APPENDIX F

ANALYTICAL DATA TABLES
FOR
SOIL AND SEDIMENT SAMPLES
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

PROJECT CO

APPENDIX F

ANALYTICAL DATA TABLES FOR SOIL AND SEDIMENT SAMPLES PHASE II SITE CHARACTERIZATION LEHR ENVIRONMENTAL RESTORATION

This appendix presents the data tables summarizing results from soil and sediment sample analyses conducted during the Phase II LEHR Site Characterization. The results are presented in tabular form and are separated into six sections organized by analysis and sample location. Tables F-1 through F-5 identify the sample numbers, the depths from which samples were collected and the samples submitted for chemical and radiologic testing. Additionally, the tables list analyses requested for those samples. The results of the analyses are presented in Tables F-6 through F-10. Table F-11 summarizes the statistical data for the soil sample analyses. Laboratory data sheets have been provided to EMO as Appendix M. Figures F-1 through F-3 shows the locations of the soil and sediment sampling locations.

Section 1 - Soil boring samples (SB-16 through SB-28);	TABLE F-6
Section 2 - Monitoring well boring samples (UCD-15 through UCD-24);	TABLE F-7
Section 3 - Dog Pen samples, LEHR (PS- samples, 50 samples total);	TABLE F-8
Section 4 - Old AEC project site samples (AEC-1 through AEC-10); and	TABLE F-9
Section 5 - Sediment samples (LS-1 and OF-1).	TABLE F-10
Section 6 - Summary of Statistical Data - Soil Samples	TABLE F-11

TABLE F-1
SUMMARY OF SOIL BORING SAMPLE DEPTHS[1]
AND ANALYTICAL REQUESTS

SB16	SB17	SB18	SB19	SB19A	SB20	SB21	SB22	SB23	SB24	SB25	SB26	SB27	SB28
0.8	0.8	0.8	0.0	NS	0.0	0.0	0.8	0.5	1.0	1.0	1.0	1.0	1.0
1.8	1.8	1.8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			NS	NS	2.5	2.5	2.5	2.0	2.5	2.5	2.5	2.5	2.0
			5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	NS
			7.5		NS	7.5	NS	NS	NS	NS	NS	NS	6.5
			10.0		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
							NS	12.0	NS	NS	NS	NS	NS
							15.0	15.0	15.0	15.0	15.0	15.0	15.0
							20.0	20.0	20.0	20.0	20.0	20.0	20.0
							25.0	25.0	25.0	25.0	25.0	25.0	25.0
							30.0	30.0	30.0	30.0	30.0	30.0	30.0

Samples submitted for chemical and radiologic testing.

Analytical Requests

17 CAM Metals
Hexavalent Chromium
Nitrates (as Nitrogen)
Formaldehyde
Organochlorine Pesticides (EPA 8080)
Volatile Organic Compounds (EPA 8240)
Semivolatile Organic Compounds (EPA 8270)
Gross-Alpha Gross-Beta
Tritium
Strontium 90
Gamma-Emitters
*Diesel
*Kerosene

[1] Depths in feet below ground surface.

* For SB-16 through SB-21 only.

TABLE F-2
SUMMARY OF MONITORING WELL
SOIL SAMPLING DEPTHS[1]
AND ANALYTICAL REQUESTS

UCD 15	UCD 16	UCD 17	UCD 18	UCD 19	UCD 20	UCD 21	UCD 22	UCD 23	UCD 24
NS	1.5	NS	NS	0.0	0.0	0.0	0.0	0.0	0.0
5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
			45.0	45.0	45.0	45.0	45.0	45.0	45.0
			50.0	50.0	50.0	50.0	50.0	50.0	50.0
			55.0	55.0	55.0	55.0	55.0	55.0	55.0
			60.0	60.0	60.0	60.0	60.0	60.0	60.0
			65.*	65.0	65.*	65.0	65.0	65.0	65.0
				70.0	70.0	70.0	70.*	70.0	70.0
				73.*				75.*	

* Sample also submitted for physical testing.

Samples submitted for chemical and radiologic testing.

Analytical Requests

17 CAM Metals
Hexavalent Chromium
Nitrates (as Nitrogen)
Formaldehyde
Organochlorine Pesticides (EPA 8080)
Volatile Organic Compounds (EPA 8240)
Semivolatile Organic Compounds (EPA 8270)
Gross-Alpha Gross-Beta
Tritium
Strontium 90
Gamma-Emitters

[1] Depths in feet below ground surface.

TABLE F-3
SUMMARY OF LEHR DOG PEN SAMPLES AND ANALYTICAL REQUESTS

Cage #/Ring	Depths (inches)	Cage #/Ring	Depth (inches)
E6 A	0.0	M17 A*	0.0
E6 C	18.0	M17 C*	18.0
E24 A	0.0	M14 A	0.0
E24 C	18.0	M14 C	18.0
E10 A	0.0	M29 A	0.0
E10 C	18.0	M29 C	18.0
F26 A	0.0	C20 B	0.0
F26 C	18.0	C20 C	18.0
F21 A	0.0	D32 A	0.0
F21 C	18.0	D32 C	18.0
G25 A	0.0	D4 A	0.0
G25 C	18.0	D4 C	18.0
G22 A	0.0	D21 A	0.0
G22 C	18.0	D21 C	18.0
J25 A*	0.0	D13 A	0.0
J25 C*	18.0	D13 C	18.0
J9 A	0.0	H5 A	0.0
J9 C	18.0	H5 C	18.0
K27 A*	0.0	I3 A	0.0
K27 C*	18.0	I3 C	18.0
K23 A*	0.0	L2 A	0.0
K23 C*	18.0	L2 C	18.0
L19 A	0.0	L1 A*	0.0
L10 C	18.0	L1 C*	18.0
		J22 A	0.0
		J22 C	18.0

Samples submitted for chemical and radiologic testing.

Analysis Request for Pen Samples

Chloride
Nitrates (as Nitrogen)
Radiologic Scan

*Includes Carbon-14

TABLE F-4
SUMMARY OF SOIL SAMPLE DEPTHS [1] AND
ANALYTICAL REQUESTS
Old AEC Project Site, Main Campus

AEC-1	AEC-2	AEC-3	AEC-4	AEC-5	AEC-6	AEC-8	AEC-9	AEC-10	AEC-11
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	24.0
12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	60.0	60.0

Samples submitted for chemical and radiologic testing.

Analytical Requests

Chlordane
Tritium
Strontium 90
Carbon 14

[1] Depths in inches below ground surface.

TABLE F-5
SUMMARY OF SEDIMENT SAMPLES AND
ANALYTICAL REQUESTS

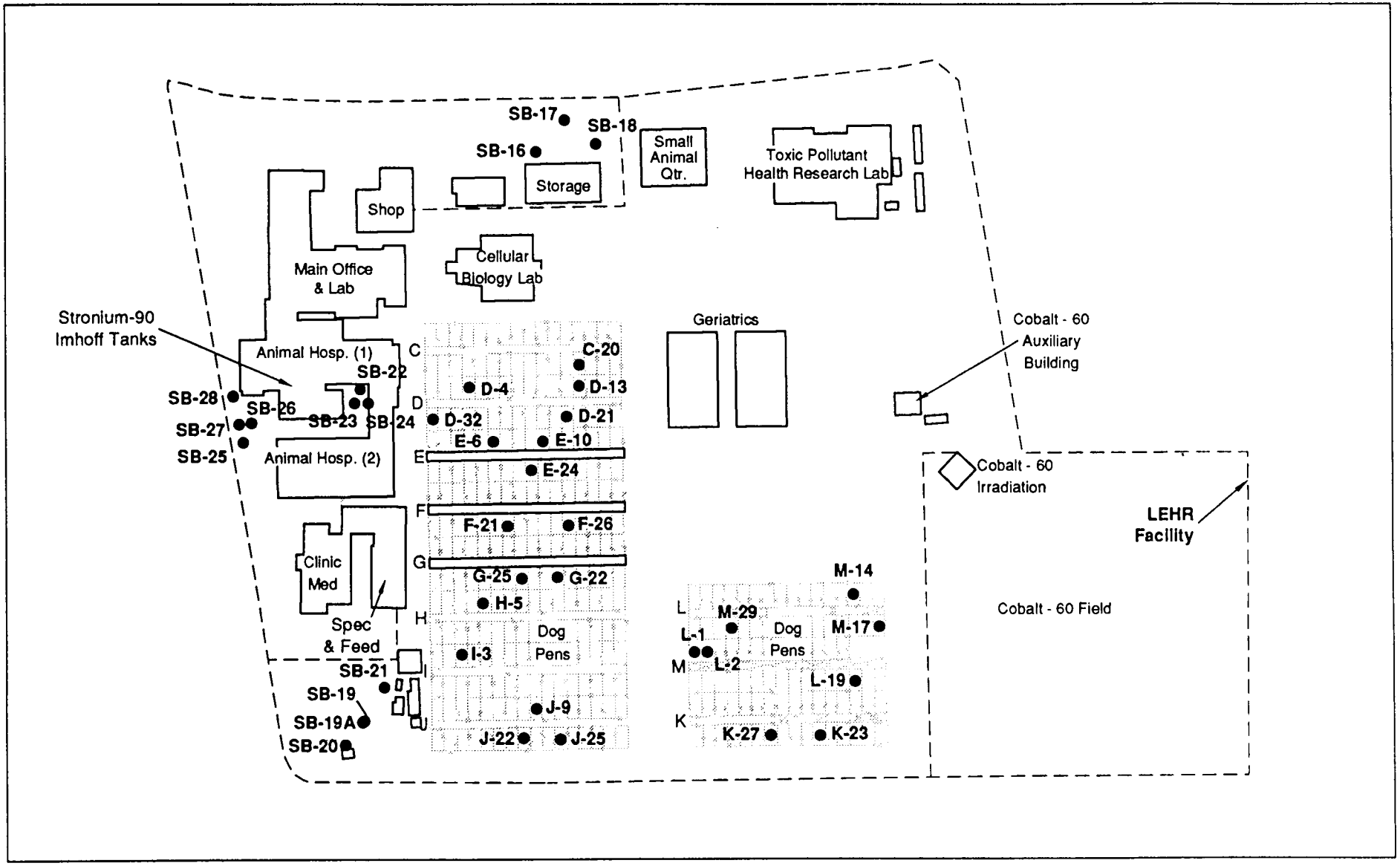
Sample ID	Date
LS 1	02/22/90
OF 1	02/22/90

LS: Lift Station
OF: Wastewater Treatment Plant Outfall

Samples submitted for chemical and radiologic testing.

Analytical Requests

17 CAM Metals
Hexavalent Chromium
Nitrates (as Nitrogen)
Formaldehyde
Organochlorine Pesticides (EPA 8080)
Volatile Organic Compounds (EPA 8240)
Semivolatile Organic Compounds (EPA 8270)
Gross-Alpha Gross-Beta
Tritium
Strontium 90
Gamma-Emitters



EXPLANATION

● Soil Boring Locations

0 150
Scale in Feet

N

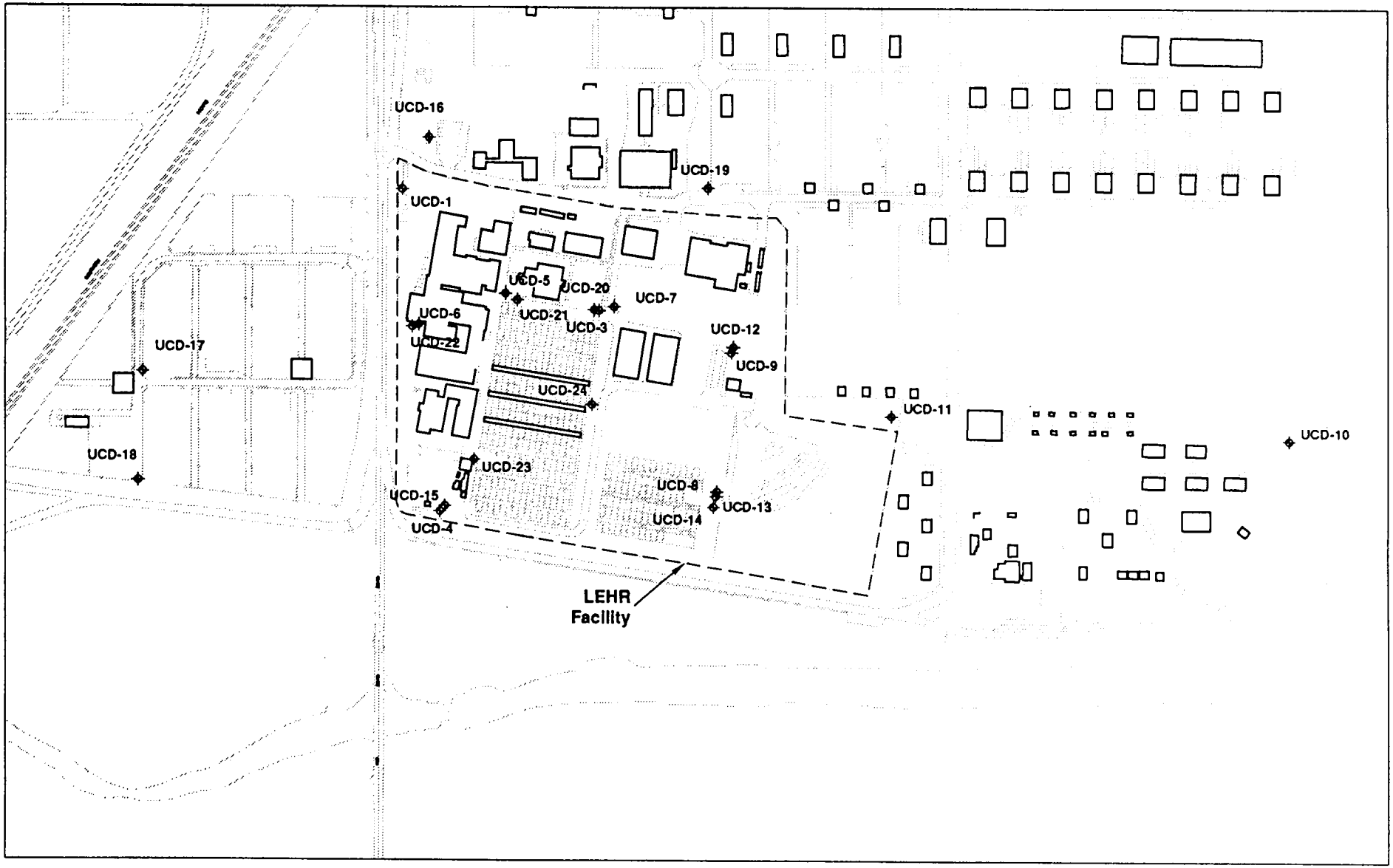
LOCATION MAP OF DEEP, INTERMEDIATE AND SHALLOW SOIL BORINGS AT LEHR

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-04-DOE-170

FIGURE F-1



EXPLANATION

Monitoring Wells

0 300
Scale in Feet

N

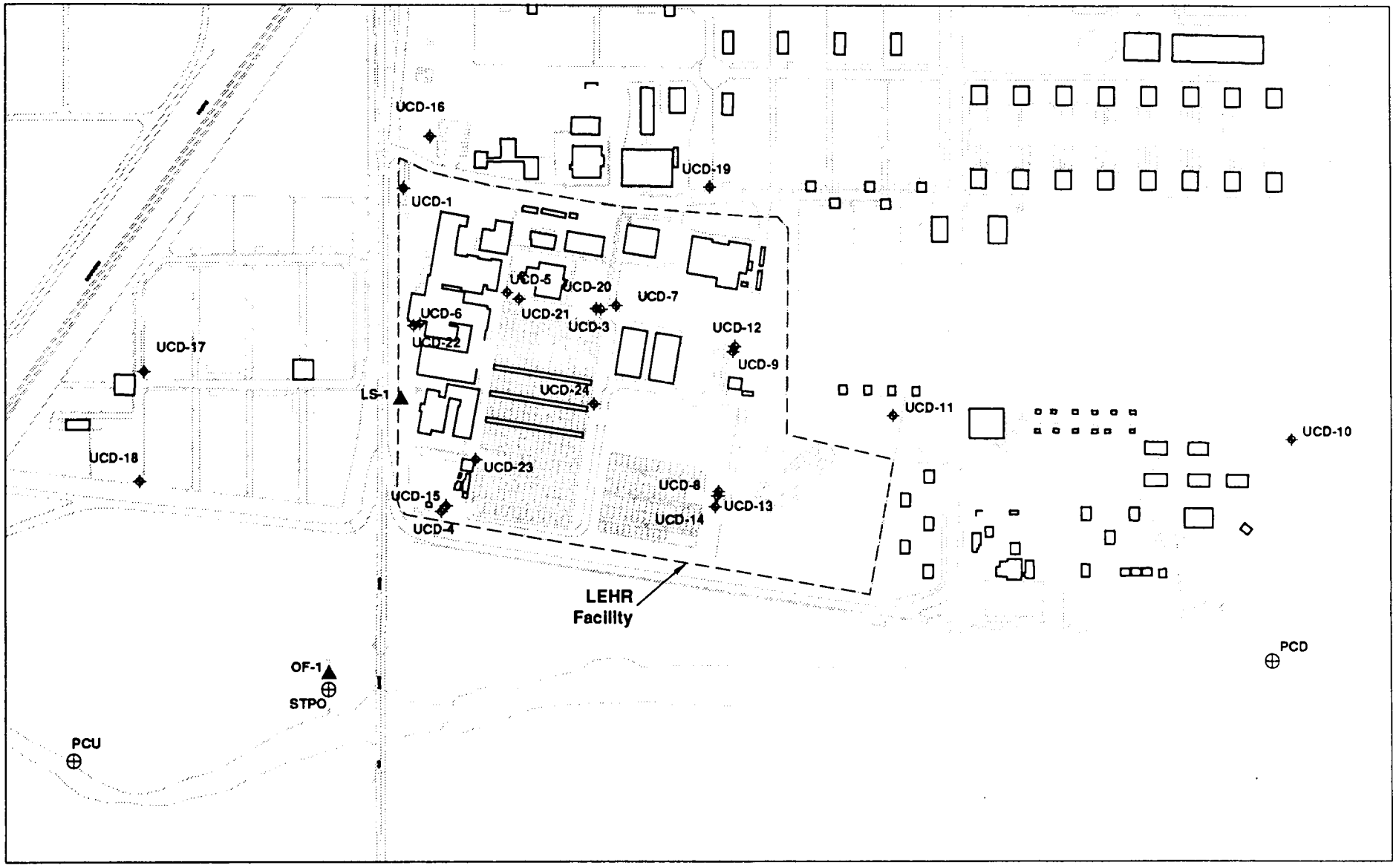
GROUNDWATER MONITORING WELL LOCATION MAP

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-164

FIGURE F-2



EXPLANATION

- Monitoring Wells
- Sediment Samples
- Surface Water Samples

0 300
Scale in Feet

N

LOCATION MAP SURFACE WATER AND SEDIMENT SAMPLES

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454 DOE-134

FIGURE F-3

APPENDIX F
SECTION 1

SOIL BORING SAMPLES

TABLE F-6a - VOLATILE ORGANIC COMPOUNDS
TABLE F-6b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE F-6c - PESTICIDES AND PCBs
TABLE F-6d - METALS
TABLE F-6e - RADIONUCLIDES
TABLE F-6f - GENERAL CHEMICAL PARAMETERS

TABLE F-6a
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8	0.0
QA							
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 8240

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8	0.0
QA							
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	9.7	17.4
STYRENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90	03/09/90
DEPTH	0.0	5.0	7.5	10.0	0.0	2.5	5.0
QA	DUPLICATE SAMPLE						
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90	03/09/90
DEPTH	0.0	5.0	7.5	10.0	0.0	2.5	5.0
QA	DUPLICATE SAMPLE						
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	< 8.4	8.8	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
STYRENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	2.5	5.0	7.5	10.0	10.0	0.8
QA						DUPLICATE SAMPLE	
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	2.5	5.0	7.5	10.0	10.0	0.8
QA						DUPLICATE SAMPLE	
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	18.7	< 8.4	< 8.4
STYRENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90	03/12/90
DEPTH	2.5	5.0	10.0	15.0	20.0	30.0	0.5
QA							
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90	03/12/90
DEPTH	2.5	5.0	10.0	15.0	20.0	30.0	0.5
QA							
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	< 8.4	11.2	22.9	14.3	16.4	< 8.4	< 8.4
STYRENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	2.0	5.0	12.0	12.0	20.0	30.0	1.0
QA				DUPLICATE SAMPLE			
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	2.0	5.0	12.0	12.0	20.0	30.0	1.0
QA				DUPLICATE SAMPLE			
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
STYRENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	2.5	5.0	10.0	20.0	30.0	30.0	5.0
QA						DUPLICATE SAMPLE	
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	2.5	5.0	10.0	20.0	30.0	30.0	5.0
QA						DUPLICATE SAMPLE	
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	11.4	12.6	< 8.4	16.8
STYRENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5	5.0
QA							
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 8240

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5	5.0
QA							
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	25.8	< 8.4	< 8.4	< 8.4	13.1	15.6	14.5
STYRENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	15.0	25.0	30.0	5.0	10.0
QA			DUPLICATE SAMPLE				
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 8240

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	15.0	25.0	30.0	5.0	10.0
QA			DUPLICATE SAMPLE				
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	16.9	23.0	< 8.4	< 8.4
STYRENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0	6.5	10.0	15.0
QA							
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0	6.5	10.0	15.0
QA							
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	10.7	< 8.4	24.9	44.2	13.7
STYRENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0
QA	DUPLICATE SAMPLE			
1,1,1-TRICHLOROETHANE	<11.4	<11.4	<11.4	<11.4
1,1,2,2-TETRACHLOROETHANE	<20.7	<20.7	<20.7	<20.7
1,1,2-TRICHLOROETHANE	<15.0	<15.0	<15.0	<15.0
1,1-DICHLOROETHANE	<14.2	<14.2	<14.2	<14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	<18.0	<18.0	<18.0	<18.0
2-BUTANONE	<30.0	<30.0	<30.0	<30.0
2-CHLOROETHYLVINYL ETHER	<30.0	<30.0	<30.0	<30.0
2-HEXANONE	<30.0	<30.0	<30.0	<30.0
4-METHYL-2-PENTANONE	<30.0	<30.0	<30.0	<30.0
ACETONE	<30.0	<30.0	<30.0	<30.0
BENZENE	<13.2	<13.2	<13.2	<13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	<14.1	<14.1	<14.1	<14.1
BROMOMETHANE	<30.0	<30.0	<30.0	<30.0
CARBON DISULFIDE	<15.0	<15.0	<15.0	<15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	<18.0	<18.0	<18.0	<18.0
CHLOROETHANE	<30.0	<30.0	<30.0	<30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 8240

SAMPLE	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0
QA	DUPLICATE SAMPLE			
CHLOROMETHANE	<30.0	<30.0	<30.0	<30.0
CIS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	<21.6	<21.6	<21.6	<21.6
METHYLENE CHLORIDE	20.7	< 8.4	< 8.4	20.8
STYRENE	<15.0	<15.0	<15.0	<15.0
TETRACHLOROETHENE	<12.3	<12.3	<12.3	<12.3
TOLUENE	<18.0	<18.0	<18.0	<18.0
TOTAL XYLENES	<15.0	<15.0	<15.0	<15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	<15.0	<15.0	<15.0	<15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	<30.0	<30.0	<30.0	<30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8	0.0
QA							
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8	0.0
QA							
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8	0.0
QA							
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8	0.0
QA							
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 170	< 170	< 170	< 170	< 170	< 170	< 170
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90	03/09/90
DEPTH	0.0	5.0	7.5	10.0	0.0	2.5	5.0
QA	DUPLICATE SAMPLE						
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90	03/09/90
DEPTH	0.0	5.0	7.5	10.0	0.0	2.5	5.0
QA	DUPLICATE SAMPLE						
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90	03/09/90
DEPTH	0.0	5.0	7.5	10.0	0.0	2.5	5.0
QA	DUPLICATE SAMPLE						
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	220	< 83	< 83	< 83	< 83	200	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90	03/09/90
DEPTH	0.0	5.0	7.5	10.0	0.0	2.5	5.0
QA	DUPLICATE SAMPLE						
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 170	< 170	< 170	< 170	< 170	< 170	< 170
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	2.5	5.0	7.5	10.0	10.0	0.8
QA						DUPLICATE SAMPLE	
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	2.5	5.0	7.5	10.0	10.0	0.8
QA						DUPLICATE SAMPLE	
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	2.5	5.0	7.5	10.0	10.0	0.8
QA						DUPLICATE SAMPLE	
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	150	100	180	110	150	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	2.5	5.0	7.5	10.0	10.0	0.8
QA						DUPLICATE SAMPLE	
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 170	< 170	< 170	< 170	< 170	< 170	< 170
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90	03/12/90
DEPTH	2.5	5.0	10.0	15.0	20.0	30.0	0.5
QA							
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90	03/12/90
DEPTH	2.5	5.0	10.0	15.0	20.0	30.0	0.5
QA							
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90	03/12/90
DEPTH	2.5	5.0	10.0	15.0	20.0	30.0	0.5
QA							
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 8270

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90	03/12/90
DEPTH	2.5	5.0	10.0	15.0	20.0	30.0	0.5
QA							
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 170	< 170	< 170	< 170	< 170	< 170	< 170
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	2.0	5.0	12.0	12.0	20.0	30.0	1.0
QA				DUPLICATE SAMPLE			
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	2.0	5.0	12.0	12.0	20.0	30.0	1.0
QA				DUPLICATE SAMPLE			
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	2.0	5.0	12.0	12.0	20.0	30.0	1.0
QA				DUPLICATE SAMPLE			
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 8270

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	2.0	5.0	12.0	12.0	20.0	30.0	1.0
QA				DUPLICATE SAMPLE			
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 170	< 170	< 170	< 170	< 170	< 170	< 170
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	2.5	5.0	10.0	20.0	30.0	30.0	5.0
QA						DUPLICATE SAMPLE	
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	2.5	5.0	10.0	20.0	30.0	30.0	5.0
QA						DUPLICATE SAMPLE	
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	2.5	5.0	10.0	20.0	30.0	30.0	5.0
QA						DUPLICATE SAMPLE	
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	2.5	5.0	10.0	20.0	30.0	30.0	5.0
QA						DUPLICATE SAMPLE	
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 170	< 170	< 170	< 170	< 170	< 170	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5	5.0
QA							
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5	5.0
QA							
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5	5.0
QA							
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5	5.0
QA							
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	15.0	25.0	30.0	5.0	10.0
QA			DUPLICATE SAMPLE				
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	15.0	25.0	30.0	5.0	10.0
QA			DUPLICATE SAMPLE				
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	15.0	25.0	30.0	5.0	10.0
QA			DUPLICATE SAMPLE				
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	15.0	25.0	30.0	5.0	10.0
QA			DUPLICATE SAMPLE				
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0	6.5	10.0	15.0
QA							
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0	6.5	10.0	15.0
QA							
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0	6.5	10.0	15.0
QA							
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0	6.5	10.0	15.0
QA							
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0
QA	DUPLICATE SAMPLE			
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0
QA	DUPLICATE SAMPLE			
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83
BENZOIC ACID	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0
QA	DUPLICATE SAMPLE			
BENZYL ALCOHOL	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 8270

SAMPLE	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0
QA	DUPLICATE SAMPLE			
HEXACHLOROETHANE	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8	0.0
QA							
4,4'-DDD	< 5.0	< 17.0	< 3.3	< 6.7	< 5.0	< 6.7	< 3.3
4,4'-DDE	< 2.5	< 8.3	< 1.7	< 3.3	< 2.5	< 3.3	< 1.7
4,4'-DDT	< 5.0	< 17.0	< 3.3	< 6.7	< 5.0	< 6.7	< 3.3
ALDRIN	< 2.5	< 8.3	< 1.7	< 3.3	< 2.5	< 3.3	< 1.7
ALPHA-BHC	< 2.5	< 8.3	< 1.7	< 3.3	< 2.5	< 3.3	< 1.7
BETA-BHC	< 2.5	< 8.3	< 1.7	< 3.3	< 2.5	< 3.3	< 1.7
CHLORDANE	< 5.0	< 17.0	44.0	70.0	< 5.0	33.0	< 1.7
DELTA-BHC	< 5.0	< 17.0	< 3.3	< 6.7	< 5.0	< 6.7	< 3.3
DIELDRIN	< 2.5	< 8.3	< 1.7	< 3.3	< 2.5	< 3.3	< 1.7
ENDOSULFAN I	< 5.0	< 17.0	< 3.3	< 6.7	< 5.0	< 6.7	< 3.3
ENDOSULFAN II	< 2.5	< 8.3	< 1.7	< 3.3	< 2.5	< 3.3	< 1.7
ENDOSULFAN SULFATE	< 25.0	< 83.0	< 17.0	< 33.0	< 25.0	< 33.0	< 17.0
ENDRIN	< 5.0	< 17.0	< 3.3	< 6.7	< 5.0	< 6.7	< 3.3
ENDRIN ALDEHYDE	< 10.0	< 33.0	< 6.7	< 13.0	< 10.0	< 13.0	< 6.7
GAMMA-BHC	< 2.5	< 8.3	< 1.7	< 3.3	< 2.5	< 3.3	< 1.7
HEPTACHLOR	< 2.5	< 8.3	< 1.7	< 3.3	< 2.5	< 3.3	< 1.7
HEPTACHLOR EPOXIDE	< 50.0	<170.0	< 33.0	< 67.0	< 50.0	< 67.0	< 33.0
METHOXYCHLOR	<100.0	<330.0	< 67.0	<130.0	<100.0	<130.0	< 67.0
PCB-1016	<250.0	<830.0	<170.0	<130.0	<250.0	<330.0	<170.0
PCB-1221	<250.0	<830.0	<170.0	<130.0	<250.0	<330.0	<170.0
PCB-1232	<250.0	<830.0	<170.0	<130.0	<250.0	<330.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8	0.0
QA							
PCB-1242	<250.0	<830.0	<170.0	<130.0	<250.0	<330.0	<170.0
PCB-1248	<250.0	<830.0	<170.0	<130.0	<250.0	<330.0	<170.0
PCB-1254	<250.0	<830.0	<170.0	<130.0	<250.0	<330.0	<170.0
PCB-1260	<250.0	<830.0	<170.0	<130.0	<250.0	<330.0	<170.0
TOXAPHENE	<100.0	<330.0	< 67.0	<130.0	<100.0	<130.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90	03/09/90
DEPTH	0.0	5.0	7.5	10.0	0.0	2.5	5.0
QA	DUPLICATE SAMPLE						
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

PESTICIDES AND PCBs

EPA METHOD 8080

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90	03/09/90
DEPTH	0.0	5.0	7.5	10.0	0.0	2.5	5.0
QA	DUPLICATE SAMPLE						
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	2.5	5.0	7.5	10.0	10.0	0.8
QA						DUPLICATE SAMPLE	
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	2.5	5.0	7.5	10.0	10.0	0.8
QA						DUPLICATE SAMPLE	
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90	03/12/90
DEPTH	2.5	5.0	10.0	15.0	20.0	30.0	0.5
QA							
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	2.0	5.0	12.0	12.0	20.0	30.0	1.0
QA				DUPLICATE SAMPLE			
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

PESTICIDES AND PCBs

EPA METHOD 8080

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	2.5	5.0	10.0	20.0	30.0	30.0	5.0
QA						DUPLICATE SAMPLE	
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	2.0	5.0	12.0	12.0	20.0	30.0	1.0
QA				DUPLICATE SAMPLE			
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90	03/12/90
DEPTH	2.5	5.0	10.0	15.0	20.0	30.0	0.5
QA							
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	2.5	5.0	10.0	20.0	30.0	30.0	5.0
QA						DUPLICATE SAMPLE	
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5	5.0
QA							
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5	5.0
QA							
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	15.0	25.0	30.0	5.0	10.0
QA			DUPLICATE SAMPLE				
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	15.0	25.0	30.0	5.0	10.0
QA			DUPLICATE SAMPLE				
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

PESTICIDES AND PCBs

EPA METHOD 8080

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0	6.5	10.0	15.0
QA							
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

\- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0	6.5	10.0	15.0
QA							
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0
QA	DUPLICATE SAMPLE			
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0
QA	DUPLICATE SAMPLE			
PCB-1242	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8	0.0
QA							
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	5.30	4.80	5.60	5.40	5.20	4.90	5.10
BARIUM (TOTAL)	59.00	78.00	60.00	48.00	108.00	113.00	130.00
BERYLLIUM (TOTAL)	< 1.00	2.20	4.50	5.10	2.50	1.40	3.10
CADMIUM (TOTAL)	< 0.10	< 0.10	< 0.10	< 0.10	0.10	0.10	0.20
CHROMIUM (TOTAL)	63.80	75.60	64.80	87.30	81.60	61.70	54.50
CHROMIUM, HEXAVALENT (+6)	2.30	0.70	1.70	0.50	1.60	0.60	0.60
COBALT (TOTAL)	117.00	22.80	21.60	18.50	44.20	23.40	30.40
COPPER (TOTAL)	21.00	23.00	< 1.00	< 1.00	23.00	1.00	< 1.00
LEAD (TOTAL)	4.80	5.20	5.10	4.20	5.00	4.60	4.90
MERCURY (TOTAL)	0.41	0.52	0.67	0.06	0.26	0.44	0.45
MOLYBDENUM (TOTAL)	2.00	< 1.00	< 1.00	1.00	< 1.00	< 1.00	< 1.00
NICKEL (TOTAL)	255.00	297.00	247.00	292.00	276.00	219.00	264.00
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 0.10	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	52.00	44.00	38.00	36.00	36.00	38.00	36.00
ZINC (TOTAL)	56.00	58.00	62.00	59.00	57.00	56.00	63.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6d (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90	03/09/90
DEPTH	0.0	5.0	7.5	10.0	0.0	2.5	5.0
QA	DUPLICATE SAMPLE						
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	3.10	4.40	4.00	2.70	4.30	4.10	3.60
BARIUM (TOTAL)	95.00	181.00	126.00	111.00	104.00	71.00	133.00
BERYLLIUM (TOTAL)	3.10	< 1.00	< 1.00	< 1.00	4.80	< 1.00	< 1.00
CADMIUM (TOTAL)	0.10	0.10	< 0.10	0.20	0.20	< 0.10	0.10
CHROMIUM (TOTAL)	49.60	71.50	71.50	81.00	73.90	83.90	53.90
CHROMIUM, HEXAVALENT (+6)	1.20	< 0.10	0.20	0.30	0.70	0.70	0.10
COBALT (TOTAL)	26.70	25.60	19.00	21.20	18.60	24.80	9.90
COPPER (TOTAL)	7.00	8.00	6.00	9.00	7.00	6.00	5.00
LEAD (TOTAL)	4.80	7.20	4.00	4.30	7.10	6.10	6.20
MERCURY (TOTAL)	0.29	0.07	0.35	0.04	0.45	0.22	0.06
MOLYBDENUM (TOTAL)	3.00	< 1.00	< 1.00	2.00	< 1.00	< 1.00	< 1.00
NICKEL (TOTAL)	279.90	220.00	267.00	200.70	261.00	248.00	175.00
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 0.10	< 1.00	1 1.00	< 0.10	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	27.00	53.00	18.00	24.00	18.00	19.00	27.00
ZINC (TOTAL)	50.00	74.00	52.00	67.00	60.00	52.00	73.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	2.5	5.0	7.5	10.0	10.0	0.8
QA						DUPLICATE SAMPLE	
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	4.20	4.30	3.80	3.10	4.20	3.80	3.70
BARIUM (TOTAL)	93.00	93.00	108.00	161.00	130.00	138.00	127.00
BERYLLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
CADMIUM (TOTAL)	< 0.10	0.10	< 0.10	0.20	0.10	0.10	< 0.10
CHROMIUM (TOTAL)	60.90	114.00	81.80	59.20	54.80	56.60	77.90
CHROMIUM, HEXAVALENT (+6)	0.10	0.60	< 0.10	< 0.10	0.20	0.10	0.20
COBALT (TOTAL)	25.00	21.60	18.70	29.70	32.70	35.00	30.00
COPPER (TOTAL)	7.00	8.00	55.00	5.00	7.00	7.00	6.00
LEAD (TOTAL)	7.00	6.30	6.00	1.40	6.10	5.30	4.00
MERCURY (TOTAL)	0.11	0.27	0.42	0.14	0.21	0.04	0.24
MOLYBDENUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
NICKEL (TOTAL)	231.00	370.00	244.00	198.00	198.00	200.00	237.00
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	22.00	22.00	25.00	16.00	19.00	19.00	19.00
ZINC (TOTAL)	72.00	56.00	56.00	64.00	65.00	70.00	58.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

\- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6d (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-23
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90	03/12/90
DEPTH	2.5	5.0	10.0	15.0	20.0	30.0	0.5
QA							
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	3.80	3.40	4.30	3.70	2.90	3.70	3.80
BARIUM (TOTAL)	116.00	59.00	152.00	147.00	94.00	< 50.00	95.00
BERYLLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	0.40	0.40
CADMIUM (TOTAL)	< 0.10	0.90	0.20	< 0.10	< 0.10	< 0.10	< 0.10
CHROMIUM (TOTAL)	63.50	78.00	53.00	57.10	29.70	20.70	79.20
CHROMIUM, HEXAVALENT (+6)	0.30	0.20	< 0.10	< 0.10	0.20	1.60	0.70
COBALT (TOTAL)	29.40	30.30	33.30	34.70	23.70	29.10	38.40
COPPER (TOTAL)	5.00	6.10	5.00	7.00	4.00	6.00	7.00
LEAD (TOTAL)	7.00	6.70	7.10	4.90	6.30	2.50	6.20
MERCURY (TOTAL)	0.27	< 0.06	0.06	0.09	< 0.04	< 0.04	0.34
MOLYBDENUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 0.10	< 1.00
NICKEL (TOTAL)	207.00	139.00	179.00	179.00	52.00	118.00	88.30
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	19.00	22.00	18.00	18.00	11.80	15.00	22.00
ZINC (TOTAL)	9.00	120.00	69.00	67.00	48.00	51.00	66.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6d (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	2.0	5.0	12.0	12.0	20.0	30.0	1.0
QA				DUPLICATE SAMPLE			
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	4.30	2.40	3.70	3.90	3.20	2.60	4.00
BARIUM (TOTAL)	84.00	88.00	112.00	117.00	1.50	< 50.00	< 50.00
BERYLLIUM (TOTAL)	0.20	0.10	0.10	0.30	0.20	0.10	0.20
CADMIUM (TOTAL)	< 0.10	0.90	0.10	< 0.10	< 0.10	< 0.10	< 0.10
CHROMIUM (TOTAL)	60.80	120.00	58.30	49.50	33.80	52.10	61.80
CHROMIUM, HEXAVALENT (+6)	3.60	1.10	0.30	0.50	< 0.10	2.20	7.00
COBALT (TOTAL)	28.20	27.80	34.20	35.50	23.20	25.60	27.60
COPPER (TOTAL)	7.00	7.00	6.00	7.00	7.00	< 1.00	6.00
LEAD (TOTAL)	6.60	4.80	6.60	7.30	8.00	4.40	6.00
MERCURY (TOTAL)	0.55	0.15	0.05	0.06	< 0.04	< 0.04	0.35
MOLYBDENUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
NICKEL (TOTAL)	260.00	250.00	193.00	205.00	77.70	122.00	232.00
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	15.00	15.00	16.00	16.00	15.00	11.80	16.00
ZINC (TOTAL)	57.00	65.00	62.00	74.00	62.00	45.00	56.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE f-6d (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	2.5	5.0	10.0	20.0	30.0	30.0	5.0
QA						DUPLICATE SAMPLE	
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	3.80	4.10	3.60	2.60	5.10	3.60	2.90
BARIUM (TOTAL)	129.00	101.00	120.00	152.00	92.00	111.00	170.00
BERYLLIUM (TOTAL)	0.40	< 0.10	0.40	0.10	0.10	0.50	< 0.10
CADMIUM (TOTAL)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CHROMIUM (TOTAL)	81.80	74.60	153.20	53.20	49.70	52.50	70.80
CHROMIUM, HEXAVALENT (+6)	3.00	2.70	< 0.10	< 0.10	2.50	5.00	1.20
COBALT (TOTAL)	31.30	27.80	27.30	18.40	31.90	15.60	30.30
COPPER (TOTAL)	5.00	6.00	8.00	7.00	8.00	< 1.00	4.00
LEAD (TOTAL)	5.30	6.30	6.00	5.10	6.60	6.30	7.20
MERCURY (TOTAL)	0.23	0.05	0.05	< 0.04	< 0.04	0.06	0.32
MOLYBDENUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
NICKEL (TOTAL)	271.00	260.00	217.00	84.90	170.00	143.00	209.00
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	13.00	15.00	13.00	13.60	15.00	11.40	29.00
ZINC (TOTAL)	56.00	55.00	66.00	60.00	59.00	57.00	165.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5	5.0
QA							
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	2.90	2.90	3.20	3.70	1.90	2.30	3.30
BARIUM (TOTAL)	113.00	154.00	108.00	132.00	25.00	136.00	152.00
BERYLLIUM (TOTAL)	0.30	0.10	0.40	< 0.10	0.60	0.70	0.40
CADMIUM (TOTAL)	0.40	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CHROMIUM (TOTAL)	55.00	49.90	36.80	59.90	45.00	43.20	63.00
CHROMIUM, HEXAVALENT (+6)	0.90	< 0.10	4.00	1.20	3.00	1.70	0.30
COBALT (TOTAL)	31.00	34.10	29.20	37.00	27.60	28.40	33.50
COPPER (TOTAL)	7.00	7.00	7.00	7.00	7.00	10.00	8.00
LEAD (TOTAL)	4.40	5.00	5.30	4.60	3.40	5.10	4.60
MERCURY (TOTAL)	0.19	< 0.04	< 0.04	< 0.04	< 0.04	0.15	0.06
MOLYBDENUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
NICKEL (TOTAL)	192.00	149.00	86.20	183.00	243.00	280.00	233.00
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	18.00	20.00	22.00	25.00	25.00	39.00	28.00
ZINC (TOTAL)	52.00	63.00	60.00	69.00	53.00	64.00	63.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

\- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6d (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	15.0	25.0	30.0	5.0	10.0
QA			DUPLICATE SAMPLE				
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	3.10	3.20	3.20	3.50	3.20	4.30	3.40
BARIUM (TOTAL)	143.00	113.00	104.00	144.00	147.00	128.00	96.00
BERYLLIUM (TOTAL)	2.40	0.50	0.50	0.50	0.40	0.50	0.50
CADMIUM (TOTAL)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CHROMIUM (TOTAL)	55.80	39.50	43.30	41.20	42.70	39.10	50.20
CHROMIUM, HEXAVALENT (+6)	0.20	0.20	0.40	5.00	3.00	1.20	0.30
COBALT (TOTAL)	32.70	27.40	33.10	26.60	26.60	36.40	24.90
COPPER (TOTAL)	10.00	50.00	9.00	11.00	8.00	9.00	9.00
LEAD (TOTAL)	5.70	4.50	5.00	4.40	4.30	5.00	4.60
MERCURY (TOTAL)	< 0.04	< 0.04	0.13	< 0.04	< 0.04	0.06	< 0.04
MOLYBDENUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
NICKEL (TOTAL)	231.00	164.00	169.00	177.00	174.00	228.00	209.00
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	33.00	27.00	36.00	38.00	36.00	39.00	36.00
ZINC (TOTAL)	66.00	64.00	68.00	76.00	59.00	71.00	66.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6d (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0	6.5	10.0	15.0
QA							
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	3.20	3.10	2.50	3.10	2.30	3.40	4.20
BARIUM (TOTAL)	100.00	62.00	88.00	86.00	27.00	106.00	35.00
BERYLLIUM (TOTAL)	0.50	0.50	0.60	0.40	0.60	0.60	0.60
CADMIUM (TOTAL)	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CHROMIUM (TOTAL)	9.80	9.30	120.00	37.90	30.50	36.00	39.50
CHROMIUM, HEXAVALENT (+6)	0.40	3.40	1.40	3.00	0.10	< 0.10	< 0.10
COBALT (TOTAL)	21.40	19.20	23.90	24.50	38.40	36.20	26.30
COPPER (TOTAL)	6.00	6.00	6.00	5.00	7.00	4.00	3.00
LEAD (TOTAL)	4.30	4.00	4.50	2.90	4.50	4.50	4.70
MERCURY (TOTAL)	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
MOLYBDENUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
NICKEL (TOTAL)	131.00	82.50	89.20	165.00	61.40	207.00	153.00
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	25.00	22.00	20.00	33.00	26.00	41.00	30.00
ZINC (TOTAL)	59.00	56.00	51.00	54.00	65.00	70.00	64.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-6d (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

METALS

SAMPLE	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	20.0	25.0	30.0
QA	DUPLICATE SAMPLE			
ANTIMONY (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00
ARSENIC (TOTAL)	3.30	3.20	3.60	3.70
BARIUM (TOTAL)	147.00	96.00	63.00	67.00
BERYLLIUM (TOTAL)	0.50	0.70	0.20	1.20
CADMIUM (TOTAL)	0.10	< 0.10	< 0.10	< 0.10
CHROMIUM (TOTAL)	20.80	22.40	43.10	57.10
CHROMIUM, HEXAVALENT (+6)	< 0.10	< 0.10	2.00	2.60
COBALT (TOTAL)	30.70	17.80	29.80	22.60
COPPER (TOTAL)	11.00	5.00	31.00	10.00
LEAD (TOTAL)	4.80	3.80	4.50	2.40
MERCURY (TOTAL)	< 0.04	< 0.04	< 0.04	< 0.04
MOLYBDENUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00
NICKEL (TOTAL)	173.00	174.00	171.00	163.00
SELENIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00
SILVER (TOTAL)	< 50.00	< 50.00	< 50.00	< 50.00
THALLIUM (TOTAL)	< 1.00	< 1.00	< 1.00	< 1.00
VANADIUM (TOTAL)	25.00	13.00	34.00	23.00
ZINC (TOTAL)	62.00	50.00	70.00	41.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-6e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-16	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	10.0	10.0	22.0	9.0	21.0	10.0	22.0
QA		DUPLICATE SAMPLE					
BISMUTH-214	-	-	0.63	2.21	0.39	-	-
BISMUTH-214/ERROR	-	-	+/0.32	+/2.11	+/0.38	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	1.40	1.40	< 0.80	< 0.80	1.10	1.00	< 0.90
GROSS ALPHA/ERROR	+/1.50	+/1.50	-	-	+/1.00	+/0.90	-
GROSS BETA	5.60	5.60	2.80	3.90	6.80	4.80	5.80
GROSS BETA/ERROR	+/2.20	+/2.20	+/1.20	+/1.20	+/1.50	+/1.30	+/1.20
LEAD-210	-	-	-	-	-	-	-
LEAD-210/ERROR	-	-	-	-	-	-	-
LEAD-212	-	-	0.53	-	-	0.40	-
LEAD-212/ERROR	-	-	+/0.21	-	-	+/0.25	-
LEAD-214	-	-	1.04	-	0.47	-	-
LEAD-214/ERROR	-	-	+/0.58	-	+/0.46	-	-
POTASSIUM-40	7.27	7.27	11.77	13.68	13.66	13.30	5.99
POTASSIUM-40/ERROR	+/2.00	+/2.00	+/2.82	+/5.94	+/3.98	+/4.41	+/5.11
RADIUM-223	-	-	-	-	-	-	-
RADIUM-226	< 0.10	< 0.10	0.70	1.31	< 0.20	1.07	< 0.20
RADIUM-226/ERROR	-	-	+/0.40	+/0.63	-	+/0.46	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-16	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	10.0	10.0	22.0	9.0	21.0	10.0	22.0
QA		DUPLICATE SAMPLE					
STRONTIUM-90	< 0.05	< 0.05	< 0.05	0.10	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	-	-	+/0.09	-	-	-
THORIUM-232	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	0.71	< 0.70
THORIUM-232/ERROR	-	-	-	-	-	+/0.53	-
TRITIUM	0.55	0.55	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	+/0.32	+/0.32	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-6e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90
DEPTH	0.0	0.0	5.0	7.5	10.0	0.0	2.5
QA		DUPLICATE SAMPLE					
BISMUTH-214	-	-	-	-	1.38	-	-
BISMUTH-214/ERROR	-	-	-	-	+/1.33	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	< 0.80	4.00	1.70	< 0.90	2.80	2.90	< 0.70
GROSS ALPHA/ERROR	-	+/1.30	+/0.80	-	+/1.20	+/1.00	-
GROSS BETA	5.70	8.20	6.20	4.80	7.10	6.70	3.30
GROSS BETA/ERROR	+/1.40	+/1.50	+/1.20	+/1.30	+/1.40	+/1.30	+/1.10
LEAD-210	-	-	-	-	-	-	-
LEAD-210/ERROR	-	-	-	-	-	-	-
LEAD-212	-	-	0.60	-	0.66	-	-
LEAD-212/ERROR	-	-	+/0.25	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	+/0.55	-	-
POTASSIUM-40	12.54	14.95	9.01	6.04	8.82	5.65	6.69
POTASSIUM-40/ERROR	+/5.00	+/4.89	+/4.46	+/1.50	+/3.54	+/4.22	+/3.72
RADIUM-223	-	-	-	-	-	-	-
RADIUM-226	< 0.10	< 0.10	< 0.10	< 0.10	0.90	< 0.10	< 0.10
RADIUM-226/ERROR	-	-	-	-	+/0.40	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-19	SB-20	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90	03/09/90
DEPTH	0.0	0.0	5.0	7.5	10.0	0.0	2.5
QA		DUPLICATE SAMPLE					
STRONTIUM-90	< 0.05	< 0.05	0.70	< 0.05	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	-	+/0.40	-	-	-	-
THORIUM-232	0.60	< 0.70	0.70	< 0.70	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	+/0.50	-	+/0.40	-	-	-	-
TRITIUM	0.30	< 0.20	< 0.20	0.30	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	+/0.20	-	-	+/0.20	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-20	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	5.0	10.0	2.5	5.0	7.5	10.0	10.0
QA							DUPLICATE SAMPLE
BISMUTH-214	0.42	-	-	-	-	-	-
BISMUTH-214/ERROR	+/0.32	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	< 0.90	< 0.70	< 0.70	1.40	< 0.60	< 0.80	< 0.70
GROSS ALPHA/ERROR	-	-	-	+/0.80	-	-	-
GROSS BETA	3.20	3.80	4.00	5.40	1.90	2.90	2.40
GROSS BETA/ERROR	+/1.20	+/1.10	+/1.20	+/1.10	+/0.90	+/1.10	+/1.10
LEAD-210	-	-	-	-	-	-	-
LEAD-210/ERROR	-	-	-	-	-	-	-
LEAD-212	0.69	-	-	0.66	0.69	-	0.36
LEAD-212/ERROR	+/0.23	-	-	+/0.44	+/0.51	-	+/0.21
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	9.93	7.32	11.30	9.99	8.95	< 4.35	11.28
POTASSIUM-40/ERROR	+/2.98	+/4.36	+/2.62	+/7.51	+/3.00	-	+/3.49
RADIUM-223	-	-	-	-	-	-	-
RADIUM-226	0.46	< 0.10	0.26	< 0.10	< 0.10	< 0.46	0.70
RADIUM-226/ERROR	+/0.35	-	+/0.24	-	-	-	+/0.38

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-20	SB-20	SB-21	SB-21	SB-21	SB-21	SB-21
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	5.0	10.0	2.5	5.0	7.5	10.0	10.0
QA							DUPLICATE SAMPLE
STRONTIUM-90	< 0.05	0.18	< 0.05	0.30	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	+/0.07	-	+/0.08	-	-	-
THORIUM-232	< 0.70	< 0.70	< 0.70	< 0.70	1.44	< 0.70	< 0.70
THORIUM-232/ERROR	-	-	-	-	+/1.08	-	-
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.50
TRITIUM/ERROR	-	-	-	-	-	-	+/0.30

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90
DEPTH	0.8	2.5	5.0	10.0	15.0	20.0	30.0
QA							
BISMUTH-214	-	-	-	-	-	-	0.30
BISMUTH-214/ERROR	-	-	-	-	-	-	+/0.22
CESIUM-137	< 0.10	< 0.10	0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	+/0.09	-	-	-	-
GROSS ALPHA	1.10	0.90	2.20	2.10	1.50	2.30	1.70
GROSS ALPHA/ERROR	+/0.50	+/0.50	+/0.80	+/0.90	+/0.60	+/0.70	+/0.70
GROSS BETA	4.30	4.80	7.60	6.10	3.50	4.40	5.70
GROSS BETA/ERROR	+/1.10	+/1.00	+/1.20	+/1.10	+/1.00	+/1.00	+/0.90
LEAD-210	-	-	-	-	-	-	-
LEAD-210/ERROR	-	-	-	-	-	-	-
LEAD-212	0.46	-	-	-	0.44	0.40	-
LEAD-212/ERROR	+/0.46	-	-	-	+/0.22	+/0.23	-
LEAD-214	0.46	-	-	-	-	-	-
LEAD-214/ERROR	+/0.46	-	-	-	-	-	-
POTASSIUM-40	8.66	4.83	4.16	5.93	9.51	12.31	8.05
POTASSIUM-40/ERROR	+/2.54	+/2.00	+/2.00	+/4.32	+/2.81	+/3.57	+/2.38
RADIUM-223	-	-	-	-	-	-	-
RADIUM-226	< 0.10	0.75	< 0.10	< 0.10	< 0.10	0.57	0.33
RADIUM-226/ERROR	-	+/0.50	-	-	-	+/0.38	+/0.24

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/12/90
DEPTH	0.8	2.5	5.0	10.0	15.0	20.0	30.0
QA							
STRONTIUM-90	< 0.05	< 0.05	< 0.70	< 0.05	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	-	-	-	-	-	-	-
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	0.5	2.0	5.0	12.0	12.0	20.0	30.0
QA					DUPLICATE SAMPLE		
BISMUTH-214	-	-	-	-	-	-	-
BISMUTH-214/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	< 0.60	< 0.40	0.70	0.90	1.90	0.60	0.90
GROSS ALPHA/ERROR	-	-	+/0.60	+/0.60	+/0.80	+/0.50	+/0.70
GROSS BETA	5.70	3.90	4.20	5.00	5.80	5.40	6.80
GROSS BETA/ERROR	+/1.00	+/0.70	+/0.90	+/0.90	+/0.90	+/0.90	+/1.10
LEAD-210	-	-	-	-	-	-	-
LEAD-210/ERROR	-	-	-	-	-	-	-
LEAD-212	-	-	0.31	0.40	0.41	0.41	0.44
LEAD-212/ERROR	-	-	+/0.29	+/0.23	+/0.21	+/0.27	+/0.21
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	6.88	8.88	5.89	7.97	8.81	8.33	7.15
POTASSIUM-40/ERROR	+/3.64	+/2.56	+/5.23	+/4.29	+/3.45	+/4.35	+/3.66
RADIUM-223	-	-	-	-	-	-	-
RADIUM-226	< 0.10	0.24	< 0.10	< 0.10	0.71	< 0.10	< 0.10
RADIUM-226/ERROR	-	+/0.23	-	-	+/0.36	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

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- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23	SB-23
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	0.5	2.0	5.0	12.0	12.0	20.0	30.0
QA					DUPLICATE SAMPLE		
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.70	0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	-	+/0.30	-	-	-	-	-
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	1.0	2.5	5.0	10.0	20.0	30.0	30.0
QA							DUPLICATE SAMPLE
BISMUTH-214	-	-	-	-	0.39	-	-
BISMUTH-214/ERROR	-	-	-	-	+/0.36	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	1.60	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
GROSS ALPHA/ERROR	+/0.70	-	-	-	-	-	-
GROSS BETA	5.00	0.40	0.90	0.50	0.60	0.40	0.40
GROSS BETA/ERROR	+/0.90	+/0.10	+/0.10	+/0.10	+/0.10	+/0.10	+/0.10
LEAD-210	-	-	-	-	-	-	-
LEAD-210/ERROR	-	-	-	-	-	-	-
LEAD-212	0.36	0.38	-	0.64	0.37	0.41	-
LEAD-212/ERROR	+/0.30	+/0.24	-	+/0.24	+/0.23	+/0.38	-
LEAD-214	-	-	-	-	-	0.41	-
LEAD-214/ERROR	-	-	-	-	-	+/0.38	-
POTASSIUM-40	9.48	6.85	8.14	10.79	10.27	8.49	8.13
POTASSIUM-40/ERROR	+/4.87	+/4.20	+/3.98	+/2.93	+/3.65	+/3.18	+/2.23
RADIUM-223	-	-	-	-	-	-	-
RADIUM-226	< 0.10	< 0.10	< 0.10	< 0.10	0.43	< 0.10	0.44
RADIUM-226/ERROR	-	-	-	-	+/0.39	-	+/0.21

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
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- = Parameter not analyzed.
ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-6e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	1.0	2.5	5.0	10.0	20.0	30.0	30.0
QA							DUPLICATE SAMPLE
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.70	< 0.70	< 0.70	1.00	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	-	-	-	+/0.50	-	-	-
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-6e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	5.0	10.0	15.0	20.0	25.0	30.0	2.5
QA							
BISMUTH-214	0.66	-	1.97	0.51	-	-	-
BISMUTH-214/ERROR	+/0.45	-	+/1.65	+/0.29	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	0.20	0.20	0.40	0.30	0.70	0.90	0.60
GROSS ALPHA/ERROR	+/0.80	+/0.80	+/0.90	+/0.80	+/0.80	+/0.90	+/0.90
GROSS BETA	6.00	3.20	6.40	3.60	3.50	5.00	6.10
GROSS BETA/ERROR	+/1.30	+/1.20	+/1.30	+/1.20	+/1.20	+/1.30	+/1.30
LEAD-210	-	-	-	0.81	-	-	-
LEAD-210/ERROR	-	-	-	+/0.60	-	-	-
LEAD-212	0.37	0.93	-	0.81	-	-	0.41
LEAD-212/ERROR	+/0.29	+/0.19	-	+/0.21	-	-	+/0.25
LEAD-214	-	0.74	0.88	-	-	0.66	-
LEAD-214/ERROR	-	+/0.50	+/0.69	-	-	+/0.62	-
POTASSIUM-40	5.52	9.47	8.60	13.01	12.26	10.46	9.00
POTASSIUM-40/ERROR	+/4.90	+/2.63	+/4.35	+/2.81	+/2.90	+/3.42	+/4.38
RADIUM-223	-	-	-	-	-	-	-
RADIUM-226	0.72	< 0.10	1.23	0.56	< 0.10	0.80	< 0.10
RADIUM-226/ERROR	+/0.50	-	+/0.47	+/0.32	-	+/0.37	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	5.0	10.0	15.0	20.0	25.0	30.0	2.5
QA							
STRONTIUM-90	0.25	0.32	0.16	< 0.05	< 0.05	0.36	< 0.05
STRONTIUM-90/ERROR	+/0.08	+/0.09	+/0.07	-	-	+/0.08	-
THORIUM-232	< 0.70	0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	-	+/0.20	-	-	-	-	-
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	5.0	10.0	15.0	15.0	25.0	30.0	5.0
QA				DUPLICATE SAMPLE			
BISMUTH-214	-	-	-	-	-	-	-
BISMUTH-214/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	0.10	< 0.80	< 0.50	1.50	1.90	1.70	0.90
GROSS ALPHA/ERROR	+/0.80	-	-	+/0.90	+/1.00	+/0.90	+/0.80
GROSS BETA	6.00	4.20	1.40	5.00	5.40	5.00	5.00
GROSS BETA/ERROR	+/1.30	+/1.20	+/1.10	+/1.30	+/1.30	+/1.30	+/1.30
LEAD-210	-	-	-	-	-	-	-
LEAD-210/ERROR	-	-	-	-	-	-	-
LEAD-212	-	0.53	0.38	-	-	-	-
LEAD-212/ERROR	-	+/0.21	+/0.31	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	11.16	13.73	10.12	15.95	8.29	10.31	10.01
POTASSIUM-40/ERROR	+/3.89	+/3.86	+/5.09	+/5.34	+/4.72	+/3.44	+/2.51
RADIUM-223	-	-	-	-	-	-	-
RADIUM-226	< 0.10	< 0.10	< 0.10	< 0.10	< 0.70	0.84	0.50
RADIUM-226/ERROR	-	-	-	-	-	+/0.36	+/0.25

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-26	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	5.0	10.0	15.0	15.0	25.0	30.0	5.0
QA				DUPLICATE SAMPLE			
STRONTIUM-90	< 0.05	0.16	0.15	< 0.05	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	+/0.08	+/0.07	-	-	-	-
THORIUM-232	0.70	0.70	< 0.70	0.70	< 0.70	< 0.70	0.70
THORIUM-232/ERROR	+/0.40	+/0.30	-	+/0.50	-	-	+/0.30
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90
DEPTH	10.0	15.0	20.0	25.0	30.0	6.5	10.0
QA							
BISMUTH-214	-	-	-	-	-	-	-
BISMUTH-214/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	2.10	1.10	1.40	1.50	1.30	1.20	0.90
GROSS ALPHA/ERROR	+/1.00	+/0.80	+/0.90	+/1.00	+/0.90	+/0.80	+/0.80
GROSS BETA	5.00	6.30	5.30	6.00	5.30	6.40	5.40
GROSS BETA/ERROR	+/1.30	+/1.40	+/1.30	+/1.40	+/1.30	+/1.00	+/1.00
LEAD-210	-	-	-	-	-	-	-
LEAD-210/ERROR	-	-	-	-	-	-	-
LEAD-212	-	-	0.59	-	-	-	0.40
LEAD-212/ERROR	-	-	+/0.34	-	-	-	+/0.31
LEAD-214	-	-	-	-	-	-	1.10
LEAD-214/ERROR	-	-	-	-	-	-	+/0.86
POTASSIUM-40	14.31	10.58	14.46	11.87	9.50	9.62	17.24
POTASSIUM-40/ERROR	+/3.74	+/3.79	+/6.55	+/4.20	+/5.04	+/2.52	+/5.08
RADIUM-223	-	-	< 0.10	-	-	-	-
RADIUM-226	< 0.10	1.17	-	0.68	< 0.10	0.48	0.91
RADIUM-226/ERROR	-	+/0.41	-	+/0.46	-	+/0.25	+/0.53

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-27	SB-28	SB-28
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/14/90	03/14/90
DEPTH	10.0	15.0	20.0	25.0	30.0	6.5	10.0
QA							
STRONTIUM-90	0.16	0.14	0.06	< 0.05	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	+/0.08	+/0.07	+/0.05	-	-	-	-
THORIUM-232	< 0.70	< 0.70	0.80	1.00	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	-	-	+/0.70	+/0.40	-	-	-
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-28	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	15.0	20.0	25.0	30.0
QA		DUPLICATE SAMPLE			
BISMUTH-214	3.03	1.23	-	-	-
BISMUTH-214/ERROR	+/1.74	+/0.42	-	-	-
CESIUM-137	0.24	0.26	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	+/0.10	+/0.11	-	-	-
GROSS ALPHA	1.70	1.20	0.90	1.30	0.90
GROSS ALPHA/ERROR	+/0.80	+/0.80	+/0.80	+/0.90	+/0.80
GROSS BETA	6.50	5.70	5.60	5.70	6.60
GROSS BETA/ERROR	+/1.10	+/1.00	+/1.10	+/1.10	+/1.00
LEAD-210	-	-	-	-	-
LEAD-210/ERROR	-	-	-	-	-
LEAD-212	0.42	-	-	0.51	-
LEAD-212/ERROR	+/0.23	-	-	+/0.25	-
LEAD-214	1.04	1.14	-	-	-
LEAD-214/ERROR	+/0.61	+/0.50	-	-	-
POTASSIUM-40	10.11	8.55	8.36	4.38	5.89
POTASSIUM-40/ERROR	+/4.50	+/4.16	+/4.00	+/2.00	+/3.54
RADIUM-223	-	-	-	-	-
RADIUM-226	0.96	1.35	< 0.10	< 0.10	< 0.10
RADIUM-226/ERROR	+/0.47	+/0.46	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES SOIL BORING SAMPLES

RADIONUCLIDES

SAMPLE	SB-28	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	15.0	15.0	20.0	25.0	30.0
QA		DUPLICATE SAMPLE			
STRONTIUM-90	0.61	< 0.05	< 0.05	0.07	< 0.05
STRONTIUM-90/ERROR	+/0.10	-	-	+/0.07	-
THORIUM-232	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	-	-	-	-	-
TRITIUM	< 0.20	< 0.20	0.40	< 0.20	< 0.20
TRITIUM/ERROR	-	-	+/0.30	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-6f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90
DEPTH	0.8	1.8	0.8	1.8	0.8	1.8
QA						
DIESEL	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00
NITROGEN, NITRATE (AS N)	49.00	41.00	40.00	42.00	32.00	30.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-19	SB-19	SB-19	SB-19	SB-19	SB-20
DATE	03/08/90	03/08/90	03/08/90	03/08/90	03/08/90	03/09/90
DEPTH	0.0	0.0	5.0	7.5	10.0	0.0
QA		DUPLICATE SAMPLE				
DIESEL	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00
NITROGEN, NITRATE (AS N)	190.00	220.00	67.00	120.00	180.00	1.40

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.
Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-20	SB-20	SB-20	SB-21	SB-21	SB-21
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	2.5	5.0	10.0	2.5	5.0	7.5
QA						
DIESEL	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00
NITROGEN, NITRATE (AS N)	0.23	27.00	10.00	0.92	3.70	3.70

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-21	SB-21	SB-22	SB-22	SB-22	SB-22
DATE	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90	03/09/90
DEPTH	10.0	10.0	0.8	2.5	5.0	10.0
QA		DUPLICATE SAMPLE				
DIESEL	< 500.00	< 500.00	-	-	-	-
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	< 500.00	< 500.00	-	-	-	-
NITROGEN, NITRATE (AS N)	7.40	21.00	1.80	1.80	6.40	8.30

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-22	SB-22	SB-22	SB-23	SB-23	SB-23
DATE	03/09/90	03/09/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	15.0	20.0	30.0	0.5	2.0	5.0
QA						
DIESEL	-	-	-	-	-	-
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	-	-	-	-	-	-
NITROGEN, NITRATE (AS N)	7.40	5.50	52.00	9.20	16.00	6.40

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-23	SB-23	SB-23	SB-23	SB-24	SB-24
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90
DEPTH	12.0	12.0	20.0	30.0	1.0	2.5
QA		DUPLICATE SAMPLE				
DIESEL	-	-	-	-	-	-
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	-	-	-	-	-	-
NITROGEN, NITRATE (AS N)	7.40	32.00	48.00	80.00	3.70	18.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-24	SB-24	SB-24	SB-24	SB-24	SB-25
DATE	03/12/90	03/12/90	03/12/90	03/12/90	03/12/90	03/13/90
DEPTH	5.0	10.0	20.0	30.0	30.0	5.0
QA					DUPLICATE SAMPLE	
DIESEL	-	-	-	-	-	-
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	-	-	-	-	-	-
NITROGEN, NITRATE (AS N)	5.50	5.50	92.00	32.00	60.00	103.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.
Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-25	SB-25	SB-25	SB-25	SB-25	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	10.0	15.0	20.0	25.0	30.0	2.5
QA						
DIESEL	-	-	-	-	-	-
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	-	-	-	-	-	-
NITROGEN, NITRATE (AS N)	58.00	345.00	< 1.00	1.80	1.80	62.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-26	SB-26	SB-26	SB-26	SB-26	SB-26
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	5.0	10.0	15.0	15.0	25.0	30.0
QA				DUPLICATE SAMPLE		
DIESEL	-	-	-	-	-	-
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	-	-	-	-	-	-
NITROGEN, NITRATE (AS N)	32.00	49.00	2.80	3.70	15.00	7.40

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-27	SB-27	SB-27	SB-27	SB-27	SB-27
DATE	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90	03/13/90
DEPTH	5.0	10.0	15.0	20.0	25.0	30.0
QA						
DIESEL	-	-	-	-	-	-
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	-	-	-	-	-	-
NITROGEN, NITRATE (AS N)	37.00	71.00	17.00	6.40	24.00	0.70

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-28	SB-28	SB-28	SB-28	SB-28	SB-28
DATE	03/14/90	03/14/90	03/14/90	03/14/90	03/14/90	03/14/90
DEPTH	6.5	10.0	15.0	15.0	20.0	25.0
QA				DUPLICATE SAMPLE		
DIESEL	-	-	-	-	-	-
FORMALDEHYDE	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00	<2500.00
KEROSENE	-	-	-	-	-	-
NITROGEN, NITRATE (AS N)	552.00	390.00	620.00	736.00	4.40	12.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

TABLE F-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SOIL BORING SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	SB-28
DATE	03/14/90
DEPTH	30.0
QA	
DIESEL	-
FORMALDEHYDE	<2500.00
KEROSENE	-
NITROGEN, NITRATE (AS N)	28.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

Diesel and kerosene reported as ug/Kg (ppb).

APPENDIX F
SECTION 2

MONITORING WELL SOIL SAMPLES

TABLE F-7a - VOLATILE ORGANIC COMPOUNDS
TABLE F-7b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE F-7c - PESTICIDES AND PCBs
TABLE F-7d - METALS
TABLE F-7e - RADIONUCLIDES
TABLE F-7f - GENERAL CHEMICAL PARAMETERS

TABLE F-7a
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
CHLOROMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	37.6	20.0	28.5	< 8.4	16.8	20.2	26.0
STYRENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
CHLOROMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	17.8	16.6	14.3	15.5	10.8	17.9	14.9
STYRENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
CHLOROMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	19.6	< 8.4	9.1	< 8.4	14.6	< 8.4	< 8.4
STYRENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
CHLOROMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
STYRENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
CHLOROMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
STYRENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
CHLOROMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
STYRENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
CHLOROMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
STYRENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 8240

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
CHLOROMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	120.0
STYRENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
CHLOROMETHANE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4	< 8.4
STYRENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6	< 6.6
BROMOFORM	< 14.1	< 14.1	< 14.1
BROMOMETHANE	< 30.0	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8	< 4.8

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
CHLOROMETHANE	< 30.0	< 30.0	< 30.0
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6	< 21.6
METHYLENE CHLORIDE	< 8.4	< 8.4	< 8.4
STYRENE	< 15.0	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0	< 18.0
TOTAL XYLENES	< 15.0	< 15.0	< 15.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0	< 6.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	-	-	-	-	-	-	-
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	-	-	-	-	-	-	-
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800	< 800	< 800	< 800	-	-
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	-	-	-	-	-	< 800	< 800
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 120	< 120	< 120	< 120	< 120	< 63	< 63
ACENAPHTHYLENE	< 63	< 63	< 63	< 63	< 63	< 120	< 120
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	-	-	-	-	-	-	-
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ACENAPHTHYLENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	-	-	-	-	-	-	-
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ACENAPHTHYLENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	-	-	-	-	-	-	-
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ACENAPHTHYLENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	-	-	-	-	-	-	-
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ACENAPHTHYLENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 8270

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	-	-	-	-	-	-	-
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ACENAPHTHYLENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	< 730	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90	< 90	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400	<1400	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190	< 190	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110	< 110	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	-	-	-	-	-	-	-
2-METHYLNAPHTHALENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500	<1500	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	< 800	< 800	< 800	< 800	< 800	< 800	< 800
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63	< 63	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670	< 670	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140	< 140	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330	< 330	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700	<1700	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80	< 80	< 80	< 80	< 80
ACENAPHTHENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
ACENAPHTHYLENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ANTHRACENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260	< 260	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160	< 160	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140	< 140	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
BENZOIC ACID	< 330	< 330	< 330	< 330	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670	< 670	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190	< 190	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83	< 83	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330	< 330	< 330	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730	< 730	< 730	1100	1200	< 730
DIMETHYL PHTHALATE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30	< 30	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120	< 120	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73	< 73	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150	< 150	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330	< 330	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53	< 53	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120	< 120	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180	< 180	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50	< 50	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63	< 63	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
1,2,4-TRICHLOROBENZENE	< 63	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330	< 330
2-CHLOROPHENOL	< 110	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	-	-	-
2-METHYLNAPHTHALENE	< 330	< 330	< 330
2-METHYLPHENOL	< 330	< 330	< 330
2-NITROANILINE	<1700	<1700	<1700
2-NITROPHENOL	< 120	< 120	< 120

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
3,3'-DICHLOROBENZIDINE	<1500	<1500	<1500
3-NITROANILINE	<1700	<1700	<1700
4,6-DINITRO-2-METHYLPHENOL	< 800	< 800	< 800
4-BROMOPHENYL PHENYL ETHER	< 63	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100	< 100
4-CHLOROANILINE	< 670	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140	< 140
4-METHYLPHENOL	< 330	< 330	< 330
4-NITROANILINE	<1700	<1700	<1700
4-NITROPHENOL	< 80	< 80	< 80
ACENAPHTHENE	< 63	< 63	< 63
ACENAPHTHYLENE	< 120	< 120	< 120
ANTHRACENE	< 63	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260	< 260
BENZO(A)PYRENE	< 83	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
BENZOIC ACID	< 330	< 330	< 330
BENZYL ALCOHOL	< 670	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83	< 83
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83	< 83
CHRYSENE	< 83	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83	< 83
DIBENZOFURAN	< 330	< 330	< 330
DIETHYL PHTHALATE	810	890	1200
DIMETHYL PHTHALATE	< 53	< 53	< 53
FLUORANTHENE	< 73	< 73	< 73
FLUORENE	< 63	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30	< 30

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
HEXACHLOROCYCLOPENTADIENE	< 330	< 330	< 330
HEXACHLOROETHANE	< 63	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120	< 120
ISOPHORONE	< 73	< 73	< 73
N-NITROSODI-N-PROPYLAMINE	< 150	< 150	< 150
N-NITROSODIPHENYLAMINE	< 330	< 330	< 330
NAPHTHALENE	< 53	< 53	< 53
NITROBENZENE	< 63	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120	< 120
PHENANTHRENE	< 180	< 180	< 180
PHENOL	< 50	< 50	< 50
PYRENE	< 63	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	200.0	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	360.0	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
4,4'-DDD	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
PCB-1242	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
4,4'-DDD	< 3.3	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7	< 1.7
CHLORDANE	< 1.7	< 1.7	< 1.7
DELTA-BHC	< 3.3	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0	< 67.0
PCB-1016	<170.0	<170.0	<170.0
PCB-1221	<170.0	<170.0	<170.0
PCB-1232	<170.0	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
PCB-1242	<170.0	<170.0	<170.0
PCB-1248	<170.0	<170.0	<170.0
PCB-1254	<170.0	<170.0	<170.0
PCB-1260	<170.0	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
ANTIMONY (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
ARSENIC (TOTAL)	1.200	1.000	< 1.000	2.100	2.500	1.000	2.000
BARIUM (TOTAL)	117.000	96.000	65.000	40.000	96.000	97.000	105.000
BERYLLIUM (TOTAL)	0.200	0.300	0.200	< 0.100	0.300	0.300	< 0.100
CADMIUM (TOTAL)	2.000	2.000	2.000	2.000	2.000	2.000	2.000
CHROMIUM (TOTAL)	63.000	44.000	33.000	73.000	59.000	59.000	< 10.000
CHROMIUM, HEXAVALENT (+6)	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
COBALT (TOTAL)	16.000	15.000	12.000	22.000	14.000	16.000	< 1.000
COPPER (TOTAL)	51.000	51.000	37.000	57.000	63.000	52.000	51.000
LEAD (TOTAL)	6.800	4.500	3.300	6.700	9.600	4.400	4.500
MERCURY (TOTAL)	0.093	0.054	0.180	0.150	0.070	0.120	0.070
MOLYBDENUM (TOTAL)	2.000	1.000	57.000	20.000	25.000	3.000	4.000
NICKEL (TOTAL)	165.000	129.000	44.000	132.000	104.000	< 10.000	120.000
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
SILVER (TOTAL)	< 1.000	< 1.000	6.000	< 1.000	< 3.000	< 1.000	2.000
THALLIUM (TOTAL)	1.700	2.000	1.700	1.600	1.800	1.800	0.700
VANADIUM (TOTAL)	27.000	34.000	20.000	24.000	27.000	22.000	23.000
ZINC (TOTAL)	29.000	30.000	17.000	57.000	71.000	59.000	56.000

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
ANTIMONY (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
ARSENIC (TOTAL)	1.100	1.000	1.500	< 1.000	1.100	< 1.000	< 1.000
BARIUM (TOTAL)	< 10.000	13.000	1.000	< 10.000	< 10.000	43.000	127.000
BERYLLIUM (TOTAL)	< 0.100	< 0.100	< 0.100	0.100	0.100	< 0.100	0.100
CADMIUM (TOTAL)	0.800	0.800	0.700	0.600	0.700	1.100	0.500
CHROMIUM (TOTAL)	30.000	< 10.000	29.000	14.000	26.000	1.000	52.000
CHROMIUM, HEXAVALENT (+6)	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.200	< 0.100
COBALT (TOTAL)	5.000	6.000	6.000	3.000	< 1.000	15.000	15.000
COPPER (TOTAL)	30.000	31.000	32.000	27.000	30.000	49.000	45.000
LEAD (TOTAL)	1.100	1.300	1.300	1.000	1.000	21.000	2.000
MERCURY (TOTAL)	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.530	0.060
MOLYBDENUM (TOTAL)	< 1.000	1.000	50.000	1.000	2.000	2.000	2.000
NICKEL (TOTAL)	55.000	62.000	< 10.000	5.000	48.000	204.000	126.000
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
SILVER (TOTAL)	< 1.000	4.000	1.000	1.000	2.000	2.000	1.000
THALLIUM (TOTAL)	1.600	0.900	0.500	1.000	1.900	0.700	1.700
VANADIUM (TOTAL)	11.000	< 10.000	< 10.000	< 10.000	11.000	19.000	21.000
ZINC (TOTAL)	16.000	16.000	22.000	12.000	17.000	80.000	46.000

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
ANTIMONY (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	22.000	< 3.000
ARSENIC (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	1.200	1.600	1.300
BARIUM (TOTAL)	113.000	140.000	100.000	160.000	90.000	181.000	169.000
BERYLLIUM (TOTAL)	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	3.640	0.300
CADMIUM (TOTAL)	1.300	0.900	0.800	1.500	1.200	14.500	11.200
CHROMIUM (TOTAL)	67.000	3.000	3.000	4.000	5.000	86.300	52.600
CHROMIUM, HEXAVALENT (+6)	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.290	1.980
COBALT (TOTAL)	16.000	8.000	4.000	< 1.000	8.000	18.600	4.000
COPPER (TOTAL)	51.000	51.000	38.000	50.000	55.000	33.600	27.700
LEAD (TOTAL)	3.000	24.000	27.000	4.000	3.000	16.800	16.700
MERCURY (TOTAL)	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	0.050	0.190
MOLYBDENUM (TOTAL)	2.000	2.000	1.000	3.000	3.000	7.520	5.670
NICKEL (TOTAL)	< 10.000	60.000	5.000	67.000	< 10.000	181.000	84.800
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	3.000	< 1.000	< 1.000
SILVER (TOTAL)	1.000	2.000	2.000	7.000	1.000	< 5.000	< 5.000
THALLIUM (TOTAL)	2.100	32.000	24.000	30.000	30.000	4.600	< 3.000
VANADIUM (TOTAL)	28.000	23.000	15.000	18.000	28.000	45.500	6.300
ZINC (TOTAL)	54.000	50.000	43.000	46.000	57.000	55.000	49.800

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

\- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
ANTIMONY (TOTAL)	26.500	12.900	15.800	18.800	18.000	19.000	31.400
ARSENIC (TOTAL)	3.000	1.300	3.000	2.500	2.500	1.000	1.900
BARIUM (TOTAL)	159.000	73.500	71.500	85.800	136.000	176.000	119.000
BERYLLIUM (TOTAL)	0.300	< 0.100	0.100	0.100	0.400	0.500	0.600
CADMIUM (TOTAL)	18.100	10.100	13.500	13.400	13.900	10.300	16.700
CHROMIUM (TOTAL)	77.400	115.000	156.000	71.700	108.000	51.900	89.700
CHROMIUM, HEXAVALENT (+6)	1.000	0.290	1.000	0.200	0.200	0.500	0.900
COBALT (TOTAL)	20.800	15.400	14.400	18.400	23.000	15.400	26.400
COPPER (TOTAL)	44.900	14.100	21.300	30.800	34.100	29.700	53.900
LEAD (TOTAL)	16.000	9.200	10.700	11.900	17.700	16.700	23.700
MERCURY (TOTAL)	0.120	0.060	0.060	0.060	0.080	< 0.040	0.080
MOLYBDENUM (TOTAL)	11.700	< 5.000	< 5.000	5.260	9.700	9.900	16.800
NICKEL (TOTAL)	125.000	144.000	198.000	151.000	216.000	89.500	165.000
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
SILVER (TOTAL)	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000
THALLIUM (TOTAL)	5.300	< 3.000	3.700	5.000	7.200	5.800	9.300
VANADIUM (TOTAL)	58.400	32.100	42.300	42.600	44.800	39.000	58.500
ZINC (TOTAL)	77.400	31.600	41.700	51.300	68.300	51.100	88.600

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
ANTIMONY (TOTAL)	20.300	13.600	16.700	17.900	12.500	13.900	18.900
ARSENIC (TOTAL)	1.500	1.900	2.300	1.100	2.700	2.000	3.100
BARIUM (TOTAL)	101.000	58.550	59.320	118.180	150.000	182.000	130.000
BERYLLIUM (TOTAL)	0.400	0.400	0.400	0.500	0.200	0.200	0.200
CADMIUM (TOTAL)	13.200	0.100	0.100	0.100	14.600	16.300	18.200
CHROMIUM (TOTAL)	77.500	73.340	75.740	50.810	122.000	87.800	99.500
CHROMIUM, HEXAVALENT (+6)	0.500	< 0.100	< 0.100	0.300	1.000	0.590	0.200
COBALT (TOTAL)	17.800	20.400	19.900	17.800	22.000	21.100	22.600
COPPER (TOTAL)	33.100	26.400	29.600	24.100	36.600	47.000	52.700
LEAD (TOTAL)	16.200	10.700	22.530	< 5.000	17.000	15.800	15.900
MERCURY (TOTAL)	0.060	0.050	0.040	0.060	0.240	0.050	< 0.040
MOLYBDENUM (TOTAL)	11.700	8.100	8.800	10.400	6.130	8.960	11.400
NICKEL (TOTAL)	117.000	162.600	152.300	141.100	215.000	159.000	181.000
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
SILVER (TOTAL)	< 5.000	0.070	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000
THALLIUM (TOTAL)	7.400	< 5.000	6.300	< 5.000	< 5.000	5.090	5.060
VANADIUM (TOTAL)	49.600	43.500	47.000	34.400	47.700	53.600	62.000
ZINC (TOTAL)	61.100	47.500	48.900	38.100	231.000	60.900	62.700

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
ANTIMONY (TOTAL)	15.800	21.500	19.400	19.500	12.170	19.200	20.100
ARSENIC (TOTAL)	3.400	3.000	3.400	1.800	1.200	1.400	< 1.000
BARIUM (TOTAL)	156.000	135.000	98.400	95.800	136.000	169.000	126.000
BERYLLIUM (TOTAL)	0.200	0.500	0.100	0.300	< 0.100	< 0.100	0.100
CADMIUM (TOTAL)	18.000	15.500	16.300	15.800	11.700	15.000	15.400
CHROMIUM (TOTAL)	97.700	80.100	110.000	99.700	93.900	73.400	130.000
CHROMIUM, HEXAVALENT (+6)	3.980	0.490	1.000	< 1.000	0.600	0.400	0.100
COBALT (TOTAL)	23.600	20.300	20.600	20.700	19.100	20.300	12.800
COPPER (TOTAL)	56.700	43.400	49.500	46.500	33.400	53.600	43.600
LEAD (TOTAL)	19.500	17.700	16.300	14.700	20.200	20.200	16.900
MERCURY (TOTAL)	0.070	0.060	0.130	0.050	0.150	< 0.040	0.110
MOLYBDENUM (TOTAL)	9.680	12.300	11.700	12.100	8.000	10.650	11.900
NICKEL (TOTAL)	204.000	112.000	173.000	174.000	194.000	144.000	122.000
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
SILVER (TOTAL)	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000
THALLIUM (TOTAL)	6.100	< 5.000	5.670	< 5.000	< 5.000	5.090	5.860
VANADIUM (TOTAL)	63.300	54.500	56.700	52.700	37.900	51.000	49.300
ZINC (TOTAL)	71.500	62.300	59.800	61.700	397.000	69.400	62.400

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
ANTIMONY (TOTAL)	17.600	10.700	17.800	12.500	12.400	10.000	10.500
ARSENIC (TOTAL)	1.700	1.700	1.000	1.500	< 1.000	1.000	1.900
BARIUM (TOTAL)	137.000	146.000	185.000	177.000	262.000	195.000	196.000
BERYLLIUM (TOTAL)	< 0.100	< 0.100	< 0.100	0.400	0.100	0.100	0.100
CADMIUM (TOTAL)	16.200	13.100	14.500	24.100	20.600	15.800	15.400
CHROMIUM (TOTAL)	98.700	56.600	81.700	94.200	92.400	29.500	27.900
CHROMIUM, HEXAVALENT (+6)	0.400	0.600	0.100	0.300	0.200	0.800	4.000
COBALT (TOTAL)	20.300	28.000	23.200	25.600	23.200	28.300	12.900
COPPER (TOTAL)	47.400	38.000	48.400	45.200	39.300	26.500	25.000
LEAD (TOTAL)	13.400	19.900	14.800	19.300	16.700	19.200	15.000
MERCURY (TOTAL)	0.070	< 0.040	0.280	0.080	0.060	< 0.040	< 0.040
MOLYBDENUM (TOTAL)	9.610	8.780	11.100	10.900	9.900	6.300	7.600
NICKEL (TOTAL)	206.000	106.000	180.000	199.000	204.000	51.300	38.500
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
SILVER (TOTAL)	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000
THALLIUM (TOTAL)	< 5.000	< 5.000	6.180	< 5.000	< 5.000	< 5.000	< 5.000
VANADIUM (TOTAL)	55.400	52.000	53.300	55.000	45.700	34.200	36.700
ZINC (TOTAL)	63.700	51.600	64.000	67.400	64.700	45.800	42.000

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
ANTIMONY (TOTAL)	13.100	15.500	14.400	10.500	11.800	12.900	8.800
ARSENIC (TOTAL)	1.200	2.700	2.000	1.500	1.000	2.900	1.200
BARIUM (TOTAL)	129.000	89.900	156.000	178.000	176.000	108.000	149.000
BERYLLIUM (TOTAL)	0.200	0.100	0.200	0.300	0.300	0.300	0.300
CADMIUM (TOTAL)	20.400	21.900	19.500	20.700	19.300	19.900	13.900
CHROMIUM (TOTAL)	65.800	21.900	69.600	152.000	81.500	88.800	36.300
CHROMIUM, HEXAVALENT (+6)	1.200	0.400	0.500	0.200	0.500	0.290	0.200
COBALT (TOTAL)	21.800	15.700	27.400	24.700	24.800	21.900	12.200
COPPER (TOTAL)	34.900	37.300	38.700	47.300	45.900	49.100	29.300
LEAD (TOTAL)	16.600	14.000	18.700	61.400	21.400	16.000	9.500
MERCURY (TOTAL)	0.080	0.060	0.130	0.070	0.070	0.160	< 0.040
MOLYBDENUM (TOTAL)	7.400	9.600	9.900	7.600	9.400	8.800	5.700
NICKEL (TOTAL)	180.000	147.000	172.000	303.000	178.000	221.000	64.700
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
SILVER (TOTAL)	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000
THALLIUM (TOTAL)	5.100	< 5.000	5.500	< 5.000	5.200	5.200	< 5.000
VANADIUM (TOTAL)	48.300	52.900	48.500	39.800	47.000	49.700	36.200
ZINC (TOTAL)	58.400	60.200	59.000	66.300	59.400	58.400	47.800

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
ANTIMONY (TOTAL)	10.000	< 5.000	6.500	13.100	11.700	14.400	13.800
ARSENIC (TOTAL)	2.200	1.300	< 1.000	5.000	3.600	3.900	3.800
BARIUM (TOTAL)	152.000	60.300	126.000	175.000	184.000	218.000	320.000
BERYLLIUM (TOTAL)	0.200	0.100	0.100	< 0.100	0.400	0.400	0.200
CADMIUM (TOTAL)	17.500	11.000	11.800	26.700	24.000	25.400	23.100
CHROMIUM (TOTAL)	77.100	70.500	47.700	152.000	89.700	104.000	104.000
CHROMIUM, HEXAVALENT (+6)	0.100	0.190	0.200	0.490	0.800	0.200	0.100
COBALT (TOTAL)	23.700	13.700	17.200	31.500	26.300	27.900	25.500
COPPER (TOTAL)	47.800	16.500	30.000	56.800	62.300	55.600	54.600
LEAD (TOTAL)	11.700	7.210	12.400	27.100	72.700	20.900	19.000
MERCURY (TOTAL)	0.150	0.060	< 0.040	0.350	0.050	0.040	0.050
MOLYBDENUM (TOTAL)	8.500	< 5.000	< 5.000	10.200	11.300	13.700	11.900
NICKEL (TOTAL)	199.000	119.000	137.000	321.000	183.000	228.000	217.000
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000	< 1.000
SILVER (TOTAL)	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000	< 5.000
THALLIUM (TOTAL)	< 5.000	< 5.000	< 5.000	5.000	< 5.000	< 5.000	< 5.000
VANADIUM (TOTAL)	41.900	24.200	26.200	61.800	55.100	63.900	56.000
ZINC (TOTAL)	55.300	25.400	45.400	72.300	71.200	72.300	63.000

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

\- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

METALS

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
ANTIMONY (TOTAL)	13.800	12.600	10.400
ARSENIC (TOTAL)	4.900	4.200	4.400
BARIUM (TOTAL)	186.000	177.000	103.000
BERYLLIUM (TOTAL)	0.200	0.400	0.300
CADMIUM (TOTAL)	26.000	21.400	21.800
CHROMIUM (TOTAL)	87.800	56.900	82.500
CHROMIUM, HEXAVALENT (+6)	0.490	0.480	0.100
COBALT (TOTAL)	25.400	20.700	20.400
COPPER (TOTAL)	69.500	45.800	47.400
LEAD (TOTAL)	73.100	16.300	16.700
MERCURY (TOTAL)	0.070	< 0.040	0.100
MOLYBDENUM (TOTAL)	11.600	10.600	9.200
NICKEL (TOTAL)	197.000	108.000	174.000
SELENIUM (TOTAL)	< 1.000	< 1.000	< 1.000
SILVER (TOTAL)	< 5.000	< 5.000	< 5.000
THALLIUM (TOTAL)	< 5.000	< 5.000	< 5.000
VANADIUM (TOTAL)	58.600	44.300	49.700
ZINC (TOTAL)	76.200	62.900	63.100

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

\- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
ACTINIUM-228	-	-	-	-	-	-	-
ACTINIUM-228/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
COBALT-60	-	-	-	-	-	-	-
COBALT-60/ERROR	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	-	-	-	-	-	-	-
GROSS ALPHA	3.30	2.20	3.20	2.50	1.00	1.70	1.30
GROSS ALPHA/ERROR	+/-1.10	+/-1.00	+/-1.00	+/-1.00	+/-0.70	+/-0.80	+/-0.80
GROSS BETA	5.10	3.40	3.60	3.60	5.00	5.90	6.60
GROSS BETA/ERROR	+/-1.50	+/-1.40	+/-1.50	+/-0.90	+/-1.00	+/-1.00	+/-1.10
LEAD-212	-	-	-	-	-	-	-
LEAD-212/ERROR	-	-	-	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
MANGANESE-54	-	-	-	-	-	-	-
MANGANESE-54/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	9.36	16.56	6.14	7.81	6.72	12.80	5.80
POTASSIUM-40/ERROR	+/-8.77	+/-6.19	+/-5.79	+/-4.89	+/-4.00	+/-4.50	+/-3.00

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0	35.0
QA							DUPLICATE SAMPLE
RADIUM-226	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
RADIUM-226/ERROR	-	-	-	-	-	-	-
STRONTIUM-90	< 0.05	0.17	< 0.05	0.20	< 0.05	< 0.05	0.51
STRONTIUM-90/ERROR	-	+/-0.16	-	+/-0.06	-	-	+/-0.26
THALLIUM-208	-	-	-	-	-	-	-
THALLIUM-208/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.70	1.01	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	-	+/-0.74	-	-	-	-	-
TRITIUM	4.92	5.35	5.55	5.20	< 0.20	< 0.20	2.61
TRITIUM/ERROR	+/-0.08	+/-0.09	+/-0.89	+/-0.10	-	-	+/-0.07

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

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ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
ACTINIUM-228	-	-	-	-	-	-	-
ACTINIUM-228/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20
CESIUM-137/ERROR	-	-	-	-	-	-	+/-0.10
COBALT-60	-	-	-	-	-	-	-
COBALT-60/ERROR	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	-	-	-	-	-	-	-
GROSS ALPHA	1.80	0.80	1.10	1.10	1.20	1.70	1.80
GROSS ALPHA/ERROR	+/-0.80	+/-0.60	+/-0.60	+/-0.60	+/-0.60	+/-0.80	+/-0.90
GROSS BETA	6.30	5.00	4.90	5.00	4.90	5.60	4.70
GROSS BETA/ERROR	+/-1.10	+/-1.00	+/-1.00	+/-1.00	+/-1.00	+/-1.20	+/-1.10
LEAD-212	-	-	-	-	-	-	-
LEAD-212/ERROR	-	-	-	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
MANGANESE-54	-	-	-	-	-	-	-
MANGANESE-54/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	8.75	8.07	9.33	5.76	10.55	8.01	7.30
POTASSIUM-40/ERROR	+/-6.09	+/-6.00	+/-3.51	+/-6.02	+/-3.76	+/-5.69	+/-5.97

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16	UCD-17
DATE	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90	04/06/90	04/06/90
DEPTH	5.0	10.0	15.0	30.0	40.0	1.5	5.0
QA							
RADIUM-226	1.06	< 0.10	0.35	0.82	< 0.10	< 0.10	< 0.10
RADIUM-226/ERROR	+/-0.67	-	+/-0.35	+/-0.61	-	-	-
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	0.10	0.13	0.24
STRONTIUM-90/ERROR	-	-	-	-	+/-0.06	+/-0.06	+/-0.11
THALLIUM-208	-	-	-	-	-	-	-
THALLIUM-208/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	0.80	< 0.70
THORIUM-232/ERROR	-	-	-	-	-	+/-0.60	-
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.50	< 0.20
TRITIUM/ERROR	-	-	-	-	-	+/-0.30	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
ACTINIUM-228	-	-	-	-	-	-	-
ACTINIUM-228/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
COBALT-60	-	-	-	-	-	0.17	-
COBALT-60/ERROR	-	-	-	-	-	+/-0.05	-
GAMMA SPECTRAL ANALYSIS	-	-	-	-	-	-	< 0.10
GROSS ALPHA	0.70	0.60	0.40	< 0.30	0.60	1.50	1.40
GROSS ALPHA/ERROR	+/-0.60	+/-0.20	+/-0.10	-	+/-0.10	+/-0.70	+/-0.70
GROSS BETA	3.70	0.60	0.60	0.40	0.80	2.70	2.30
GROSS BETA/ERROR	+/-1.00	+/-0.10	+/-0.10	+/-0.10	+/-0.10	+/-1.00	+/-1.00
LEAD-212	-	-	-	-	-	-	-
LEAD-212/ERROR	-	-	-	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
MANGANESE-54	-	-	-	-	-	-	-
MANGANESE-54/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	< 27.70	13.20	7.68	8.52	8.31	23.90	46.40
POTASSIUM-40/ERROR	-	+/-5.20	+/-3.01	+/-2.80	+/-3.20	+/-1.10	+/-5.10

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17	UCD-18-05.0A	UCD-18-20.0A
DATE	04/06/90	04/09/90	04/09/90	04/09/90	04/09/90	10/02/90	10/02/90
DEPTH	10.0	20.0	20.0	30.0	40.0	5.0	20.0
QA			DUPLICATE SAMPLE				
RADIUM-226	< 2.49	0.70	0.60	0.80	< 0.10	0.60	1.40
RADIUM-226/ERROR	-	+/-0.50	+/-0.50	+/-0.60	-	+/-0.10	+/-0.40
STRONTIUM-90	0.08	< 0.05	< 0.05	< 0.05	< 0.05	< 0.15	0.10
STRONTIUM-90/ERROR	+/-0.06	-	-	-	-	-	+/-0.08
THALLIUM-208	-	-	-	-	-	-	-
THALLIUM-208/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.70	0.90	< 0.70	< 0.70	< 0.70	0.66	1.10
THORIUM-232/ERROR	-	+/-0.60	-	-	-	+/-0.12	+/-0.60
TRITIUM	< 0.20	0.50	< 0.20	< 0.20	< 0.20	< 0.20	0.40
TRITIUM/ERROR	-	+/-0.40	-	-	-	-	+/-0.30

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
ACTINIUM-228	-	-	-	-	-	-	-
ACTINIUM-228/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	-	-	-
CESIUM-137/ERROR	-	-	-	-	-	-	-
COBALT-60	-	-	-	-	-	-	-
COBALT-60/ERROR	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	< 0.10	< 0.10	-	-	< 0.10	< 0.10	< 0.10
GROSS ALPHA	1.70	< 0.30	1.20	1.20	1.10	2.10	1.30
GROSS ALPHA/ERROR	+/-0.80	-	+/-0.70	+/-0.70	+/-0.70	+/-0.90	+/-0.80
GROSS BETA	3.20	1.20	2.40	1.30	3.00	3.40	3.40
GROSS BETA/ERROR	+/-1.00	+/-0.90	+/-1.00	+/-0.90	+/-1.00	+/-1.00	+/-1.00
LEAD-212	-	-	-	-	-	-	-
LEAD-212/ERROR	-	-	-	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
MANGANESE-54	-	-	-	-	-	-	-
MANGANESE-54/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	22.70	11.80	26.70	33.30	-	-	-
POTASSIUM-40/ERROR	+/-2.40	+/-3.30	+/-1.10	+/-3.10	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A
DATE	10/02/90	10/02/90	10/02/90	10/02/90	09/26/90	09/26/90	09/26/90
DEPTH	35.0	45.0	55.0	65.0	1.0	20.0	40.0
QA							
RADIUM-226	0.40	0.60	0.80	1.10	-	-	-
RADIUM-226/ERROR	+/-0.20	+/-0.30	+/-0.10	+/-0.30	-	-	-
STRONTIUM-90	< 0.08	< 0.08	0.13	0.10	< 0.05	< 0.05	0.76
STRONTIUM-90/ERROR	-	-	+/-0.09	+/-0.08	-	-	-
THALLIUM-208	-	-	-	-	-	-	-
THALLIUM-208/ERROR	-	-	-	-	-	-	-
THORIUM-232	0.90	< 0.50	0.70	0.70	-	-	-
THORIUM-232/ERROR	+/-0.30	-	+/-0.10	+/-0.30	-	-	-
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
ACTINIUM-228	-	0.82	-	-	-	-	-
ACTINIUM-228/ERROR	-	+/-0.41	-	-	-	-	-
CESIUM-137	-	-	-	-	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
COBALT-60	-	-	-	-	-	-	-
COBALT-60/ERROR	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	< 0.10	-	-	-	-	< 0.10	< 0.10
GROSS ALPHA	1.00	0.80	0.90	0.90	< 0.30	1.30	0.60
GROSS ALPHA/ERROR	+/-0.70	+/-0.70	+/-0.80	+/-0.60	-	+/-0.80	+/-0.80
GROSS BETA	2.60	2.90	3.10	3.70	1.50	1.10	2.50
GROSS BETA/ERROR	+/-1.00	+/-1.00	+/-1.00	+/-1.00	+/-1.10	+/-1.10	+/-1.10
LEAD-212	-	0.73	0.63	0.81	-	-	-
LEAD-212/ERROR	-	+/-0.13	+/-0.09	+/-0.12	-	-	-
LEAD-214	-	-	0.56	-	-	-	-
LEAD-214/ERROR	-	-	+/-0.19	-	-	-	-
MANGANESE-54	-	-	-	-	540.08	-	-
MANGANESE-54/ERROR	-	-	-	-	+/-0.07	-	-
POTASSIUM-40	-	-	-	-	20.20	10.30	11.30
POTASSIUM-40/ERROR	-	-	-	-	+/-2.90	+/-3.20	+/-3.30

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-19-50.0B	UCD-19-70.0A	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A
DATE	09/26/90	09/27/90	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90
DEPTH	50.0	70.0	70.0	73.0	0.0	15.0	25.0
QA	DUPLICATE SAMPLE		DUPLICATE SAMPLE				
RADIUM-226	-	0.40	0.55	0.72	0.30	< 0.10	< 0.10
RADIUM-226/ERROR	-	+/-0.27	+/-0.16	+/-0.21	+/-0.20	-	-
STRONTIUM-90	< 0.05	< 0.05	19.00	< 0.05	0.17	< 0.17	< 0.70
STRONTIUM-90/ERROR	-	-	+/-8.70	-	+/-0.08	+/-0.08	-
THALLIUM-208	-	0.60	0.52	0.58	-	-	-
THALLIUM-208/ERROR	-	+/-0.28	+/-0.16	+/-0.25	-	-	-
THORIUM-232	-	-	-	-	0.60	0.50	< 0.50
THORIUM-232/ERROR	-	-	-	-	+/-0.30	+/-0.40	-
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
ACTINIUM-228	-	-	-	-	-	-	-
ACTINIUM-228/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20
CESIUM-137/ERROR	-	-	-	-	-	-	-
COBALT-60	-	-	-	-	-	-	-
COBALT-60/ERROR	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
GROSS ALPHA	1.00	1.10	2.00	2.30	2.40	1.70	1.30
GROSS ALPHA/ERROR	+/-0.90	+/-0.80	+/-1.00	+/-1.00	+/-1.00	+/-0.80	+/-0.80
GROSS BETA	3.00	2.00	1.70	2.60	2.20	2.30	3.10
GROSS BETA/ERROR	+/-1.10	+/-1.10	+/-1.10	+/-1.10	+/-1.10	+/-1.10	+/-1.10
LEAD-212	-	-	-	-	-	-	-
LEAD-212/ERROR	-	-	-	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
MANGANESE-54	-	-	-	-	-	-	-
MANGANESE-54/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	6.80	10.40	7.90	9.60	12.80	12.10	11.80
POTASSIUM-40/ERROR	+/-1.90	+/-5.00	+/-2.70	+/-2.10	+/-2.10	+/-1.20	+/-2.20

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-20-35.0A	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	35.0	50.0	65.0	65.0	0.0	15.0	25.0
QA				DUPLICATE SAMPLE			
RADIUM-226	0.40	0.70	< 0.10	0.40	< 0.10	0.40	0.60
RADIUM-226/ERROR	+/-0.20	+/-0.40	-	+/-0.20	-	+/-0.20	+/-0.20
STRONTIUM-90	< 0.05	0.30	< 0.05	0.12	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	+/-0.09	-	+/-0.08	-	-	-
THALLIUM-208	-	-	-	-	-	-	-
THALLIUM-208/ERROR	-	-	-	-	-	-	-
THORIUM-232	0.50	0.70	< 0.50	< 0.50	0.70	0.40	0.70
THORIUM-232/ERROR	+/-0.20	+/-0.50	-	-	+/-0.30	+/-0.30	+/-0.20
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	0.60	< 0.20
TRITIUM/ERROR	-	-	-	-	-	+/-0.50	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
ACTINIUM-228	-	-	-	-	-	-	-
ACTINIUM-228/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
COBALT-60	-	-	-	-	-	-	-
COBALT-60/ERROR	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
GROSS ALPHA	1.70	2.40	1.50	1.70	1.80	1.10	1.70
GROSS ALPHA/ERROR	+/-0.90	+/-0.90	+/-0.80	+/-0.70	+/-0.70	+/-0.60	+/-0.70
GROSS BETA	2.80	3.00	2.40	3.70	3.70	2.50	2.70
GROSS BETA/ERROR	+/-1.10	+/-1.20	+/-1.10	+/-1.00	+/-1.00	+/-1.00	+/-1.00
LEAD-212	-	-	-	-	-	-	-
LEAD-212/ERROR	-	-	-	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
MANGANESE-54	-	-	-	-	-	-	-
MANGANESE-54/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	14.50	17.90	12.90	1.40	2.10	1.60	2.50
POTASSIUM-40/ERROR	+/-2.40	+/-4.30	+/-0.20	+/-0.40	+/-0.30	+/-0.20	+/-0.10

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A	UCD-22-20.0B
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0	20.0
QA							DUPLICATE SAMPLE
RADIUM-226	0.40	0.70	0.40	0.90	0.50	0.50	0.60
RADIUM-226/ERROR	+/-0.20	+/-0.40	+/-0.20	+/-0.40	+/-0.30	+/-0.20	+/-0.10
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.40
STRONTIUM-90/ERROR	-	-	-	-	-	-	+/-0.20
THALLIUM-208	-	-	-	-	-	-	-
THALLIUM-208/ERROR	-	-	-	-	-	-	-
THORIUM-232	0.80	1.00	0.60	0.80	1.00	0.50	0.60
THORIUM-232/ERROR	+/-0.30	+/-0.50	+/-0.20	+/-0.50	+/-0.30	+/-0.30	+/-0.10
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
ACTINIUM-228	-	-	-	-	-	-	-
ACTINIUM-228/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
COBALT-60	-	-	-	-	-	-	-
COBALT-60/ERROR	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
GROSS ALPHA	1.00	1.90	1.40	2.00	2.20	2.20	0.80
GROSS ALPHA/ERROR	+/-0.60	+/-0.90	+/-0.70	+/-0.80	+/-0.80	+/-0.70	+/-0.60
GROSS BETA	2.50	2.10	3.90	3.40	3.80	4.70	1.40
GROSS BETA/ERROR	+/-1.00	+/-0.90	+/-1.10	+/-1.30	+/-1.30	+/-1.40	+/-1.10
LEAD-212	-	-	-	-	-	-	-
LEAD-212/ERROR	-	-	-	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
MANGANESE-54	-	-	-	-	-	-	-
MANGANESE-54/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	2.80	3.70	1.10	1.30	2.80	4.40	2.10
POTASSIUM-40/ERROR	+/-0.10	+/-0.40	+/-0.20	+/-0.50	+/-0.20	+/-0.40	+/-0.10

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A	UCD-23-20.0A	UCD-23-35.0A
DATE	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90	10/15/90	10/15/90
DEPTH	30.0	40.0	55.0	0.0	5.0	20.0	35.0
QA							
RADIUM-226	0.80	1.10	0.40	0.60	0.70	1.40	0.50
RADIUM-226/ERROR	+/-0.20	+/-0.30	+/-0.20	+/-0.40	+/-0.20	+/-0.30	+/-0.10
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	-	-	-	-	-	-
THALLIUM-208	-	-	-	-	-	-	-
THALLIUM-208/ERROR	-	-	-	-	-	-	-
THORIUM-232	0.80	0.70	0.40	0.60	1.00	1.40	0.60
THORIUM-232/ERROR	+/-0.20	+/-0.40	+/-0.20	+/-0.50	+/-0.20	+/-0.40	+/-0.10
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
ACTINIUM-228	-	-	-	-	-	-	-
ACTINIUM-228/ERROR	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
COBALT-60	-	-	-	-	-	-	-
COBALT-60/ERROR	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
GROSS ALPHA	1.80	1.40	1.20	1.10	1.80	1.10	1.20
GROSS ALPHA/ERROR	+/-0.90	+/-0.70	+/-0.60	+/-0.60	+/-0.70	+/-0.60	+/-0.70
GROSS BETA	1.60	1.40	1.70	3.60	1.40	2.80	1.50
GROSS BETA/ERROR	+/-1.10	+/-1.20	+/-1.20	+/-1.00	+/-0.90	+/-1.00	+/-0.90
LEAD-212	-	-	-	-	-	-	-
LEAD-212/ERROR	-	-	-	-	-	-	-
LEAD-214	-	-	-	-	-	-	-
LEAD-214/ERROR	-	-	-	-	-	-	-
MANGANESE-54	-	-	-	-	-	-	-
MANGANESE-54/ERROR	-	-	-	-	-	-	-
POTASSIUM-40	1.10	3.80	1.00	12.80	8.66	18.50	11.90
POTASSIUM-40/ERROR	+/-0.20	+/-0.20	+/-0.20	+/-2.00	+/-3.52	+/-2.20	+/-1.50

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B
DATE	10/15/90	10/15/90	10/15/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	35.0	50.0	70.0	0.0	5.0	10.0	10.0
QA	DUPLICATE SAMPLE						DUPLICATE SAMPLE
RADIUM-226	0.40	0.90	0.40	< 0.10	0.60	0.70	0.50
RADIUM-226/ERROR	+/-0.20	+/-0.20	+/-0.20	-	+/-0.30	+/-0.20	+/-0.20
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.09	< 0.10	< 0.05	< 0.09
STRONTIUM-90/ERROR	-	-	-	-	-	-	-
THALLIUM-208	-	-	-	-	-	-	-
THALLIUM-208/ERROR	-	-	-	-	-	-	-
THORIUM-232	0.40	0.80	0.40	< 0.50	0.50	0.80	0.60
THORIUM-232/ERROR	+/-0.20	+/-0.20	+/-0.20	-	+/-0.40	+/-0.30	+/-0.20
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7e (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
ACTINIUM-228	-	-	-
ACTINIUM-228/ERROR	-	-	-
CESIUM-137	< 0.13	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-
COBALT-60	-	-	-
COBALT-60/ERROR	-	-	-
GAMMA SPECTRAL ANALYSIS	< 0.10	< 0.10	< 0.10
GROSS ALPHA	0.60	1.20	1.60
GROSS ALPHA/ERROR	+/-0.50	+/-0.60	+/-0.70
GROSS BETA	3.00	3.00	2.80
GROSS BETA/ERROR	+/-1.00	+/-1.00	+/-1.00
LEAD-212	-	-	-
LEAD-212/ERROR	-	-	-
LEAD-214	-	-	-
LEAD-214/ERROR	-	-	-
MANGANESE-54	-	-	-
MANGANESE-54/ERROR	-	-	-
POTASSIUM-40	18.10	30.90	14.60
POTASSIUM-40/ERROR	+/-2.70	+/-1.40	+/-4.30

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range
Depth represented in feet below ground surface.

TABLE F-7e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

RADIONUCLIDES

SAMPLE	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90
DEPTH	40.0	50.0	60.0
QA			
RADIUM-226	0.60	0.90	0.80
RADIUM-226/ERROR	+/-0.30	+/-0.10	+/-0.40
STRONTIUM-90	< 0.11	< 0.05	0.15
STRONTIUM-90/ERROR	-	-	+/-0.11
THALLIUM-208	-	-	-
THALLIUM-208/ERROR	-	-	-
THORIUM-232	0.70	1.00	0.90
THORIUM-232/ERROR	+/-0.30	+/-0.20	+/-0.50
TRITIUM	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in feet below ground surface.

TABLE F-7f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15	UCD-15
DATE	03/27/90	03/27/90	03/27/90	03/29/90	03/29/90	03/29/90
DEPTH	10.0	15.0	20.0	25.0	30.0	35.0
QA						
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	23.0	9.2	12.0	9.7	5.3	5.5

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-15	UCD-16	UCD-16	UCD-16	UCD-16	UCD-16
DATE	03/29/90	04/03/90	04/03/90	04/03/90	04/03/90	04/03/90
DEPTH	35.0	5.0	10.0	15.0	30.0	40.0
QA	DUPLICATE SAMPLE					
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	7.8	22.0	4.0	9.0	7.0	5.0

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-16	UCD-17	UCD-17	UCD-17	UCD-17	UCD-17
DATE	04/06/90	04/06/90	04/06/90	04/09/90	04/09/90	04/09/90
DEPTH	1.5	5.0	10.0	20.0	20.0	30.0
QA					DUPLICATE SAMPLE	
FORMALDEHYDE	2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	10.0	17.0	15.0	20.0	25.0	10.0

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-17	UCD-18-05.0A	UCD-18-20.0A	UCD-18-35.0A	UCD-18-45.0A	UCD-18-55.0A
DATE	04/09/90	10/02/90	10/02/90	10/02/90	10/02/90	10/02/90
DEPTH	40.0	5.0	20.0	35.0	45.0	55.0
QA						
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	6.0	24.9	26.1	9.1	4.2	39.8

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-18-65.0A	UCD-19-01.0A	UCD-19-20.0A	UCD-19-40.0A	UCD-19-50.0B	UCD-19-70.0A
DATE	10/02/90	09/26/90	09/26/90	09/26/90	09/26/90	09/27/90
DEPTH	65.0	1.0	20.0	40.0	50.0	70.0
QA					DUPLICATE SAMPLE	
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	2.1	20.0	12.7	8.9	4.5	17.6

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-19-70.0B	UCD-19-73.0A	UCD-20-00.0A	UCD-20-15.0A	UCD-20-25.0A	UCD-20-35.0A
DATE	09/27/90	09/27/90	10/05/90	10/05/90	10/05/90	10/05/90
DEPTH	70.0	73.0	0.0	15.0	25.0	35.0
QA	DUPLICATE SAMPLE					
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	3.8	23.5	10.0	17.6	6.0	11.7

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7f (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-20-50.0A	UCD-20-65.0A	UCD-20-65.0B	UCD-21-00.0A	UCD-21-15.0A	UCD-21-25.0A
DATE	10/05/90	10/05/90	10/05/90	10/10/90	10/10/90	10/10/90
DEPTH	50.0	65.0	65.0	0.0	15.0	25.0
QA			DUPLICATE SAMPLE			
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	6.0	9.7	8.0	4.0	5.1	4.7

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
Depth represented in feet below ground surface.

TABLE F-7f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-21-35.0A	UCD-21-50.0A	UCD-21-60.0A	UCD-22-05.0A	UCD-22-10.0A	UCD-22-20.0A
DATE	10/10/90	10/10/90	10/10/90	10/23/90	10/23/90	10/23/90
DEPTH	35.0	50.0	60.0	5.0	10.0	20.0
QA						
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	5.5	10.1	11.2	71.2	56.8	62.1

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-22-20.0B	UCD-22-30.0A	UCD-22-40.0A	UCD-22-55.0A	UCD-23-00.0A	UCD-23-05.0A
DATE	10/23/90	10/23/90	10/23/90	10/23/90	10/15/90	10/15/90
DEPTH	20.0	30.0	40.0	55.0	0.0	5.0
QA	DUPLICATE SAMPLE					
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	62.7	28.9	12.1	9.3	15.8	18.0

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-23-20.0A	UCD-23-35.0A	UCD-23-35.0B	UCD-23-50.0A	UCD-23-70.0A	UCD-24-00.0A
DATE	10/15/90	10/15/90	10/15/90	10/15/90	10/15/90	10/18/90
DEPTH	20.0	35.0	35.0	50.0	70.0	0.0
QA			DUPLICATE SAMPLE			
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	14.0	13.7	18.2	3.8	6.8	6.9

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

TABLE F-7f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF MONITORING WELL SOIL SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	UCD-24-05.0A	UCD-24-10.0A	UCD-24-10.0B	UCD-24-40.0A	UCD-24-50.0A	UCD-24-60.0A
DATE	10/18/90	10/18/90	10/18/90	10/18/90	10/18/90	10/18/90
DEPTH	5.0	10.0	10.0	40.0	50.0	60.0
QA			DUPLICATE SAMPLE			
FORMALDEHYDE	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0	<2500.0
NITROGEN, NITRATE (AS N)	7.3	4.5	3.9	5.8	16.1	9.0

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

Depth represented in feet below ground surface.

APPENDIX F
SECTION 3

DOG PEN SAMPLES

TABLE F-8a - CHLORDANE
TABLE F-8b - RADIONUCLIDES
TABLE F-8c - NITRATES

TABLE F-8a
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)
CHLORDANE
EPA METHOD 8080

SAMPLE	DATE	DEPTH	QA	CHLORDANE ug/Kg (ppb)
PS-C20	02/20/90	18.0		< 0.50
PS-C20	02/20/90	0.0	D	< 0.50
PS-D04	02/20/90	0.0		5.50
PS-D04	02/20/90	18.0		< 0.50
PS-D13	02/20/90	0.0		< 0.50
PS-D13	02/20/90	18.0		< 0.50
PS-D13	02/20/90	0.0	D	< 0.50
PS-D21	02/20/90	0.0		< 0.50
PS-D21	02/20/90	18.0		< 0.50
PS-D32	02/20/90	0.0		< 0.50
PS-D32	02/20/90	18.0		< 0.50
PS-E06	02/22/90	0.0		< 0.50
PS-E06	02/22/90	18.0		< 0.50
PS-E10	02/22/90	0.0		< 0.50
PS-E10	02/22/90	18.0		< 0.50
PS-E24	02/22/90	0.0		< 0.50
PS-E24	02/22/90	18.0		< 0.50
PS-E24	02/22/90	0.0	D	< 0.50
PS-F21	02/22/90	0.0		5.90
PS-F21	02/22/90	18.0		4.50
PS-F26	02/22/90	0.0		24.00
PS-F26	02/22/90	18.0		32.00
PS-G22	02/22/90	0.0		< 0.50

QA field indicates samples taken as a part of the on site Quality Assurance Program
D = Duplicate sample
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
Depth represented in inches below ground surface.

TABLE F-8a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

CHLORDANE

EPA METHOD 8080

SAMPLE	DATE	DEPTH	QA	CHLORDANE
				ug/Kg (ppb)
PS-G22	02/22/90	18.0		< 0.50
PS-G22	02/22/90	0.0	D	< 0.50
PS-G25	02/22/90	0.0		11.00
PS-G25	02/22/90	18.0		5.60
PS-H05	02/20/90	0.0		< 0.50
PS-H05	02/20/90	18.0		< 0.50
PS-I03	02/20/90	0.0		0.51
PS-I03	02/20/90	18.0		< 0.50
PS-J09	02/21/90	0.0		1.10
PS-J09	02/21/90	18.0		< 0.60
PS-J22	02/21/90	0.0		< 0.50
PS-J22	02/21/90	18.0		< 0.50
PS-J22	02/21/90	0.0	D	< 0.50
PS-J25	02/21/90	0.0		< 0.50
PS-J25	02/21/90	18.0		< 0.50
PS-K23	02/21/90	0.0		2.20
PS-K23	02/21/90	18.0		< 0.50
PS-K27	02/21/90	0.0		1.20
PS-K27	02/21/90	18.0		< 0.50
PS-L01	02/21/90	0.0		1.10
PS-L01	02/21/90	18.0		< 0.90
PS-L01	02/21/90	0.0	D	< 0.50
PS-L02	02/21/90	0.0		< 0.50

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

Depth represented in inches below ground surface.

TABLE F-8a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

CHLORDANE

EPA METHOD 8080

SAMPLE	DATE	DEPTH	QA	CHLORDANE
				ug/Kg (ppb)
PS-L02	02/21/90	18.0		< 0.50
PS-L19	02/21/90	0.0		5.60
PS-L19	02/21/90	18.0		< 0.50
PS-M14	02/21/90	0.0		< 0.50
PS-M14	02/21/90	18.0		< 0.90
PS-M17	02/21/90	0.0		9.40
PS-M17	02/21/90	18.0		480.00
PS-M29	02/21/90	0.0		< 0.50
PS-M29	02/21/90	18.0		< 0.50

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

Depth represented in inches below ground surface.

TABLE F-8b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

RADIONUCLIDES

SAMPLE	PS-C20	PS-C20	PS-D04	PS-D04	PS-D13	PS-D13	PS-D13
DATE	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90
DEPTH	0.0	18.0	0.0	18.0	0.0	0.0	18.0
QA	DUPLICATE SAMPLE					DUPLICATE SAMPLE	
CARBON-14	-	-	-	-	-	-	-
CESIUM-137	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	1.50	1.10	1.60	1.20	1.40	2.30	1.00
GROSS ALPHA/ERROR	+/- 0.80	+/- 0.80	+/- 0.90	+/- 0.70	+/- 0.80	+/- 1.30	+/- 0.70
GROSS BETA	6.70	7.30	6.50	4.00	6.80	7.80	4.90
GROSS BETA/ERROR	+/- 1.30	+/- 1.30	+/- 1.30	+/- 1.10	+/- 1.30	+/- 2.20	+/- 1.20
POTASSIUM-40	13.90	12.50	7.70	14.20	7.10	6.90	9.60
POTASSIUM-40/ERROR	+/- 5.10	+/- 8.50	+/- 6.40	+/- 6.00	+/- 4.30	+/- 3.70	+/- 2.50
RADIUM-226	< 0.60	< 0.70	< 0.60	< 0.60	< 0.40	< 0.40	< 0.30
RADIUM-226/ERROR	-	-	-	-	-	-	-
STRONTIUM-90	< 0.07	< 0.07	< 0.06	< 0.06	< 0.07	< 0.07	< 0.07
STRONTIUM-90/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.70	< 1.00	< 0.70	< 0.70	< 0.60	< 0.50	< 0.30
THORIUM-232/ERROR	-	-	-	-	-	-	-
TRITIUM	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.40
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in inches below ground surface.

TABLE F-8b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

RADIONUCLIDES

SAMPLE	PS-D21	PS-D21	PS-D32	PS-D32	PS-E06	PS-E06	PS-E10
DATE	02/21/90	02/21/90	02/21/90	02/21/90	02/22/90	02/22/90	02/22/90
DEPTH	0.0	18.0	0.0	18.0	0.0	18.0	0.0
QA							
CARBON-14	-	-	-	-	-	-	-
CESIUM-137	< 0.20	< 0.20	< 0.20	< 0.20	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	1.40	1.00	1.10	1.10	1.50	0.80	1.00
GROSS ALPHA/ERROR	+/- 0.90	+/- 0.90	+/- 0.80	+/- 0.80	+/- 0.90	+/- 0.80	+/- 0.80
GROSS BETA	7.50	7.50	6.60	6.00	5.30	7.40	7.50
GROSS BETA/ERROR	+/- 1.30	+/- 1.30	+/- 1.30	+/- 1.20	+/- 1.30	+/- 1.40	+/- 1.40
POTASSIUM-40	7.00	5.30	9.70	5.50	11.86	9.07	9.75
POTASSIUM-40/ERROR	+/- 5.50	+/- 5.20	+/- 8.60	+/- 3.00	+/- 9.19	+/- 5.92	+/- 3.29
RADIUM-226	< 0.60	< 0.50	< 0.80	< 0.50	< 0.10	< 0.10	< 0.10
RADIUM-226/ERROR	-	-	-	-	-	-	-
STRONTIUM-90	< 0.07	< 0.06	< 0.12	< 0.10	< 0.05	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.60	< 0.60	< 1.00	< 0.60	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	-	-	-	-	-	-	-
TRITIUM	< 0.30	< 0.30	< 0.30	< 0.30	1.50	< 0.20	0.40
TRITIUM/ERROR	-	-	-	-	+/- 0.40	-	+/- 0.30

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range
Depth represented in inches below ground surface.

TABLE F-8b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

RADIONUCLIDES

SAMPLE	PS-E10	PS-E24	PS-E24	PS-E24	PS-F21	PS-F21	PS-F26
DATE	02/22/90	02/22/90	02/22/90	02/22/90	02/22/90	02/22/90	02/22/90
DEPTH	18.0	0.0	0.0	18.0	0.0	18.0	0.0
QA			DUPLICATE SAMPLE				
CARBON-14	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	2.30	3.00	0.80	1.30	0.60	2.40	1.30
GROSS ALPHA/ERROR	+/- 1.00	+/- 1.60	+/- 0.80	+/- 0.90	+/- 0.70	+/- 1.50	+/- 0.70
GROSS BETA	6.70	12.40	5.80	6.20	4.50	17.80	2.90
GROSS BETA/ERROR	+/- 1.40	+/- 1.60	+/- 1.30	+/- 1.30	+/- 1.30	+/- 2.70	+/- 1.20
POTASSIUM-40	12.78	13.43	8.31	13.30	9.75	8.52	11.66
POTASSIUM-40/ERROR	+/- 3.77	+/- 2.99	+/- 2.60	+/- 3.62	+/- 2.46	+/- 4.98	+/- 3.88
RADIUM-226	0.40	< 0.10	0.70	0.60	0.50	< 0.10	< 0.10
RADIUM-226/ERROR	+/- 0.30	-	+/- 0.30	+/- 0.30	+/- 0.20	-	-
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	0.17	< 0.05	< 0.05
STRONTIUM-90/ERROR	-	-	-	-	+/- 0.08	-	-
THORIUM-232	< 0.70	0.70	0.50	< 0.70	< 0.70	< 0.70	0.60
THORIUM-232/ERROR	-	+/- 0.40	+/- 0.30	-	-	-	+/- 0.40
TRITIUM	0.40	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	+/- 0.30	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range
Depth represented in inches below ground surface.

TABLE F-8b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

RADIONUCLIDES

SAMPLE	PS-F26	PS-G22	PS-G22	PS-G22	PS-G25	PS-G25	PS-H05
DATE	02/22/90	02/22/90	02/22/90	02/22/90	02/22/90	02/22/90	02/21/90
DEPTH	18.0	0.0	0.0	18.0	0.0	18.0	0.0
QA			DUPLICATE SAMPLE				
CARBON-14	-	-	-	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	1.20	5.00	3.20	3.00	4.90	4.40	1.20
GROSS ALPHA/ERROR	+/- 0.80	+/- 1.60	+/- 1.40	+/- 1.10	+/- 2.00	+/- 1.90	+/- 0.80
GROSS BETA	7.80	15.50	15.90	15.90	14.90	20.20	7.60
GROSS BETA/ERROR	+/- 1.40	+/- 2.50	+/- 2.50	+/- 2.50	+/- 2.50	+/- 2.80	+/- 1.30
POTASSIUM-40	12.53	7.86	8.98	9.76	10.13	7.18	7.90
POTASSIUM-40/ERROR	+/- 2.67	+/- 4.25	+/- 4.15	+/- 4.57	+/- 4.84	+/- 4.05	+/- 4.90
RADIUM-226	< 0.10	< 0.10	< 0.10	< 0.10	0.60	< 0.10	< 0.50
RADIUM-226/ERROR	-	-	-	-	+/- 0.50	-	-
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	0.13	< 0.05	< 0.07
STRONTIUM-90/ERROR	-	-	-	-	+/- 0.08	-	-
THORIUM-232	0.50	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
THORIUM-232/ERROR	+/- 0.30	-	-	-	-	-	-
TRITIUM	< 0.20	0.40	< 0.20	< 0.20	< 0.20	< 0.20	< 0.30
TRITIUM/ERROR	-	+/- 0.30	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range
Depth represented in inches below ground surface.

TABLE F-8b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

RADIONUCLIDES

SAMPLE	PS-H05	PS-I03	PS-I03	PS-J09	PS-J09	PS-J22	PS-J22
DATE	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90
DEPTH	18.0	0.0	18.0	0.0	18.0	0.0	0.0
QA							DUPLICATE SAMPLE
CARBON-14	-	-	-	-	-	-	-
CESIUM-137	< 0.20	< 0.20	< 0.20	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-	-
GROSS ALPHA	1.70	2.00	1.30	1.30	0.90	0.90	0.90
GROSS ALPHA/ERROR	+/- 0.80	+/- 0.80	+/- 0.90	+/- 0.90	+/- 0.60	+/- 0.60	+/- 0.60
GROSS BETA	8.00	7.10	6.40	5.40	5.80	7.20	4.20
GROSS BETA/ERROR	+/- 1.30	+/- 1.30	+/- 1.20	+/- 1.20	+/- 1.20	+/- 1.30	+/- 1.20
POTASSIUM-40	12.50	10.70	10.70	9.90	11.40	11.60	11.50
POTASSIUM-40/ERROR	+/- 4.70	+/- 6.00	+/- 2.60	+/- 3.40	+/- 4.60	+/- 4.40	+/- 2.60
RADIUM-226	0.70	< 0.60	0.60	+/- 0.50	< 0.10	< 0.10	0.50
RADIUM-226/ERROR	+/- 0.50	-	+/- 0.30	+/- 0.30	-	-	+/- 0.30
STRONTIUM-90	< 0.08	< 0.06	< 0.07	< 0.06	< 0.07	< 0.08	0.22
STRONTIUM-90/ERROR	-	-	-	-	-	-	+/- 0.10
THORIUM-232	< 0.70	< 0.50	0.60	+/- 0.80	< 0.70	0.70	0.50
THORIUM-232/ERROR	-	-	+/- 0.30	+/- 0.40	-	+/- 0.50	+/- 0.30
TRITIUM	< 0.30	< 0.30	< 0.30	< 0.20	< 0.20	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	-	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range
Depth represented in inches below ground surface.

TABLE F-8b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

RADIONUCLIDES

SAMPLE	PS-J22	PS-J25	PS-J25	PS-K23	PS-K23	PS-K27	PS-K27
DATE	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90
DEPTH	18.0	0.0	18.0	0.0	18.0	0.0	18.0
QA							
CARBON-14	-	< 0.20	< 0.20	< 0.20	< 0.10	< 0.20	< 0.20
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.20	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	+/- 0.10	-
GROSS ALPHA	1.40	1.30	0.80	0.90	1.20	1.70	1.10
GROSS ALPHA/ERROR	+/- 1.00	+/- 0.90	+/- 0.60	+/- 0.60	+/- 0.90	+/- 1.10	+/- 1.00
GROSS BETA	7.70	5.80	5.60	7.80	9.20	8.70	8.60
GROSS BETA/ERROR	+/- 1.30	+/- 1.20	+/- 1.20	+/- 1.30	+/- 1.30	+/- 1.40	+/- 1.40
POTASSIUM-40	8.20	10.90	11.90	10.60	10.00	11.40	15.40
POTASSIUM-40/ERROR	+/- 4.20	+/- 5.00	+/- 4.60	+/- 3.80	+/- 2.50	+/- 2.70	+/- 5.20
RADIUM-226	< 0.10	0.60	< 0.10	< 0.10	0.40	< 0.10	0.90
RADIUM-226/ERROR	-	+/- 0.60	-	-	+/- 0.20	-	+/- 0.50
STRONTIUM-90	< 0.08	< 0.06	< 0.07	< 0.06	< 0.06	< 0.16	< 0.09
STRONTIUM-90/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.70	< 0.70	< 0.50	0.60	0.60	0.50	< 0.60
THORIUM-232/ERROR	-	-	-	+/- 0.40	+/- 0.30	+/- 0.30	-
TRITIUM	< 0.20	< 0.20	< 0.20	0.50	< 0.10	< 0.20	< 0.20
TRITIUM/ERROR	-	-	-	+/- 0.40	-	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range
Depth represented in inches below ground surface.

TABLE F-8b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

RADIONUCLIDES

SAMPLE	PS-L01	PS-L01	PS-L01	PS-L02	PS-L02	PS-L19	PS-L19
DATE	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90
DEPTH	0.0	0.0	18.0	0.0	18.0	0.0	18.0
QA		DUPLICATE SAMPLE					
CARBON-14	< 0.20	< 0.20	< 0.20	-	-	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.10
CESIUM-137/ERROR	-	-	-	-	-	-	+/- 0.10
GROSS ALPHA	1.60	2.20	1.10	1.30	2.00	1.40	1.40
GROSS ALPHA/ERROR	+/- 0.90	+/- 1.10	+/- 0.90	+/- 0.90	+/- 1.00	+/- 1.00	+/- 0.80
GROSS BETA	8.00	9.10	7.80	9.40	7.10	8.90	8.30
GROSS BETA/ERROR	+/- 1.30	+/- 1.30	+/- 1.30	+/- 1.40	+/- 1.20	+/- 1.30	+/- 1.30
POTASSIUM-40	14.60	10.10	10.90	10.90	9.40	6.50	13.20
POTASSIUM-40/ERROR	+/- 3.40	+/- 2.90	+/- 4.80	+/- 5.30	+/- 2.60	+/- 0.70	+/- 3.60
RADIUM-226	0.60	0.40	< 0.10	0.60	< 0.10	< 0.10	< 0.10
RADIUM-226/ERROR	+/- 0.30	+/- 0.20	-	+/- 0.50	-	-	-
STRONTIUM-90	< 0.09	< 0.09	< 0.09	< 0.06	< 0.09	< 0.09	< 0.09
STRONTIUM-90/ERROR	-	-	-	-	-	-	-
THORIUM-232	< 0.40	0.90	< 0.50	< 0.70	< 0.30	< 0.70	< 0.40
THORIUM-232/ERROR	-	+/- 0.30	-	-	-	-	-
TRITIUM	0.40	0.80	0.70	< 0.20	0.60	< 0.20	< 0.20
TRITIUM/ERROR	+/- 0.30	+/- 0.40	+/- 0.40	-	+/- 0.30	-	-

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range
Depth represented in inches below ground surface.

TABLE F-8b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

RADIONUCLIDES

SAMPLE	PS-M14	PS-M14	PS-M17	PS-M17	PS-M29	PS-M29
DATE	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90	02/21/90
DEPTH	0.0	18.0	0.0	18.0	0.0	18.0
QA						
CARBON-14	-	-	< 0.20	< 0.20	-	-
CESIUM-137	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
CESIUM-137/ERROR	-	-	-	-	-	-
GROSS ALPHA	5.30	4.20	1.10	0.80	2.70	2.30
GROSS ALPHA/ERROR	+/- 2.40	+/- 2.30	+/- 0.80	+/- 0.80	+/- 2.00	+/- 2.10
GROSS BETA	13.70	14.10	6.20	7.10	14.00	15.40
GROSS BETA/ERROR	+/- 2.70	+/- 2.70	+/- 1.20	+/- 1.20	+/- 2.70	+/- 2.80
POTASSIUM-40	13.20	10.50	12.10	10.90	12.10	9.60
POTASSIUM-40/ERROR	+/- 5.10	+/- 3.70	+/- 6.60	+/- 5.30	+/- 3.00	+/- 2.50
RADIUM-226	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.60
RADIUM-226/ERROR	-	-	-	-	-	+/- 0.50
STRONTIUM-90	< 0.09	< 0.07	< 0.10	< 0.09	< 0.07	< 0.08
STRONTIUM-90/ERROR	-	-	-	-	-	-
THORIUM-232	< 0.40	< 0.10	< 0.70	0.80	< 0.30	< 0.60
THORIUM-232/ERROR	-	-	-	+/- 0.60	-	-
TRITIUM	0.50	0.60	0.70	0.60	0.60	0.40
TRITIUM/ERROR	+/- 0.30	+/- 0.30	+/- 0.40	+/- 0.30	+/- 0.30	+/- 0.30

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range
Depth represented in inches below ground surface.

TABLE F-8c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

NITRATES

SAMPLE	DATE	DEPTH	QA	NITROGEN, NITRATE (AS N) mg/Kg (ppm)
PS-C20	02/20/90	18.0		2.80
PS-C20	02/20/90	0.0	D	3.70
PS-D04	02/20/90	0.0		2.80
PS-D04	02/20/90	18.0		1.80
PS-D13	02/20/90	0.0		3.70
PS-D13	02/20/90	18.0		2.80
PS-D13	02/20/90	0.0	D	1.80
PS-D21	02/20/90	0.0		4.60
PS-D21	02/20/90	18.0		1.40
PS-D32	02/20/90	0.0		4.60
PS-D32	02/20/90	18.0		2.80
PS-E06	02/22/90	0.0		136.00
PS-E06	02/22/90	18.0		168.00
PS-E10	02/22/90	0.0		49.70
PS-E10	02/22/90	18.0		20.20
PS-E24	02/22/90	0.0		40.00
PS-E24	02/22/90	18.0		64.00
PS-E24	02/22/90	0.0	D	5.52
PS-F21	02/22/90	0.0		12.00
PS-F21	02/22/90	18.0		19.30
PS-F26	02/22/90	0.0		3.68
PS-F26	02/22/90	18.0		6.44
PS-G22	02/22/90	0.0		13.80

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample

Depth represented in inches below ground surface.

TABLE F-8c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

NITRATES

SAMPLE	DATE	DEPTH	QA	NITROGEN, NITRATE (AS N) mg/Kg (ppm)
PS-G22	02/22/90	18.0		24.80
PS-G22	02/22/90	0.0	D	19.30
PS-G25	02/22/90	0.0		9.20
PS-G25	02/22/90	18.0		11.00
PS-H05	02/20/90	0.0		4.60
PS-H05	02/20/90	18.0		5.50
PS-I03	02/20/90	0.0		7.40
PS-I03	02/20/90	18.0		4.60
PS-J09	02/21/90	0.0		4.60
PS-J09	02/21/90	18.0		10.10
PS-J22	02/21/90	0.0		5.50
PS-J22	02/21/90	18.0		2.80
PS-J22	02/21/90	0.0	D	4.60
PS-J25	02/21/90	0.0		9.20
PS-J25	02/21/90	18.0		7.40
PS-K23	02/21/90	0.0		3.70
PS-K23	02/21/90	18.0		6.40
PS-K27	02/21/90	0.0		6.40
PS-K27	02/21/90	18.0		5.50
PS-L01	02/21/90	0.0		2.80
PS-L01	02/21/90	18.0		14.70
PS-L01	02/21/90	0.0	D	7.40
PS-L02	02/21/90	0.0		2.80

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample

Depth represented in inches below ground surface.

(cont.)

TABLE F-8c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF DOG PEN AREA SOILS (LEHR)

NITRATES

SAMPLE	DATE	DEPTH	QA	NITROGEN, NITRATE (AS N) mg/Kg (ppm)
PS-L02	02/21/90	18.0		1.60
PS-L19	02/21/90	0.0		5.50
PS-L19	02/21/90	18.0		1.80
PS-M14	02/21/90	0.0		1.80
PS-M14	02/21/90	18.0		1.80
PS-M17	02/21/90	0.0		5.50
PS-M17	02/21/90	18.0		2.80
PS-M29	02/21/90	0.0		1.60
PS-M29	02/21/90	18.0		1.80

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample

Depth represented in inches below ground surface.

APPENDIX F
SECTION 4

OLD AEC PROJECT SITE SOIL SAMPLES

TABLE F-9a - CHLORDANE
TABLE F-9B - RADIONUCLIDES

TABLE F-9a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF OLD AEC PROJECT SITE SOIL SAMPLES

CHLORDANE

EPA METHOD 8080

SAMPLE	DATE	DEPTH	QA	CHLORDANE
				ug/Kg (ppb)
AEC-01-00.0A	02/19/91	0.0		< 0.50
AEC-01-12.0A	02/19/91	12.0		< 0.50
AEC-02-00.0A	02/19/91	0.0		36.80
AEC-02-12.0A	02/19/91	12.0		67.00
AEC-03-00.0A	02/19/91	0.0		< 0.50
AEC-03-12.0A	02/19/91	12.0		< 0.50
AEC-04-00.0A	02/19/91	0.0		19.80
AEC-04-12.0A	02/19/91	12.0		< 0.50
AEC-05-00.0A	02/21/91	0.0		5.70
AEC-05-12.0A	02/21/91	12.0		< 0.50
AEC-05-12.0B	02/21/91	12.0	D	< 0.50
AEC-06-00.0A	02/21/91	0.0		14.50
AEC-06-12.0A	02/21/91	12.0		< 0.50
AEC-08-00.0A	02/21/91	0.0		4.77
AEC-08-12.0A	02/21/91	12.0		8.30
AEC-09-00.0A	02/21/91	0.0		7.33
AEC-09-12.0A	02/21/91	12.0		12.60
AEC-10-24.0A	02/21/91	24.0		< 0.50
AEC-10-60.0A	02/21/91	60.0		< 0.50
AEC-11-24.0A	02/21/91	24.0		< 0.50
AEC-11-60.0A	02/21/91	60.0		< 0.50
AEC-11-60.0B	02/21/91	60.0	D	< 0.50

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

Depth represented in inches below ground surface.

TABLE F-9b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF OLD AEC PROJECT SITE SOIL SAMPLES

RADIONUCLIDES

SAMPLE	AEC-01-00.0A	AEC-01-12.0A	AEC-02-00.0A	AEC-02-12.0A	AEC-03-00.0A	AEC-03-12.0A
DATE	02/19/91	02/19/91	02/19/91	02/19/91	02/19/91	02/19/91
DEPTH	0.0	12.0	0.0	12.0	0.0	12.0
QA						
CARBON-14	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
CARBON-14/ERROR	-	-	-	-	-	-
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in inches below ground surface.

TABLE F-9b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF OLD AEC PROJECT SITE SOIL SAMPLES

RADIONUCLIDES

SAMPLE	AEC-04-00.0A	AEC-04-12.0A	AEC-05-00.0A	AEC-05-12.0A	AEC-05-12.0B	AEC-06-00.0A
DATE	02/19/91	02/19/91	02/21/91	02/21/91	02/21/91	02/21/91
DEPTH	0.0	12.0	0.0	12.0	12.0	0.0
QA					DUPLICATE SAMPLE	
CARBON-14	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
CARBON-14/ERROR	-	-	-	-	-	-
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in inches below ground surface.

TABLE F-9b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF OLD AEC PROJECT SITE SOIL SAMPLES

RADIONUCLIDES

SAMPLE	AEC-06-12.0A	AEC-08-00.0A	AEC-08-12.0A	AEC-09-00.0A	AEC-09-12.0A	AEC-10-24.0A
DATE	02/21/91	02/21/91	02/21/91	02/21/91	02/21/91	02/21/91
DEPTH	12.0	0.0	12.0	0.0	12.0	24.0
QA						
CARBON-14	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
CARBON-14/ERROR	-	-	-	-	-	-
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in inches below ground surface.

TABLE F-9b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF OLD AEC PROJECT SITE SOIL SAMPLES

RADIONUCLIDES

SAMPLE	AEC-10-60.0A	AEC-11-24.0A	AEC-11-60.0A	AEC-11-60.0B
DATE	02/21/91	02/21/91	02/21/91	02/21/91
DEPTH	60.0	24.0	60.0	60.0
QA				DUPLICATE SAMPLE
CARBON-14	< 0.50	< 0.50	< 0.50	0.50
CARBON-14/ERROR	-	-	-	+/- 0.20
STRONTIUM-90	< 0.05	< 0.05	< 0.05	< 0.05
TRITIUM	< 0.20	< 0.20	< 0.20	< 0.20

All units reported as pCi/gram

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

Depth represented in inches below ground surface.

APPENDIX F
SECTION 5

SEDIMENT SAMPLES

TABLE F-10a - VOLATILE ORGANIC COMPOUNDS
TABLE F-10b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE F-10c - PESTICIDES AND PCBs
TABLE F-10d - METALS
TABLE F-10e - RADIONUCLIDES
TABLE F-10f - GENERAL CHEMICAL PARAMETERS

TABLE F-10a
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SEDIMENT SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
1,1,1-TRICHLOROETHANE	< 11.4	< 11.4
1,1,2,2-TETRACHLOROETHANE	< 20.7	< 20.7
1,1,2-TRICHLOROETHANE	< 15.0	< 15.0
1,1-DICHLOROETHANE	< 14.2	< 14.2
1,1-DICHLOROETHENE	< 8.4	< 8.4
1,2-DICHLOROETHANE	< 8.4	< 8.4
1,2-DICHLOROPROPANE	< 18.0	< 18.0
2-BUTANONE	< 30.0	< 30.0
2-CHLOROETHYLVINYL ETHER	< 30.0	< 30.0
2-HEXANONE	< 30.0	< 30.0
4-METHYL-2-PENTANONE	< 30.0	< 30.0
ACETONE	< 30.0	< 30.0
BENZENE	< 13.2	< 13.2
BROMODICHLOROMETHANE	< 6.6	< 6.6
BROMOFORM	<141.0	<141.0
BROMOMETHANE	< 30.0	< 30.0
CARBON DISULFIDE	< 15.0	< 15.0
CARBON TETRACHLORIDE	< 8.4	< 8.4
CHLOROBENZENE	< 18.0	< 18.0
CHLOROETHANE	< 30.0	< 30.0
CHLOROFORM	< 4.8	< 4.8
CHLOROMETHANE	< 30.0	< 30.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

TABLE F-10a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SEDIMENT SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 8240

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
CIS-1,3-DICHLOROPROPENE	< 15.0	< 15.0
DIBROMOCHLOROMETHANE	< 9.3	< 9.3
ETHYL BENZENE	< 21.6	< 21.6
METHYLENE CHLORIDE	< 8.4	< 8.4
STYRENE	< 15.0	< 15.0
TETRACHLOROETHENE	< 12.3	< 12.3
TOLUENE	< 18.0	< 18.0
TRANS-1,2-DICHLOROETHANE	< 4.8	< 4.8
TRANS-1,3-DICHLOROPROPENE	< 15.0	< 15.0
TRICHLOROETHENE	< 5.7	< 5.7
VINYL ACETATE	< 30.0	< 30.0
VINYL CHLORIDE	< 6.0	< 6.0
XYLENES	< 15.0	< 15.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

TABLE F-10b
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SEDIMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
1,2,4-TRICHLOROBENZENE	< 63	< 63
1,2-DICHLOROBENZENE	< 63	< 63
1,3-DICHLOROBENZENE	< 63	< 63
1,4-DICHLOROBENZENE	< 150	< 150
2,4,5-TRICHLOROPHENOL	< 330	< 330
2,4,6-TRICHLOROPHENOL	< 90	< 90
2,4-DICHLOROPHENOL	< 90	< 90
2,4-DIMETHYLPHENOL	< 90	< 90
2,4-DINITROPHENOL	<1400	<1400
2,4-DINITROTOLUENE	< 190	< 190
2,6-DINITROTOLUENE	< 53	< 53
2-CHLORONAPHTHALENE	< 330	< 330
2-CHLOROPHENOL	< 110	< 110
2-METHYL-4,6-DINITROPHENOL	< 800	< 800
2-METHYLNAPHTHALENE	< 330	< 330
2-METHYLPHENOL	< 330	< 330
2-NITROANILINE	<1700	<1700
2-NITROPHENOL	< 120	< 120
3,3'-DICHLOROBENZIDINE	<1500	<1500

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

TABLE F-10b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SEDIMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
3-NITROANILINE	<1700	<1700
4-BROMOPHENYL PHENYL ETHER	< 63	< 63
4-CHLORO-3-METHYLPHENOL	< 100	< 100
4-CHLOROANILINE	< 670	< 670
4-CHLOROPHENYL PHENYL ETHER	< 140	< 140
4-METHYLPHENOL	< 330	< 330
4-NITROANILINE	<1700	<1700
4-NITROPHENOL	< 80	< 80
ACENAPHTHENE	< 120	< 120
ACENAPHTHYLENE	< 63	< 63
ANTHRACENE	< 63	< 63
BENZO(A)ANTHRACENE	< 260	< 260
BENZO(A)PYRENE	< 83	< 83
BENZO(B)FLUORANTHENE	< 160	< 160
BENZO(GHI)PERYLENE	< 140	< 140
BENZO(K)FLUORANTHENE	< 83	< 83
BENZOIC ACID	< 330	< 330
BENZYL ALCOHOL	< 670	< 670
BENZYL BUTYL PHTHALATE	< 83	< 83

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

TABLE F-10b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SEDIMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
BIS(2-CHLOROETHOXY)METHANE	< 180	< 180
BIS(2-CHLOROETHYL)ETHER	< 190	< 190
BIS(2-CHLOROISOPROPYL)ETHER	< 190	< 190
BIS(2-ETHYLHEXYL)PHTHALATE	< 83	< 83
CHRYSENE	< 83	< 83
DI-N-BUTYL PHTHALATE	< 83	< 83
DI-N-OCTYL PHTHALATE	< 83	< 83
DIBENZO(A,H)ANTHRACENE	< 83	< 83
DIBENZOFURAN	< 330	< 330
DIETHYL PHTHALATE	< 730	< 730
DIMETHYL PHTHALATE	< 53	< 53
FLUORANTHENE	< 73	< 73
FLUORENE	< 63	< 63
HEXACHLOROBENZENE	< 63	< 63
HEXACHLOROBUTADIENE	< 30	< 30
HEXACHLOROCYCLOPENTADIENE	< 330	< 330
HEXACHLOROETHANE	< 63	< 63
INDENO(1,2,3-CD)PYRENE	< 120	< 120
ISOPHORONE	< 73	< 73

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

TABLE F-10b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SEDIMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 8270

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
N-NITROSODI-N-PROPYLAMINE	< 150	< 150
N-NITROSODIPHENYLAMINE	< 170	< 170
NAPHTHALENE	< 53	< 53
NITROBENZENE	< 63	< 63
PENTACHLOROPHENOL	< 120	< 120
PHENANTHRENE	< 180	< 180
PHENOL	< 50	< 50
PYRENE	< 63	< 63

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

TABLE F-10c
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SEDIMENT SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
4,4'-DDD	< 3.3	< 3.3
4,4'-DDE	< 1.7	< 1.7
4,4'-DDT	< 3.3	< 3.3
ALDRIN	< 1.7	< 1.7
ALPHA-BHC	< 1.7	< 1.7
BETA-BHC	< 1.7	< 1.7
CHLORDANE	65.0	< 1.7
DELTA-BHC	< 3.3	< 3.3
DIELDRIN	< 1.7	< 1.7
ENDOSULFAN I	< 3.3	< 3.3
ENDOSULFAN II	< 1.7	< 1.7
ENDOSULFAN SULFATE	< 17.0	< 17.0
ENDRIN	< 3.3	< 3.3
ENDRIN ALDEHYDE	< 6.7	< 6.7
GAMMA-BHC	< 1.7	< 1.7
HEPTACHLOR	< 1.7	< 1.7
HEPTACHLOR EPOXIDE	< 33.0	< 33.0
METHOXYCHLOR	< 67.0	< 67.0
PCB-1016	<170.0	<170.0
PCB-1221	<170.0	<170.0
PCB-1232	<170.0	<170.0
PCB-1242	<170.0	<170.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

TABLE F-10c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMARY OF ANALYSES OF SEDIMENT SAMPLES
PESTICIDES AND PCBs
EPA METHOD 8080

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
PCB-1248	<170.0	<170.0
PCB-1254	<170.0	<170.0
PCB-1260	<170.0	<170.0
TOXAPHENE	< 67.0	< 67.0

All units reported as ug/Kg (ppb)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

TABLE F-10d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SEDIMENT SAMPLES

METALS

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
ANTIMONY	6.80	< 1.00
ARSENIC	1.20	1.10
BARIUM	41.00	65.00
BERYLLIUM	< 0.10	0.20
CADMIUM	< 0.10	< 0.10
CHROMIUM	23.00	69.00
CHROMIUM, HEXAVALENT (+6)	< 0.10	< 0.10
COBALT	2.00	8.00
COPPER	60.00	32.00
LEAD	15.00	4.30
MERCURY	0.26	0.65
MOLYBDENUM	< 1.00	< 1.00
NICKEL	37.00	112.00
SELENIUM	< 1.00	< 1.00
SILVER	< 5.00	5.00
THALLIUM	< 1.00	< 1.00
VANADIUM	11.00	16.00
ZINC	12.00	50.00

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

TABLE F-10e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SEDIMENT SAMPLES

RADIONUCLIDES

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
DEPTH		
QA		
CESIUM-137	0.05	< 0.10
CESIUM-137/ERROR	+/-0.03	-
GROSS ALPHA	0.70	2.10
GROSS ALPHA/ERROR	+/-0.20	+/-0.70
GROSS BETA	2.70	5.70
GROSS BETA/ERROR	+/-0.40	+/-0.90
POTASSIUM-40	1.53	7.43
POTASSIUM-40/ERROR	+/-1.12	+/-0.99
RADIUM-226	< 0.10	0.17
RADIUM-226/ERROR	-	+/-0.11
STRONTIUM-90	< 0.05	< 0.05
THORIUM-232	< 0.70	0.40
THORIUM-232/ERROR	-	+/-0.10
TRITIUM	< 0.20	< 0.20
ZINC-65	-	0.44
ZINC-65/ERROR	-	+/-0.09

All units reported as pCi/gram

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

ERROR = 2-Sigma Range

TABLE F-10f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMARY OF ANALYSES OF SEDIMENT SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	LS-01	OF-01
DATE	02/22/90	02/22/90
QA		
FORMALDEHYDE	<2500.0	<2500.0
NITRATE	6.4	3.7

All units reported as mg/Kg (ppm)

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

APPENDIX F
SECTION 6

SUMMARY OF STATISTICAL DATA — SOIL SAMPLES

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

STATISTICAL ANALYSIS OF SOILS
TABLE F-11
BACKGROUND (UCD-17, UCD-18)

04/05/92

DOE LEHR SOIL STATISTICS
BACKGROUND WELLS UCD-17 AND UCD-18
(NON-DETECTS INCLUDED AT 1/2 DETECTION LIMIT)

PARAMETER	TIMES TESTED	TIMES DETECTED	MEAN	VARIANCE	SAMPLE STANDARD DEVIATION	ONE-TAILED UPPER 95% CONFIDENCE LIMIT	SMALLEST	LARGEST	UNITS
** ANALYSIS: MISCELLANEOUS ANALYTES									
FORMALDEHYDE	13	0	1250.00000	0.00000	0.00000	1250.00000	1250.00000	1250.00000	mg/Kg (ppm)
NITROGEN, NITRATE (AS N)	13	13	15.53846	127.84923	11.30704	21.12683	2.10000	39.80000	mg/Kg (ppm)
** ANALYSIS: METALS									
ANTIMONY (TOTAL)	13	5	7.92308	95.80526	9.78802	12.76069	0.50000	26.50000	mg/Kg (ppm)
ARSENIC (TOTAL)	13	8	1.33846	0.88256	0.93945	1.80277	0.50000	3.00000	mg/Kg (ppm)
BARIUM (TOTAL)	13	13	120.48462	1439.52808	37.94111	139.23655	71.50000	181.00000	mg/Kg (ppm)
BERYLLIUM (TOTAL)	13	7	0.38000	0.96728	0.98351	0.86609	0.05000	3.64000	mg/Kg (ppm)
CADMIUM (TOTAL)	13	13	7.46923	42.57897	6.52526	10.69426	0.50000	18.10000	mg/Kg (ppm)
CHROMIUM (TOTAL)	13	13	57.71538	2178.21141	46.67131	80.78211	3.00000	156.00000	mg/Kg (ppm)
CHROMIUM, HEXAVALENT (+6)	13	7	0.39692	0.34212	0.58491	0.68601	0.05000	1.98000	mg/Kg (pp
COBALT (TOTAL)	13	12	11.99231	41.43077	6.43667	15.17356	0.50000	20.80000	mg/Kg (pp
COPPER (TOTAL)	13	13	37.10769	184.05410	13.56665	43.81285	14.10000	55.00000	mg/Kg (ppm)
LEAD (TOTAL)	13	13	11.34231	69.86410	8.35847	15.47338	2.00000	27.00000	mg/Kg (ppm)
MERCURY (TOTAL)	13	8	0.05769	0.00239	0.04885	0.08183	0.02000	0.19000	mg/Kg (ppm)
MOLYBDENUM (TOTAL)	13	10	3.89615	8.80556	2.96742	5.36276	1.00000	11.70000	mg/Kg (ppm)
NICKEL (TOTAL)	13	11	101.60000	4727.14667	68.75425	135.58095	5.00000	198.00000	mg/Kg (ppm)
SELENIUM (TOTAL)	13	1	0.69231	0.48077	0.69338	1.03500	0.50000	3.00000	mg/Kg (ppm)
SILVER (TOTAL)	13	6	2.42308	2.28526	1.51171	3.17022	1.00000	7.00000	mg/Kg (ppm)
THALLIUM (TOTAL)	13	10	11.06923	159.42731	12.62645	17.30970	1.50000	32.00000	mg/Kg (ppm)
VANADIUM (TOTAL)	13	13	29.50769	205.86410	14.34797	36.59900	6.30000	58.40000	mg/Kg (ppm)
ZINC (TOTAL)	13	13	48.90769	133.70244	11.56298	54.62255	31.60000	77.40000	mg/Kg (ppm)
** ANALYSIS: VOLATILE ORGANICS									
1,1,1-TRICHLOROETHANE	13	0	5.70000	0.00000	0.00000	5.70000	5.70000	5.70000	ug/Kg (ppb)
1,1,2,2-TETRACHLOROETHANE	13	0	10.35000	0.00000	0.00000	10.35000	10.35000	10.35000	ug/Kg (ppb)
1,1,2-TRICHLOROETHANE	13	0	7.50000	0.00000	0.00000	7.50000	7.50000	7.50000	ug/Kg (ppb)

STATISTICAL ANALYSIS OF SOILS
TABLE F-11
BACKGROUND (UCD-17, UCD-18)

04/05/92

DOE LEHR SOIL STATISTICS
BACKGROUND WELLS UCD-17 AND UCD-18
(NON-DETECTS INCLUDED AT 1/2 DETECTION LIMIT)

PARAMETER	TIMES TESTED	TIMES DETECTED	MEAN	VARIANCE	SAMPLE STANDARD DEVIATION	ONE-TAILED UPPER 95% CONFIDENCE LIMIT	SMALLEST	LARGEST	UNITS
1,1-DICHLOROETHANE	13	0	7.10000	0.00000	0.00000	7.10000	7.10000	7.10000	ug/Kg (ppb)
1,1-DICHLOROETHENE	13	0	4.20000	0.00000	0.00000	4.20000	4.20000	4.20000	ug/Kg (ppb)
1,2-DICHLOROETHANE	13	0	4.20000	0.00000	0.00000	4.20000	4.20000	4.20000	ug/Kg (ppb)
1,2-DICHLOROPROPANE	13	0	9.00000	0.00000	0.00000	9.00000	9.00000	9.00000	ug/Kg (ppb)
2-BUTANONE	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
2-CHLOROETHYLVINYL ETHER	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
2-HEXANONE	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
4-METHYL-2-PENTANONE	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
ACETONE	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
BENZENE	13	0	6.60000	0.00000	0.00000	6.60000	6.60000	6.60000	ug/Kg (ppb)
BROMODICHLOROMETHANE	13	0	3.30000	0.00000	0.00000	3.30000	3.30000	3.30000	ug/Kg (ppb)
BROMOFORM	13	0	7.05000	0.00000	0.00000	7.05000	7.05000	7.05000	ug/Kg (ppb)
BROMOMETHANE	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
CARBON DISULFIDE	13	0	7.50000	0.00000	0.00000	7.50000	7.50000	7.50000	ug/Kg (ppb)
CARBON TETRACHLORIDE	13	0	4.20000	0.00000	0.00000	4.20000	4.20000	4.20000	ug/Kg (ppb)
CHLOROBENZENE	13	0	9.00000	0.00000	0.00000	9.00000	9.00000	9.00000	ug/Kg (ppb)
CHLOROETHANE	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
CHLOROFORM	13	0	2.40000	0.00000	0.00000	2.40000	2.40000	2.40000	ug/Kg (ppb)
CHLOROMETHANE	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
CIS-1,3-DICHLOROPROPENE	13	0	7.50000	0.00000	0.00000	7.50000	7.50000	7.50000	ug/Kg (ppb)
DIBROMOCHLOROMETHANE	13	0	4.65000	0.00000	0.00000	4.65000	4.65000	4.65000	ug/Kg (ppb)
ETHYL BENZENE	13	0	10.80000	0.00000	0.00000	10.80000	10.80000	10.80000	ug/Kg (ppb)
METHYLENE CHLORIDE	13	4	7.38462	29.33141	5.41585	10.06133	4.20000	19.60000	ug/Kg (ppb)
STYRENE	13	0	7.50000	0.00000	0.00000	7.50000	7.50000	7.50000	ug/Kg (ppb)
TETRACHLOROETHENE	13	0	6.15000	0.00000	0.00000	6.15000	6.15000	6.15000	ug/Kg (ppb)
TOLUENE	13	0	9.00000	0.00000	0.00000	9.00000	9.00000	9.00000	ug/Kg (ppb)
TOTAL XYLENES	13	0	7.50000	0.00000	0.00000	7.50000	7.50000	7.50000	ug/Kg (ppb)
TRANS-1,2-DICHLOROETHANE	13	0	2.40000	0.00000	0.00000	2.40000	2.40000	2.40000	ug/Kg (ppb)

STATISTICAL ANALYSIS OF SOILS
TABLE F-11
BACKGROUND (UCD-17, UCD-18)

04/05/92

DOE LEHR SOIL STATISTICS
BACKGROUND WELLS UCD-17 AND UCD-18
(NON-DETECTS INCLUDED AT 1/2 DETECTION LIMIT)

PARAMETER	TIMES TESTED	TIMES DETECTED	MEAN	VARIANCE	SAMPLE STANDARD DEVIATION	ONE-TAILED UPPER 95% CONFIDENCE LIMIT	SMALLEST	LARGEST	UNITS
TRANS-1,3-DICHLOROPROPENE	13	0	7.50000	0.00000	0.00000	7.50000	7.50000	7.50000	ug/Kg (ppb)
TRICHLOROETHENE	13	0	2.85000	0.00000	0.00000	2.85000	2.85000	2.85000	ug/Kg (ppb)
VINYL ACETATE	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
VINYL CHLORIDE	13	0	3.00000	0.00000	0.00000	3.00000	3.00000	3.00000	ug/Kg (ppb)
** ANALYSIS: SEMIVOLATILE ORGANICS									
1,2,4-TRICHLOROBENZENE	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)
1,2-DICHLOROBENZENE	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)
1,3-DICHLOROBENZENE	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)
1,4-DICHLOROBENZENE	13	0	75.00000	0.00000	0.00000	75.00000	75.00000	75.00000	ug/Kg (ppb)
2,4,5-TRICHLOROPHENOL	13	0	165.00000	0.00000	0.00000	165.00000	165.00000	165.00000	ug/Kg (ppb)
2,4,6-TRICHLOROPHENOL	13	0	45.00000	0.00000	0.00000	45.00000	45.00000	45.00000	ug/Kg
2,4-DICHLOROPHENOL	13	0	45.00000	0.00000	0.00000	45.00000	45.00000	45.00000	ug/Kg
2,4-DIMETHYLPHENOL	13	0	45.00000	0.00000	0.00000	45.00000	45.00000	45.00000	ug/Kg (ppb)
2,4-DINITROPHENOL	13	0	700.00000	0.00000	0.00000	700.00000	700.00000	700.00000	ug/Kg (ppb)
2,4-DINITROTOLUENE	13	0	95.00000	0.00000	0.00000	95.00000	95.00000	95.00000	ug/Kg (ppb)
2,6-DINITROTOLUENE	13	0	26.50000	0.00000	0.00000	26.50000	26.50000	26.50000	ug/Kg (ppb)
2-CHLORONAPHTHALENE	13	0	165.00000	0.00000	0.00000	165.00000	165.00000	165.00000	ug/Kg (ppb)
2-CHLOROPHENOL	13	0	55.00000	0.00000	0.00000	55.00000	55.00000	55.00000	ug/Kg (ppb)
2-METHYL-4,6-DINITROPHENOL	6	0	400.00000	0.00000	0.00000	400.00000	400.00000	400.00000	ug/Kg (ppb)
2-METHYLNAPHTHALENE	13	0	165.00000	0.00000	0.00000	165.00000	165.00000	165.00000	ug/Kg (ppb)
2-METHYLPHENOL	13	0	165.00000	0.00000	0.00000	165.00000	165.00000	165.00000	ug/Kg (ppb)
2-NITROANILINE	13	0	850.00000	0.00000	0.00000	850.00000	850.00000	850.00000	ug/Kg (ppb)
2-NITROPHENOL	13	0	60.00000	0.00000	0.00000	60.00000	60.00000	60.00000	ug/Kg (ppb)
3,3'-DICHLOROBENZIDINE	13	0	750.00000	0.00000	0.00000	750.00000	750.00000	750.00000	ug/Kg (ppb)
3-NITROANILINE	13	0	850.00000	0.00000	0.00000	850.00000	850.00000	850.00000	ug/Kg (ppb)
4,6-DINITRO-2-METHYLPHENOL	7	0	400.00000	0.00000	0.00000	400.00000	400.00000	400.00000	ug/Kg (ppb)
4-BROMOPHENYL PHENYL ETHER	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)

STATISTICAL ANALYSIS OF SOILS
TABLE F-11
BACKGROUND (UCD-17, UCD-18)

04/05/92

DOE LEHR SOIL STATISTICS
BACKGROUND WELLS UCD-17 AND UCD-18
(NON-DETECTS INCLUDED AT 1/2 DETECTION LIMIT)

PARAMETER	TIMES TESTED	TIMES DETECTED	MEAN	VARIANCE	SAMPLE STANDARD DEVIATION	ONE-TAILED UPPER 95% CONFIDENCE LIMIT	SMALLEST	LARGEST	UNITS
4-CHLORO-3-METHYLPHENOL	13	0	50.00000	0.00000	0.00000	50.00000	50.00000	50.00000	ug/Kg (ppb)
4-CHLOROANILINE	13	0	335.00000	0.00000	0.00000	335.00000	335.00000	335.00000	ug/Kg (ppb)
4-CHLOROPHENYL PHENYL ETHER	13	0	70.00000	0.00000	0.00000	70.00000	70.00000	70.00000	ug/Kg (ppb)
4-METHYLPHENOL	13	0	165.00000	0.00000	0.00000	165.00000	165.00000	165.00000	ug/Kg (ppb)
4-NITROANILINE	13	0	850.00000	0.00000	0.00000	850.00000	850.00000	850.00000	ug/Kg (ppb)
4-NITROPHENOL	13	0	40.00000	0.00000	0.00000	40.00000	40.00000	40.00000	ug/Kg (ppb)
ACENAPHTHENE	13	0	44.65385	218.68269	14.78792	51.96260	31.50000	60.00000	ug/Kg (ppb)
ACENAPHTHYLENE	13	0	46.84615	218.68269	14.78792	54.15491	31.50000	60.00000	ug/Kg (ppb)
ANTHRACENE	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)
BENZO(A)ANTHRACENE	13	0	130.00000	0.00000	0.00000	130.00000	130.00000	130.00000	ug/Kg (ppb)
BENZO(A)PYRENE	13	0	41.50000	0.00000	0.00000	41.50000	41.50000	41.50000	ug/Kg (ppb)
BENZO(B)FLUORANTHENE	13	0	80.00000	0.00000	0.00000	80.00000	80.00000	80.00000	ug/Kg (ppb)
BENZO(GHI)PERYLENE	13	0	70.00000	0.00000	0.00000	70.00000	70.00000	70.00000	ug/Kg (ppb)
BENZO(K)FLUORANTHENE	13	0	41.50000	0.00000	0.00000	41.50000	41.50000	41.50000	ug/Kg (ppb)
BENZOIC ACID	13	0	165.00000	0.00000	0.00000	165.00000	165.00000	165.00000	ug/Kg (ppb)
BENZYL ALCOHOL	13	0	335.00000	0.00000	0.00000	335.00000	335.00000	335.00000	ug/Kg (ppb)
BENZYL BUTYL PHTHALATE	13	0	41.50000	0.00000	0.00000	41.50000	41.50000	41.50000	ug/Kg (ppb)
BIS(2-CHLOROETHOXY)METHANE	13	0	90.00000	0.00000	0.00000	90.00000	90.00000	90.00000	ug/Kg (ppb)
BIS(2-CHLOROETHYL)ETHER	13	0	95.00000	0.00000	0.00000	95.00000	95.00000	95.00000	ug/Kg (ppb)
BIS(2-CHLOROISOPROPYL)ETHER	13	0	95.00000	0.00000	0.00000	95.00000	95.00000	95.00000	ug/Kg (ppb)
BIS(2-ETHYLHEXYL)PHTHALATE	13	0	41.50000	0.00000	0.00000	41.50000	41.50000	41.50000	ug/Kg (ppb)
CHRYSENE	13	0	41.50000	0.00000	0.00000	41.50000	41.50000	41.50000	ug/Kg (ppb)
DI-N-BUTYL PHTHALATE	13	0	41.50000	0.00000	0.00000	41.50000	41.50000	41.50000	ug/Kg (ppb)
DI-N-OCTYL PHTHALATE	13	0	41.50000	0.00000	0.00000	41.50000	41.50000	41.50000	ug/Kg (ppb)
DIBENZO(A,H)ANTHRACENE	13	0	41.50000	0.00000	0.00000	41.50000	41.50000	41.50000	ug/Kg (ppb)
DIBENZOFURAN	13	0	165.00000	0.00000	0.00000	165.00000	165.00000	165.00000	ug/Kg (ppb)
DIETHYL PHTHALATE	13	0	365.00000	0.00000	0.00000	365.00000	365.00000	365.00000	ug/Kg (ppb)
DIMETHYL PHTHALATE	13	0	26.50000	0.00000	0.00000	26.50000	26.50000	26.50000	ug/Kg (ppb)

STATISTICAL ANALYSIS OF SOILS
TABLE F-11
BACKGROUND (UCD-17, UCD-18)

04/05/92

DOE LEHR SOIL STATISTICS
BACKGROUND WELLS UCD-17 AND UCD-18
(NON-DETECTS INCLUDED AT 1/2 DETECTION LIMIT)

PARAMETER	TIMES TESTED	TIMES DETECTED	MEAN	VARIANCE	SAMPLE STANDARD DEVIATION	ONE-TAILED UPPER 95% CONFIDENCE LIMIT	SMALLEST	LARGEST	UNITS
FLUORANTHENE	13	0	36.50000	0.00000	0.00000	36.50000	36.50000	36.50000	ug/Kg (ppb)
FLUORENE	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)
HEXACHLOROBENZENE	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)
HEXACHLOROBUTADIENE	13	0	15.00000	0.00000	0.00000	15.00000	15.00000	15.00000	ug/Kg (ppb)
HEXACHLOROCYCLOPENTADIENE	13	0	165.00000	0.00000	0.00000	165.00000	165.00000	165.00000	ug/Kg (ppb)
HEXACHLOROETHANE	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)
INDENO(1,2,3-CD)PYRENE	13	0	60.00000	0.00000	0.00000	60.00000	60.00000	60.00000	ug/Kg (ppb)
ISOPHORONE	13	0	36.50000	0.00000	0.00000	36.50000	36.50000	36.50000	ug/Kg (ppb)
N-NITROSODI-N-PROPYLAMINE	13	0	75.00000	0.00000	0.00000	75.00000	75.00000	75.00000	ug/Kg (ppb)
N-NITROSODIPHENYLAMINE	13	0	165.00000	0.00000	0.00000	165.00000	165.00000	165.00000	ug/Kg (ppb)
NAPHTHALENE	13	0	26.50000	0.00000	0.00000	26.50000	26.50000	26.50000	ug/Kg (ppb)
NITROBENZENE	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)
PENTACHLOROPHENOL	13	0	60.00000	0.00000	0.00000	60.00000	60.00000	60.00000	ug/Kg
PHENANTHRENE	13	0	90.00000	0.00000	0.00000	90.00000	90.00000	90.00000	ug/Kg
PHENOL	13	0	25.00000	0.00000	0.00000	25.00000	25.00000	25.00000	ug/Kg (ppb)
PYRENE	13	0	31.50000	0.00000	0.00000	31.50000	31.50000	31.50000	ug/Kg (ppb)
** ANALYSIS: CHLORINATED PESTICIDES AND PCB									
4,4'-DDD	13	0	1.65000	0.00000	0.00000	1.65000	1.65000	1.65000	ug/Kg (ppb)
4,4'-DDE	13	0	0.85000	0.00000	0.00000	0.85000	0.85000	0.85000	ug/Kg (ppb)
4,4'-DDT	13	0	1.65000	0.00000	0.00000	1.65000	1.65000	1.65000	ug/Kg (ppb)
ALDRIN	13	0	0.85000	0.00000	0.00000	0.85000	0.85000	0.85000	ug/Kg (ppb)
ALPHA-BHC	13	0	0.85000	0.00000	0.00000	0.85000	0.85000	0.85000	ug/Kg (ppb)
BETA-BHC	13	0	0.85000	0.00000	0.00000	0.85000	0.85000	0.85000	ug/Kg (ppb)
CHLORDANE	13	0	0.85000	0.00000	0.00000	0.85000	0.85000	0.85000	ug/Kg (ppb)
DELTA-BHC	13	0	1.65000	0.00000	0.00000	1.65000	1.65000	1.65000	ug/Kg (ppb)
DIELDRIN	13	0	0.85000	0.00000	0.00000	0.85000	0.85000	0.85000	ug/Kg (ppb)
ENDOSULFAN I	13	0	1.65000	0.00000	0.00000	1.65000	1.65000	1.65000	ug/Kg (ppb)

STATISTICAL ANALYSIS OF SOILS
TABLE F-11
BACKGROUND (UCD-17, UCD-18)

04/05/92

DOE LEHR SOIL STATISTICS
BACKGROUND WELLS UCD-17 AND UCD-18
(NON-DETECTS INCLUDED AT 1/2 DETECTION LIMIT)

PARAMETER	TIMES TESTED	TIMES DETECTED	MEAN	VARIANCE	SAMPLE STANDARD DEVIATION	ONE-TAILED UPPER 95% CONFIDENCE LIMIT	SMALLEST	LARGEST	UNITS
ENDOSULFAN II	13	0	0.85000	0.00000	0.00000	0.85000	0.85000	0.85000	ug/Kg (ppb)
ENDOSULFAN SULFATE	13	0	8.50000	0.00000	0.00000	8.50000	8.50000	8.50000	ug/Kg (ppb)
ENDRIN	13	0	1.65000	0.00000	0.00000	1.65000	1.65000	1.65000	ug/Kg (ppb)
ENDRIN ALDEHYDE	13	0	3.35000	0.00000	0.00000	3.35000	3.35000	3.35000	ug/Kg (ppb)
GAMMA-BHC	13	0	0.85000	0.00000	0.00000	0.85000	0.85000	0.85000	ug/Kg (ppb)
HEPTACHLOR	13	0	0.85000	0.00000	0.00000	0.85000	0.85000	0.85000	ug/Kg (ppb)
HEPTACHLOR EPOXIDE	13	0	16.50000	0.00000	0.00000	16.50000	16.50000	16.50000	ug/Kg (ppb)
METHOXYCHLOR	13	0	33.50000	0.00000	0.00000	33.50000	33.50000	33.50000	ug/Kg (ppb)
PCB-1016	13	0	85.00000	0.00000	0.00000	85.00000	85.00000	85.00000	ug/Kg (ppb)
PCB-1221	13	0	85.00000	0.00000	0.00000	85.00000	85.00000	85.00000	ug/Kg (ppb)
PCB-1232	13	0	85.00000	0.00000	0.00000	85.00000	85.00000	85.00000	ug/Kg (ppb)
PCB-1242	13	0	85.00000	0.00000	0.00000	85.00000	85.00000	85.00000	ug/Kg (ppb)
PCB-1248	13	0	85.00000	0.00000	0.00000	85.00000	85.00000	85.00000	ug/Kg (ppb)
PCB-1254	13	0	85.00000	0.00000	0.00000	85.00000	85.00000	85.00000	ug/Kg (ppb)
PCB-1260	13	0	85.00000	0.00000	0.00000	85.00000	85.00000	85.00000	ug/Kg (ppb)
TOXAPHENE	13	0	33.50000	0.00000	0.00000	33.50000	33.50000	33.50000	ug/Kg (ppb)
** ANALYSIS: RADIONUCLIDES									
CESIUM-137	13	1	0.06154	0.00173	0.04160	0.08210	0.05000	0.20000	pCi/gram
COBALT-60	1	1	0.17000	0.00000	0.00000	0.00000	0.17000	0.17000	pCi/gram
GAMMA SPECTRAL ANALYSIS	4	0	0.05000	0.00000	0.00000	0.05000	0.05000	0.05000	pCi/gram
GROSS ALPHA	13	11	1.02308	0.38651	0.62170	1.33034	0.15000	1.90000	pCi/gram
GROSS BETA	13	13	1.96923	1.79064	1.33815	2.63059	0.40000	4.70000	pCi/gram
POTASSIUM-40	13	12	17.35846	158.94591	12.60738	23.58950	2.00000	46.40000	pCi/gram
RADIUM-226	13	10	0.67269	0.16769	0.40950	0.87509	0.05000	1.40000	pCi/gram
STRONTIUM-90	13	5	0.07154	0.00386	0.06213	0.10224	0.02500	0.24000	pCi/gram
THORIUM-232	13	7	0.58923	0.07476	0.27342	0.72436	0.25000	1.10000	pCi/gram
TRITIUM	13	3	0.18462	0.02641	0.16251	0.26494	0.10000	0.50000	pCi/gram

TABLE F-11 (CON'T.)
NORTHERN AREA DOWNGRADIENT OF LEHR
(UCD-16, UCD-19)

WELLS UCD-16, UCD-19 NON-DETECTS AT HALF 04/06/92

PARAMETER	NUMB	NUMB	SMALLEST	LARGEST	UNITS	MEAN	STD_DEV
FORMALDEHYDE	13	1	1250.00000	2500.00000	mg/Kg (ppm)	1346.15385	346.68762
NITROGEN, NITRATE (AS N)	6	6	4.00000	22.00000	mg/Kg (ppm)	9.50000	6.53452
NITROGEN, NITRATE (AS N)	7	7	3.80000	23.50000	mg/Kg (ppm)	13.00000	7.68332
ANTIMONY (TOTAL)	13	7	0.50000	31.40000	mg/Kg (ppm)	10.76154	10.65861
ARSENIC (TOTAL)	13	11	0.50000	2.50000	mg/Kg (ppm)	1.37692	0.62869
BARIUM (TOTAL)	13	10	1.00000	176.00000	mg/Kg (ppm)	64.61923	59.55256
BERYLLIUM (TOTAL)	13	9	0.05000	0.60000	mg/Kg (ppm)	0.27692	0.21077
CADMIUM (TOTAL)	13	13	0.10000	16.70000	mg/Kg (ppm)	4.54615	6.37451
CHROMIUM (TOTAL)	13	12	1.00000	108.00000	mg/Kg (ppm)	48.61462	34.18328
CHROMIUM, HEXAVALENT (+6)	13	6	0.05000	0.90000	mg/Kg (ppm)	0.22692	0.26269
COBALT (TOTAL)	13	12	0.50000	26.40000	mg/Kg (ppm)	13.55385	8.42631
COPPER (TOTAL)	13	13	24.10000	53.90000	mg/Kg (ppm)	33.06923	8.65153
LEAD (TOTAL)	13	12	1.00000	23.70000	mg/Kg (ppm)	10.51769	9.37264
MERCURY (TOTAL)	13	7	0.02000	0.53000	mg/Kg (ppm)	0.07846	0.13765
MOLYBDENUM (TOTAL)	13	12	0.50000	50.00000	mg/Kg (ppm)	10.14615	13.02054
NICKEL (TOTAL)	13	12	5.00000	216.00000	mg/Kg (ppm)	109.42308	70.89204
SILVER (TOTAL)	13	6	0.07000	4.00000	mg/Kg (ppm)	1.96692	1.05911
THALLIUM (TOTAL)	13	11	0.50000	9.30000	mg/Kg (ppm)	3.66154	3.07342
VANADIUM (TOTAL)	13	10	5.00000	58.50000	mg/Kg (ppm)	28.67692	19.75328
ZINC (TOTAL)	13	13	12.00000	88.60000	mg/Kg (ppm)	43.58462	25.96841
METHYLENE CHLORIDE	13	6	4.20000	17.90000	ug/Kg (ppb)	9.40769	6.10402
ACTINIUM-228	1	1	0.82000	0.82000	pCi/gram	0.82000	0.00000
GROSS ALPHA	13	13	0.80000	2.10000	pCi/gram	1.21538	0.40793
GROSS BETA	13	13	2.60000	6.30000	pCi/gram	4.13846	1.19062
LEAD-212	3	3	0.63000	0.81000	pCi/gram	0.72333	0.09018
LEAD-214	1	1	0.56000	0.56000	pCi/gram	0.56000	0.00000
POTASSIUM-40	6	6	5.76000	10.55000	pCi/gram	8.41167	1.60248
RADIUM-226	9	6	0.05000	1.06000	pCi/gram	0.45000	0.36817
STRONTIUM-90	13	4	0.02500	19.00000	pCi/gram	1.55500	5.24544
THALLIUM-208	3	3	0.52000	0.60000	pCi/gram	0.56667	0.04163
THORIUM-232	6	1	0.35000	0.80000	pCi/gram	0.42500	0.18371
TRITIUM	13	1	0.10000	0.50000	pCi/gram	0.13077	0.11094

TABLE F-11 (CON'T.)
STRONTIUM-90 LEACH FIELD

PARAMETER	NUMBER	NUMB_DET	SMALLEST	LARGEST	UNITS	MEAN	STD_DEV
NITROGEN, NITRATE (AS N)	21	21	1.80000	92.00000	mg/Kg (ppm)	23.75714	27.11407
ARSENIC (TOTAL)	21	21	2.40000	5.10000	mg/Kg (ppm)	3.62857	0.63257
BARIUM (TOTAL)	21	18	1.50000	152.00000	mg/Kg (ppm)	93.92857	43.82188
BERYLLIUM (TOTAL)	21	14	0.05000	0.50000	mg/Kg (ppm)	0.31190	0.17457
CADMIUM (TOTAL)	21	4	0.05000	0.90000	mg/Kg (ppm)	0.14048	0.25476
CHROMIUM (TOTAL)	21	21	20.70000	153.20000	mg/Kg (ppm)	64.78095	29.25267
CHROMIUM, HEXAVALENT (+6)	21	16	0.05000	7.00000	mg/Kg (ppm)	1.49286	1.90212
COBALT (TOTAL)	21	21	15.60000	38.40000	mg/Kg (ppm)	28.72857	5.46454
COPPER (TOTAL)	21	19	0.50000	8.00000	mg/Kg (ppm)	5.76667	2.01701
LEAD (TOTAL)	21	21	2.50000	8.00000	mg/Kg (ppm)	5.90476	1.27180
MERCURY (TOTAL)	21	14	0.02000	0.55000	mg/Kg (ppm)	0.12857	0.14647
NICKEL (TOTAL)	21	21	52.00000	271.00000	mg/Kg (ppm)	175.47143	66.72987
VANADIUM (TOTAL)	21	21	11.40000	22.00000	mg/Kg (ppm)	15.74286	3.02334
ZINC (TOTAL)	21	21	9.00000	120.00000	mg/Kg (ppm)	60.09524	18.92328
METHYLENE CHLORIDE	21	6	4.20000	22.90000	ug/Kg (ppb)	7.22857	5.38202
BISMUTH-214	2	2	0.30000	0.39000	pCi/gram	0.34500	0.06364
CESIUM-137	21	1	0.05000	0.10000	pCi/gram	0.05238	0.01091
GROSS ALPHA	21	13	0.15000	2.30000	pCi/gram	0.94286	0.77254
GROSS BETA	21	21	0.40000	7.60000	pCi/gram	3.87619	2.35964
LEAD-212	13	13	0.31000	0.64000	pCi/gram	0.41769	0.07726
LEAD-214	2	2	0.41000	0.46000	pCi/gram	0.43500	0.03536
POTASSIUM-40	21	21	4.16000	12.31000	pCi/gram	8.07190	1.93599
RADIUM-226	21	7	0.05000	0.75000	pCi/gram	0.19857	0.23911
THORIUM-232	21	2	0.35000	1.00000	pCi/gram	0.39762	0.15770

TABLE F-11 (CON'T)
RADIUM-226 SEEPAGE PITS

parameter	number	numb_det	smallest	largest	units	mean	std_dev
NITROGEN, NITRATE (AS N)	33	32	0.50000	736.00000	mg/Kg (ppm)	105.56364	192.12210
ANTIMONY (TOTAL)	33	7	0.50000	15.50000	mg/Kg (ppm)	3.07273	5.10639
ARSENIC (TOTAL)	33	32	0.50000	4.30000	mg/Kg (ppm)	2.83030	0.88476
BARIUM (TOTAL)	33	33	25.00000	262.00000	mg/Kg (ppm)	119.60303	51.09605
BERYLLIUM (TOTAL)	33	31	0.05000	2.40000	mg/Kg (ppm)	0.46970	0.42444
CADMIUM (TOTAL)	33	9	0.05000	24.10000	mg/Kg (ppm)	4.22424	8.25258
CHROMIUM (TOTAL)	33	33	9.30000	120.00000	mg/Kg (ppm)	47.36667	23.70456
CHROMIUM, HEXAVALENT (+6)	33	28	0.05000	5.00000	mg/Kg (ppm)	1.30758	1.40424
COBALT (TOTAL)	33	33	12.90000	38.40000	mg/Kg (ppm)	27.40909	6.13547
COPPER (TOTAL)	33	33	3.00000	50.00000	mg/Kg (ppm)	15.26970	13.91309
LEAD (TOTAL)	33	33	2.40000	19.30000	mg/Kg (ppm)	7.19697	5.33898
MERCURY (TOTAL)	33	11	0.02000	0.32000	mg/Kg (ppm)	0.05333	0.06542
MOLYBDENUM (TOTAL)	33	7	0.50000	10.90000	mg/Kg (ppm)	2.26061	3.52251
NICKEL (TOTAL)	33	33	38.50000	280.00000	mg/Kg (ppm)	166.33636	56.61556
THALLIUM (TOTAL)	33	2	0.50000	5.50000	mg/Kg (ppm)	1.09394	1.30526
VANADIUM (TOTAL)	33	33	13.00000	55.00000	mg/Kg (ppm)	32.25152	10.30364
ZINC (TOTAL)	33	33	41.00000	165.00000	mg/Kg (ppm)	63.59091	20.00279
METHYLENE CHLORIDE	33	13	4.20000	44.20000	ug/Kg (ppb)	10.44545	9.48176
BISMUTH-214	5	5	0.51000	3.03000	pCi/gram	1.48000	1.03904
CESIUM-137	33	2	0.05000	0.26000	pCi/gram	0.06212	0.04853
GROSS ALPHA	33	31	0.10000	2.10000	pCi/gram	1.09545	0.56986
GROSS BETA	33	33	1.40000	6.60000	pCi/gram	4.74848	1.43856
LEAD-210	1	1	0.81000	0.81000	pCi/gram	0.81000	0.00000
LEAD-212	10	10	0.37000	0.93000	pCi/gram	0.53500	0.19254
LEAD-214	6	6	0.66000	1.14000	pCi/gram	0.92667	0.19826
POTASSIUM-40	33	33	1.10000	17.24000	pCi/gram	8.72606	4.40221
RADIUM-226	32	19	0.05000	1.35000	pCi/gram	0.49844	0.41956
STRONTIUM-90	33	12	0.02500	0.61000	pCi/gram	0.10197	0.13964
THORIUM-232	33	14	0.35000	1.00000	pCi/gram	0.50758	0.21328
TRITIUM	33	1	0.10000	0.40000	pCi/gram	0.10909	0.05222

TABLE F-11 (CON'T.)
NORTH CHEMICAL DISPENSING AREA

PARAMETER	NUMBER	NUMB_DET	SMALLEST	LARGEST	UNITS	MEAN	STD_DEV
NITROGEN, NITRATE (AS N)	6	6	30.00000	49.00000	mg/Kg (ppm)	39.00000	6.98570
ARSENIC (TOTAL)	6	6	4.80000	5.60000	mg/Kg (ppm)	5.20000	0.30332
BARIUM (TOTAL)	6	6	48.00000	113.00000	mg/Kg (ppm)	77.66667	27.23723
BERYLLIUM (TOTAL)	6	5	0.50000	5.10000	mg/Kg (ppm)	2.70000	1.77876
CADMIUM (TOTAL)	6	2	0.05000	0.10000	mg/Kg (ppm)	0.06667	0.02582
CHROMIUM (TOTAL)	6	6	61.70000	87.30000	mg/Kg (ppm)	72.46667	10.61201
CHROMIUM, HEXAVALENT (+6)	6	6	0.50000	2.30000	mg/Kg (ppm)	1.23333	0.73666
COBALT (TOTAL)	6	6	18.50000	117.00000	mg/Kg (ppm)	41.25000	38.23474
COPPER (TOTAL)	6	4	0.50000	23.00000	mg/Kg (ppm)	11.50000	11.89117
LEAD (TOTAL)	6	6	4.20000	5.20000	mg/Kg (ppm)	4.81667	0.37103
MERCURY (TOTAL)	6	6	0.06000	0.67000	mg/Kg (ppm)	0.39333	0.21163
MOLYBDENUM (TOTAL)	6	2	0.50000	2.00000	mg/Kg (ppm)	0.83333	0.60553
NICKEL (TOTAL)	6	6	219.00000	297.00000	mg/Kg (ppm)	264.33333	29.70297
VANADIUM (TOTAL)	6	6	36.00000	52.00000	mg/Kg (ppm)	40.66667	6.28225
ZINC (TOTAL)	6	6	56.00000	62.00000	mg/Kg (ppm)	58.00000	2.28035
METHYLENE CHLORIDE	6	1	4.20000	9.70000	ug/Kg (ppb)	5.11667	2.24537
CHLORDANE	6	3	2.50000	70.00000	ug/Kg (ppb)	26.75000	27.26307
BISMUTH-214	3	3	0.39000	2.21000	pCi/gram	1.07667	0.98880
GROSS ALPHA	7	4	0.40000	1.40000	pCi/gram	0.87857	0.45631
GROSS BETA	7	7	2.80000	6.80000	pCi/gram	5.04286	1.33399
LEAD-212	2	2	0.40000	0.53000	pCi/gram	0.46500	0.09192
LEAD-214	2	2	0.47000	1.04000	pCi/gram	0.75500	0.40305
POTASSIUM-40	7	7	5.99000	13.68000	pCi/gram	10.42000	3.43298
RADIUM-226	7	3	0.05000	1.31000	pCi/gram	0.48286	0.53913
STRONTIUM-90	7	1	0.02500	0.10000	pCi/gram	0.03571	0.02835
THORIUM-232	7	1	0.35000	0.71000	pCi/gram	0.40143	0.13607
TRITIUM	7	2	0.10000	0.55000	pCi/gram	0.22857	0.21958

TABLE FG-11 (CON'T.)
SOUTHWEST CHEMICAL DISPENSING AREA

PARAMETER	NUMBER	NUMB_DET	SMALLEST	LARGEST	UNITS	MEAN	STD_DEV
NITROGEN, NITRATE (AS N)	22	22	0.23000	220.00000	mg/Kg (ppm)	42.65682	68.40655
ARSENIC (TOTAL)	22	20	0.50000	5.10000	mg/Kg (ppm)	2.97727	1.42057
BARIUM (TOTAL)	22	22	40.00000	181.00000	mg/Kg (ppm)	108.10909	31.10956
BERYLLIUM (TOTAL)	22	9	0.05000	4.80000	mg/Kg (ppm)	0.81818	1.20806
CADMIUM (TOTAL)	22	18	0.05000	10.70000	mg/Kg (ppm)	1.19545	2.30196
CHROMIUM (TOTAL)	22	21	5.00000	114.00000	mg/Kg (ppm)	61.65000	20.99113
CHROMIUM, HEXAVALENT (+6)	22	12	0.05000	1.56000	mg/Kg (ppm)	0.31182	0.41745
COBALT (TOTAL)	22	21	0.50000	35.00000	mg/Kg (ppm)	20.35455	8.18109
COPPER (TOTAL)	22	21	0.50000	63.00000	mg/Kg (ppm)	23.80000	22.69296
LEAD (TOTAL)	22	22	1.40000	9.69000	mg/Kg (ppm)	5.73591	1.89626
MERCURY (TOTAL)	22	22	0.04000	0.45000	mg/Kg (ppm)	0.17714	0.13780
MOLYBDENUM (TOTAL)	22	9	0.50000	57.00000	mg/Kg (ppm)	5.70455	13.11184
NICKEL (TOTAL)	22	21	5.00000	370.00000	mg/Kg (ppm)	191.57273	82.46502
SILVER (TOTAL)	22	2	0.50000	6.00000	mg/Kg (ppm)	16.54545	11.49939
THALLIUM (TOTAL)	22	7	0.05000	2.00000	mg/Kg (ppm)	0.92727	0.70369
VANADIUM (TOTAL)	22	22	16.00000	53.00000	mg/Kg (ppm)	24.62273	8.08278
ZINC (TOTAL)	22	22	17.00000	74.00000	mg/Kg (ppm)	55.78182	15.58264
METHYLENE CHLORIDE	22	9	4.20000	37.60000	ug/Kg (ppb)	11.30000	10.10026
DI-N-BUTYL PHTHALATE	22	7	41.50000	220.00000	ug/Kg (ppb)	78.75000	60.67061
BISMUTH-214	2	2	0.42000	1.38000	pCi/gram	0.90000	0.67882
GROSS ALPHA	22	13	0.30000	4.00000	pCi/gram	1.47273	1.18500
GROSS BETA	22	22	1.90000	8.20000	pCi/gram	4.59091	1.73258
LEAD-212	6	6	0.36000	0.69000	pCi/gram	0.61000	0.12681
POTASSIUM-40	22	21	0.90000	16.56000	pCi/gram	8.66977	3.74798
RADIUM-226	22	5	0.05000	0.90000	pCi/gram	0.16591	0.23468
STRONTIUM-90	22	6	0.02500	0.70000	pCi/gram	0.11182	0.17946
THORIUM-232	22	5	0.35000	1.44000	pCi/gram	0.45909	0.27162
TRITIUM	22	8	0.10000	5.55000	pCi/gram	1.18773	2.03561

TABLE F-11 (CON'T.)
DOG PEN SOILS (UCD-20, -21, -23, -24)

parameter	number	numb_det	smallest	largest	units	mean	std_dev
NITROGEN, NITRATE (AS N)	27	27	3.80000	18.20000	mg/Kg (ppm)	9.38519	4.72226
ANTIMONY (TOTAL)	27	26	2.50000	21.50000	mg/Kg (ppm)	13.77296	4.47543
ARSENIC (TOTAL)	27	25	0.50000	5.00000	mg/Kg (ppm)	2.49259	1.35076
BARIUM (TOTAL)	27	27	60.30000	320.00000	mg/Kg (ppm)	154.01852	48.35059
BERYLLIUM (TOTAL)	27	21	0.05000	0.50000	mg/Kg (ppm)	0.20741	0.13061
CADMIUM (TOTAL)	27	27	11.00000	26.70000	mg/Kg (ppm)	17.89259	4.48355
CHROMIUM (TOTAL)	27	27	36.30000	152.00000	mg/Kg (ppm)	91.18148	27.32555
CHROMIUM, HEXAVALENT (+6)	27	26	0.10000	3.98000	mg/Kg (ppm)	0.52963	0.73683
COBALT (TOTAL)	27	27	12.20000	31.50000	mg/Kg (ppm)	21.87037	4.48800
COPPER (TOTAL)	27	27	16.50000	69.50000	mg/Kg (ppm)	46.47037	10.88121
LEAD (TOTAL)	27	27	7.21000	73.10000	mg/Kg (ppm)	22.50778	17.32869
MERCURY (TOTAL)	27	21	0.02000	0.35000	mg/Kg (ppm)	0.09259	0.08374
MOLYBDENUM (TOTAL)	27	25	2.50000	13.70000	mg/Kg (ppm)	9.47444	2.75630
NICKEL (TOTAL)	27	27	64.70000	321.00000	mg/Kg (ppm)	178.50741	56.50423
THALLIUM (TOTAL)	27	10	2.50000	6.18000	mg/Kg (ppm)	3.59074	1.47438
VANADIUM (TOTAL)	27	27	24.20000	63.90000	mg/Kg (ppm)	49.77037	10.19871
ZINC (TOTAL)	27	27	25.40000	397.00000	mg/Kg (ppm)	79.88889	72.00800
METHYLENE CHLORIDE	27	1	4.20000	120.00000	ug/Kg (ppb)	8.48889	22.28572
DIETHYL PHTHALATE	27	5	365.00000	1200.00000	ug/Kg (ppb)	490.00000	276.40898
CHLORDANE	27	2	0.85000	360.00000	ug/Kg (ppb)	21.52778	77.73353
CESIUM-137	27	1	0.05000	0.10000	pCi/gram	0.05426	0.01350
GROSS ALPHA	27	26	0.15000	2.40000	pCi/gram	1.46852	0.58854
GROSS BETA	27	27	1.10000	4.70000	pCi/gram	2.45556	0.88158
MANGANESE-54	1	1	540.08000	540.08000	pCi/gram	540.08000	0.00000
POTASSIUM-40	27	27	1.00000	30.90000	pCi/gram	10.75778	6.90839
RADIUM-226	27	22	0.05000	1.40000	pCi/gram	0.50185	0.31271
STRONTIUM-90	27	4	0.02500	0.30000	pCi/gram	0.06648	0.08467
THORIUM-232	27	23	0.25000	1.40000	pCi/gram	0.63704	0.27547
TRITIUM	27	1	0.10000	0.60000	pCi/gram	0.11852	0.09623

TABLE F-11 (CON'T.)
DOG PEN SOILS (PS SAMPLES)

PARAMETER	NUMBER	NUMB_DET	SMALLEST	LARGEST	UNITS	MEAN	STD_DEV
NITROGEN, NITRATE (AS N)	55	55	1.40000	168.00000	mg/Kg (ppm)	14.10800	29.62426
CHLORDANE	55	15	0.25000	480.00000	ug/Kg (ppb)	10.91018	64.66758
CESIUM-137	55	2	0.05000	0.20000	pCi/gram	0.06727	0.02922
GROSS ALPHA	55	55	0.60000	5.30000	pCi/gram	1.77091	1.13146
GROSS BETA	55	55	2.90000	20.20000	pCi/gram	8.59091	3.80138
POTASSIUM-40	55	55	5.30000	15.40000	pCi/gram	10.41582	2.32001
RADIUM-226	54	15	0.05000	0.90000	pCi/gram	0.25093	0.23702
STRONTIUM-90	55	3	0.02500	0.22000	pCi/gram	0.04300	0.03434
THORIUM-232	54	12	0.05000	0.90000	pCi/gram	0.37870	0.16384
TRITIUM	55	15	0.05000	1.50000	pCi/gram	0.25182	0.26

TABLE F-11 (CON'T.)
AEC PROJECT AREA

PARAMETER	NUMBER	NUMB_DET	SMALLEST	LARGEST	UNITS	MEAN	STD_DEV
CHLORDANE	22	9	0.25000	67.00000	ug/Kg (ppb)	8.18409	15.90061
CARBON-14	22	1	0.25000	0.50000	pCi/gram	0.26136	0.05330

APPENDIX G

ANALYTICAL DATA TABLES
FOR
GROUNDWATER SAMPLES
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

APPENDIX G

ANALYTICAL DATA TABLES FOR GROUNDWATER SAMPLES PHASE II SITE CHARACTERIZATION LEHR ENVIRONMENTAL RESTORATION

This appendix presents data tables summarizing the results from groundwater sample analyses conducted during the Phase II LEHR Site Characterization. The results are presented in tabular form and are separated into five sections, representing five quarterly rounds of sampling, organized by analysis and sample location. Table G-1 identifies the monitoring wells sampled each quarter. Table G-1A presents design details for the monitoring wells at LEHR. Figure G-1 shows the locations for the groundwater monitoring wells at LEHR. The results of the analyses are presented by quarter as Tables G-2 through G-7. Table G-8 summarizes statistical data from the groundwater analyses results. Laboratory data sheets have been provided to EMO as Appendix M. The quarterly groundwater sampling rounds include:

Section 1	Fall Quarter, November 1990;	TABLE G-2
Section 2	Winter Quarter, February 1991;	TABLE G-3
Section 3	Spring Quarter, May 1991;	TABLE G-4
Section 4	Summer Quarter, August 1991; and	TABLE G-5
Section 5	Fall Quarter, November 1991.	TABLE G-6
Section 6	Summary of Statistical Data - Groundwater Samples	TABLE G-7

Groundwater sample analyses for in each of the quarterly sections are presented in the following order:

- Volatile Organic Compounds (EPA Method 8240);
- Semivolatile Organic Compounds (EPA Method 8270);
- Pesticides and PCBs (EPA Method 8080);
- Title 22 Metals;
- Radionuclides;
- Anions and Cations; and
- General Chemical Parameters.

TABLE G-1
GROUNDWATER SAMPLING SCHEDULE
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

Well	Fall Quarter October/November	Winter Quarter February	Spring Quarter May	Summer Quarter August	Fall Quarter November
UCD-1	SB	S	S	DRY	SB
UCD-4	DRY	S	S	DRY	SB
UCD-7	S	S	S	S	S
UCD-10	S	S	S	SP	S*
UCD-11	S	S	S*	DRY	S
UCD-12	SB	S*	S	DRY	S
UCD-13	SB	S	S	DRY	S
UCD-14	S	S	S	S*	S
UCD-15	S*	S	S	S	S
UCD-16	S	S	S	S	S
UCD-17	S	S	S	S	S
UCD-18	DS	S	S	S	S
UCD-19	DS	S	S	SB*	S
UCD-20	DS	S	S	S	S
UCD-21	DS	S	S	S	S
UCD-22	DS	S*	S	S	S*
UCD-23	DS	S	S*	S	S
UCD-24	DS*	S	S	S	S

S - Well purged and sampled with dedicated bladder or submersible pump. A full suite of samples was obtained.
* - Replicated well.
DS - Well was developed with a submersible pump, then sampled with a disposable bailer.
SB - Well was purged and/or sampled by bailer due to low water levels.
DRY - No water in well; no sample obtained.
SP - Only a partial sample suite recovered due to low water levels.

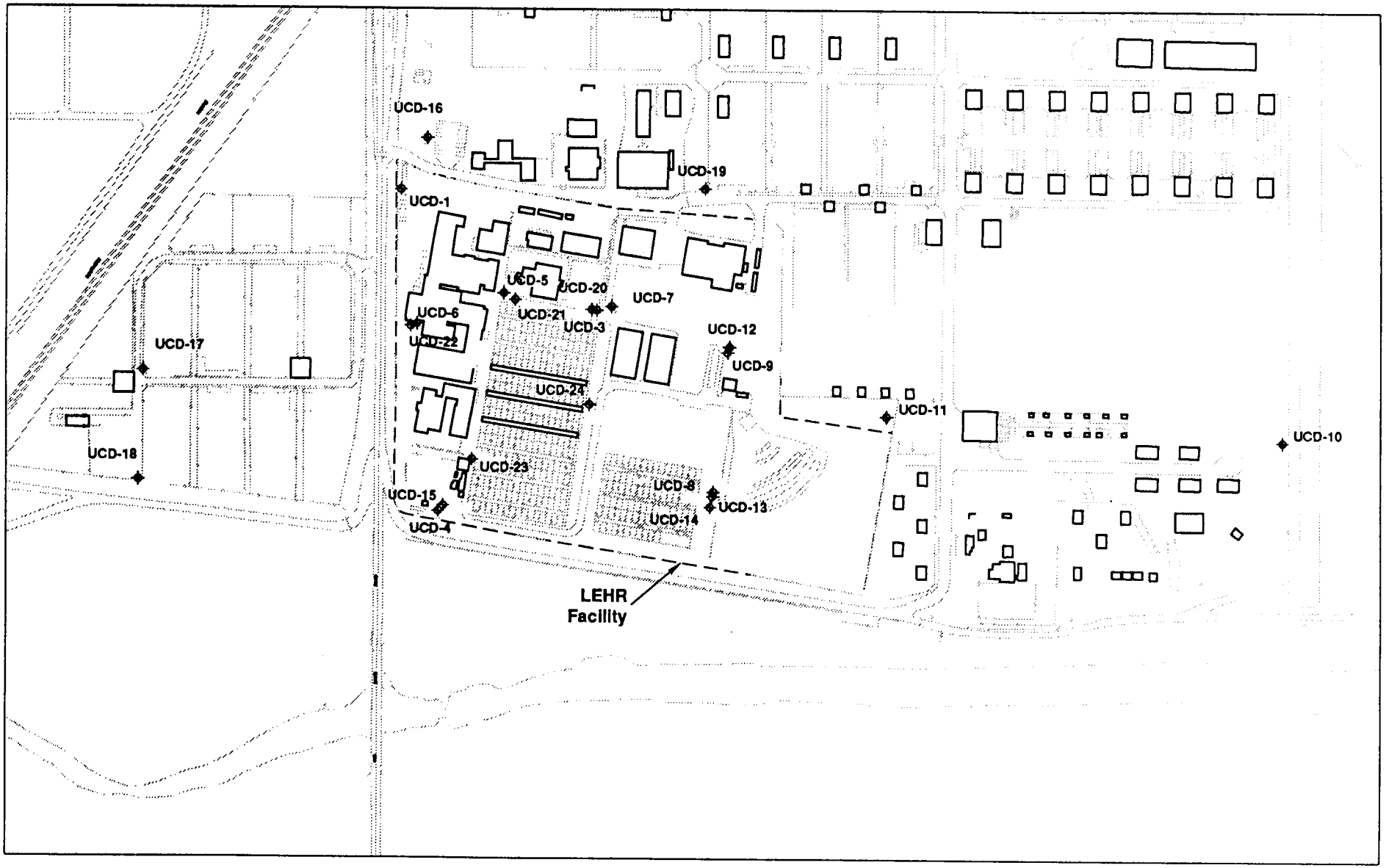
TABLE G-1A
SUMMARY OF MONITORING WELLS
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

Well Name	Total Depth	Screened Interval	HSU	Investigation	Date Completed
UCD-1	56.5	46.5 - 56.5	First	Wahler Associates 1989	10/09/87
UCD-2	Abandoned			Wahler Associates 1989	N/A
UCD-3	49.0	39.0 - 49.0	First	Wahler Associates 1989	10/23/87
UCD-4	57.2	45 - 55	First	Wahler Associates 1989	10/14/87
UCD-5	48.0	38.0 - 48.0	First	Wahler Associates 1989	10/22/87
UCD-6	50.0	40 - 50	First	Wahler Associates 1989	10/21/87
UCD-7	90	80 - 90	Second	Wahler Associates 1989	11/05/87
UCD-8	53.5	43.5 - 53.5	First	Wahler Associates 1988	11/03/87
UCD-9	50.0	40.0 - 50.0	First	Wahler Associates 1988	11/04/87
UCD-10	70.0	54 - 69	First	Dames & Moore SWAT, 1990	10/11/89
UCD-11	66.5	50 - 65	First	Dames & Moore SWAT, 1990	10/17/89
UCD-12	65.0	49.5 - 64.5	First	Dames & Moore SWAT, 1990	10/19/89
UCD-13	65.0	50 - 65	First	Dames & Moore SWAT, 1990	10/26/89
UCD-14	85	75 - 85	Second	Dames & Moore SWAT, 1990	11/15/89
UCD-15	120.5	91 - 116	Second	Dames & Moore DOE Phase II	03/28/90
UCD-16	122	92 - 117	Second	Dames & Moore DOE Phase II	04/04/90
UCD-17	143	88 - 113	Second	Dames & Moore DOE Phase II	04/10/90
UCD-18	70	54 - 69	First	Dames & Moore DOE Phase II	10/04/90

Well Name	Total Depth	Screened Interval	HSU	Investigation	Date Completed
UCD-19	74.5	71.5 - 56.5	First	Dames & Moore DOE Phase II	10/01/90
UCD-20	73	57 - 72	First	Dames & Moore DOE Phase II	10/09/90
UCD-21	73	57 - 72	First	Dames & Moore DOE Phase II	10/11/90
UCD-22	73	57 - 72	First	Dames & Moore DOE Phase II	10/25/90
UCD-23	73	56.5 - 71.5	First	Dames & Moore DOE Phase II	10/17/90
UCD-24	73	57 - 72	First	Dames & Moore DOE Phase II	10/22/90

NOTE: UCD-25 through UCD-28 were postponed pending findings of this Phase II Site Characterization Report. Locations of these monitoring wells may be changed to more accurately evaluate potential source areas.

HSU = Hydrostratigraphic Unit



EXPLANATION

Monitoring Wells

0 300

Scale in Feet

N

GROUNDWATER MONITORING WELL LOCATION MAP

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-165

FIGURE G-1

APPENDIX G
SECTION 1

FALL QUARTER, NOVEMBER 1990

TABLE G-2a - VOLATILE ORGANIC COMPOUNDS
TABLE G-2b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE G-2c - PESTICIDES AND PCBs
TABLE G-2d - METALS
TABLE G-2e - RADIONUCLIDES
TABLE G-2f - ANIONS AND CATIONS
TABLE G-2g - GENERAL CHEMICAL PARAMETERS

TABLE G-2a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	TRIP BLANK 10/30/90 TRAVEL CONTROL	TRIP BLANK 10/31/90 TRAVEL CONTROL	TRIP BLANK 11/01/90 TRAVEL CONTROL	TRIP BLANK 11/02/90 TRAVEL CONTROL	TRIP BLANK 11/06/90 TRAVEL CONTROL	TRIP BLANK 11/07/90 TRAVEL CONTROL	TRIP BLANK 11/08/90 TRAVEL CONTROL	TRIP BLANK 11/09/90 TRAVEL CONTROL
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	-	-	< 5.0	-	-	-	-	-
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	-	-	< 5.0	-	-	-	-	-
1,4-DICHLOROBENZENE	5.0	-	-	< 5.0	-	-	-	-	-
2-BUTANONE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-CHLOROETHYLVINYL ETHER	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-HEXANONE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
4-METHYL-2-PENTANONE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
ACETONE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-2a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
DATE		10/30/90	10/31/90	11/01/90	11/02/90	11/06/90	11/07/90	11/08/90	11/09/90
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON DISULFIDE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
STYRENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TOTAL XYLENES	1750.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

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H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-2a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
DATE		10/30/90	10/31/90	11/01/90	11/02/90	11/06/90	11/07/90	11/08/90	11/09/90
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
TRICHLOROFLUOROMETHANE	150.0	-	-	< 5.0	-	-	-	-	-
VINYL ACETATE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-2a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		UCD-01	UCD-07	UCD-10	UCD-11	UCD-12	UCD-13	UCD-14	UCD-15
DATE		11/02/90	10/29/90	11/08/90	11/05/90	10/31/90	11/01/90	11/01/90	11/08/90
QA	MCL ug/L								
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8 H	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8 H
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9 H	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9 H
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7 H	< 4.7	24.7	< 4.7	< 4.7	< 4.7 H
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8 H	< 2.8	53.8	< 2.8	< 2.8	< 2.8 H
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8 H	< 2.8	15.5	< 2.8	< 2.8	< 2.8 H
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0 H	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0 H
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H
2-BUTANONE	-	-	-	-	-	-	-	-	-
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H
2-HEXANONE	-	-	-	-	-	-	-	-	-
4-METHYL-2-PENTANONE	-	-	-	-	-	-	-	-	-
ACETONE	-	-	-	-	-	-	-	-	-
BENZENE	1.0	< 4.4	< 4.4	< 4.4 H	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4 H
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2 H	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2 H
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7 H	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-2a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-01 11/02/90	UCD-07 10/29/90	UCD-10 11/08/90	UCD-11 11/05/90	UCD-12 10/31/90	UCD-13 11/01/90	UCD-14 11/01/90	UCD-15 11/08/90
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0 H	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 H
CARBON DISULFIDE	-	-	-	-	-	-	-	-	-
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8 H	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8 H
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0 H	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0 H
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0 H	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 H
CHLOROFORM	100.0	< 1.6	< 1.6	2.8 H	< 1.6	2300.0	< 1.6	6.0	< 1.6 H
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0 H	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 H
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1 H	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1 H
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2 H	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2 H
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8 H	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8 H
STYRENE	5.0	-	-	-	-	-	-	-	-
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1 H	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1 H
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0 H	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0 H
TOTAL XYLENES	1750.0	-	-	-	-	-	-	-	-
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6 H	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6 H
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
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* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-2a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE		UCD-01	UCD-07	UCD-10	UCD-11	UCD-12	UCD-13	UCD-14	UCD-15
DATE		11/02/90	10/29/90	11/08/90	11/05/90	10/31/90	11/01/90	11/01/90	11/08/90
QA	MCL ug/L								
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H
VINYL ACETATE	-	-	-	-	-	-	-	-	-
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0 H	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
H = Exceeded recommended holding time.
MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-2a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE		UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21	UCD-22
DATE		11/08/90	11/09/90	11/09/90	10/31/90	10/30/90	11/01/90	11/02/90	11/07/90
QA	MCL	DUPLICATE							
	ug/L	SAMPLE							
1,1,1-TRICHLOROETHANE	200.0	< 3.8 H	< 3.8 H	< 3.8 H	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9 H	< 6.9 H	< 6.9 H	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-BUTANONE	-	-	-	-	-	-	-	-	-
2-CHLOROETHYLVINYL ETHER	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-HEXANONE	-	-	-	-	-	-	-	-	-
4-METHYL-2-PENTANONE	-	-	-	-	-	-	-	-	-
ACETONE	-	-	-	-	-	-	-	-	-
BENZENE	1.0	< 4.4 H	< 4.4 H	< 4.4 H	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
H = Exceeded recommended holding time.
MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-2a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE		UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21	UCD-22
DATE		11/08/90	11/09/90	11/09/90	10/31/90	10/30/90	11/01/90	11/02/90	11/07/90
QA	MCL	DUPLICATE							
	ug/L	SAMPLE							
BROMOMETHANE	-	< 10.0 H	< 10.0 H	< 10.0 H	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON DISULFIDE	-	-	-	-	-	-	-	-	-
CARBON TETRACHLORIDE	0.5	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0 H	< 10.0 H	< 10.0 H	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CHLOROFORM	100.0	< 1.6 H	< 1.6 H	< 1.6 H	10.3	< 1.6	< 1.6	2.4	< 1.6
CHLOROMETHANE	-	< 10.0 H	< 10.0 H	< 10.0 H	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1 H	< 3.1 H	< 3.1 H	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2 H	< 7.2 H	< 7.2 H	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
STYRENE	5.0	-	-	-	-	-	-	-	-
TETRACHLOROETHENE	5.0	< 4.1 H	< 4.1 H	< 4.1 H	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TOTAL XYLENES	1750.0	-	-	-	-	-	-	-	-
TRANS-1,2-DICHLOROETHANE	-	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
H = Exceeded recommended holding time.
MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-2a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE		UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21	UCD-22
DATE		11/08/90	11/09/90	11/09/90	10/31/90	10/30/90	11/01/90	11/02/90	11/07/90
QA	MCL	DUPLICATE							
	ug/L	SAMPLE							
TRICHLOROFLUOROMETHANE	150.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL ACETATE	-	-	-	-	-	-	-	-	-
VINYL CHLORIDE	0.5	< 2.0 H	< 2.0 H	< 2.0 H	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

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TABLE G-2a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		UCD-23	UCD-24	UCD-24B
DATE		11/05/90	11/06/90	11/06/90
QA	MCL			DUPLICATE
	ug/L			SAMPLE
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0
2-BUTANONE	-	-	-	-
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0
2-HEXANONE	-	-	-	-
4-METHYL-2-PENTANONE	-	-	-	-
ACETONE	-	-	-	-
BENZENE	1.0	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7

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TABLE G-2a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-23 11/05/90	UCD-24 11/06/90	UCD-24B 11/06/90 DUPLICATE SAMPLE
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0
CARBON DISULFIDE	-	-	-	-
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8
STYRENE	5.0	-	-	-
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0
TOTAL XYLENES	1750.0	-	-	-
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9

All units reported as ug/liter

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TABLE G-2a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		UCD-23	UCD-24	UCD-24B
DATE		11/05/90	11/06/90	11/06/90
QA	MCL ug/L			DUPLICATE SAMPLE
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0
VINYL ACETATE	-	-	-	-
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-2b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/02/90	UCD-07 10/29/90	UCD-10 11/08/90	UCD-11 11/05/90	UCD-12 10/31/90	UCD-13 11/01/90	UCD-14 11/01/90	UCD-15 11/08/90
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<17.0	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

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TABLE G-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/02/90	UCD-07 10/29/90	UCD-10 11/08/90	UCD-11 11/05/90	UCD-12 10/31/90	UCD-13 11/01/90	UCD-14 11/01/90	UCD-15 11/08/90
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	6.0	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3

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TABLE G-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/02/90	UCD-07 10/29/90	UCD-10 11/08/90	UCD-11 11/05/90	UCD-12 10/31/90	UCD-13 11/01/90	UCD-14 11/01/90	UCD-15 11/08/90
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	14.8	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2

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TABLE G-2b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/02/90	UCD-07 10/29/90	UCD-10 11/08/90	UCD-11 11/05/90	UCD-12 10/31/90	UCD-13 11/01/90	UCD-14 11/01/90	UCD-15 11/08/90
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0

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TABLE G-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/02/90	UCD-07 10/29/90	UCD-10 11/08/90	UCD-11 11/05/90	UCD-12 10/31/90	UCD-13 11/01/90	UCD-14 11/01/90	UCD-15 11/08/90
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-15 11/08/90 DUPLICATE SAMPLE	UCD-16 11/09/90	UCD-17 11/09/90	UCD-18 10/31/90	UCD-19 10/30/90	UCD-20 11/01/90	UCD-21 11/02/90	UCD-22 11/07/90
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
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MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
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TABLE G-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-15 11/08/90 DUPLICATE SAMPLE	UCD-16 11/09/90	UCD-17 11/09/90	UCD-18 10/31/90	UCD-19 10/30/90	UCD-20 11/01/90	UCD-21 11/02/90	UCD-22 11/07/90
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	13.4	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3

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TABLE G-2b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-15 11/08/90 DUPLICATE SAMPLE	UCD-16 11/09/90	UCD-17 11/09/90	UCD-18 10/31/90	UCD-19 10/30/90	UCD-20 11/01/90	UCD-21 11/02/90	UCD-22 11/07/90
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5	23.6	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	7.6	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2

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TABLE G-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-15 11/08/90 DUPLICATE SAMPLE	UCD-16 11/09/90	UCD-17 11/09/90	UCD-18 10/31/90	UCD-19 10/30/90	UCD-20 11/01/90	UCD-21 11/02/90	UCD-22 11/07/90
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0

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TABLE G-2b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-15 11/08/90 DUPLICATE SAMPLE	UCD-16 11/09/90	UCD-17 11/09/90	UCD-18 10/31/90	UCD-19 10/30/90	UCD-20 11/01/90	UCD-21 11/02/90	UCD-22 11/07/90
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

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TABLE G-2b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-23 11/05/90	UCD-24 11/06/90	UCD-24B 11/06/90 DUPLICATE SAMPLE
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<17.0	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7

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TABLE G-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-23 11/05/90	UCD-24 11/06/90	UCD-24B 11/06/90 DUPLICATE SAMPLE
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	5.0	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3

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TABLE G-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-23 11/05/90	UCD-24 11/06/90	UCD-24B 11/06/90 DUPLICATE SAMPLE
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	10.0	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2

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TABLE G-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-23 11/05/90	UCD-24 11/06/90	UCD-24B 11/06/90 DUPLICATE SAMPLE
FLUORENE	-	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
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TABLE G-2b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-23 11/05/90	UCD-24 11/06/90	UCD-24B 11/06/90 DUPLICATE SAMPLE
PCB-1242	0.50	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-2c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		UCD-01 11/02/90	UCD-07 10/29/90	UCD-10 11/08/90	UCD-11 11/05/90	UCD-12 10/31/90	UCD-13 11/01/90	UCD-14 11/01/90	UCD-15 11/08/90
4,4'-DDD	-		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004	<0.004	0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
DIELDRIN	-		<0.002	<0.002	<0.002	<0.002	<0.002	0.021	<0.002	<0.002
ENDOSULFAN I	-		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.008
HEPTACHLOR	0.01		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-2c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-01 11/02/90	UCD-07 10/29/90	UCD-10 11/08/90	UCD-11 11/05/90	UCD-12 10/31/90	UCD-13 11/01/90	UCD-14 11/01/90	UCD-15 11/08/90
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-2c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
ORGANOCHLORINE PESTICIDES and PCBs
EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-15 11/08/90 DUPLICATE SAMPLE	UCD-16 11/09/90	UCD-17 11/09/90	UCD-18 10/31/90	UCD-19 10/30/90	UCD-20 11/01/90	UCD-21 11/02/90	UCD-22 11/07/90
4,4'-DDD	-	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05 c	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70 c	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
BETA-BHC	0.30 c	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
DIELDRIN	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-2c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-15 11/08/90 DUPLICATE SAMPLE	UCD-16 11/09/90	UCD-17 11/09/90	UCD-18 10/31/90	UCD-19 10/30/90	UCD-20 11/01/90	UCD-21 11/02/90	UCD-22 11/07/90
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-2c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		UCD-23 11/05/90	UCD-24 11/06/90	UCD-24B 11/06/90 DUPLICATE SAMPLE
4,4'-DDD	-		<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	<0.003	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009
DIELDRIN	-		<0.002	<0.002	<0.002
ENDOSULFAN I	-		<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-2c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-23 11/05/90	UCD-24 11/06/90	UCD-24B 11/06/90 DUPLICATE SAMPLE
PCB-1221	0.50	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-2d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE			UCD-01	UCD-07	UCD-10	UCD-11	UCD-12	UCD-13	UCD-14	UCD-15
DATE			11/02/90	10/29/90	11/08/90	11/05/90	10/31/90	11/01/90	11/01/90	11/08/90
QA	MCL ug/L									
ANTIMONY (TOTAL)	5	*	310.0	100.0	330.0	240.0	260.0	280.0	170.0	190.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		200.0	160.0	< 30.0	120.0	400.0	180.0	150.0	160.0
BERYLLIUM (TOTAL)	1	*	< 1.0	1.0	2.0	1.0	1.0	< 1.0	2.0	5.0
CADMIUM (TOTAL)	10		2.0	< 1.0	< 1.0	< 1.0	2.0	1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		< 30.0	< 30.0	< 30.0	280.0	140.0	100.0	40.0	70.0
CHROMIUM, HEXAVALENT (+6)	-		80.0 H	40.0	30.0 H	400.0 H	160.0 H	70.0 H	30.0 H	10.0 H
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		260.0	60.0	250.0	150.0	170.0	210.0	100.0	140.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	10.0	< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	270.0	80.0	250.0	180.0	200.0	220.0	150.0	140.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		40.0	< 30.0	< 30.0	< 30.0	< 30.0	30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-2d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		UCD-15 11/08/90 DUPLICATE SAMPLE	UCD-16 11/09/90	UCD-17 11/09/90	UCD-18 10/31/90	UCD-19 10/30/90	UCD-20 11/01/90	UCD-21 11/02/90	UCD-22 11/07/90
ANTIMONY (TOTAL)	5	*	150.0	190.0	200.0	120.0	120.0	120.0	340.0	260.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		160.0	150.0	150.0	50.0	30.0	130.0	120.0	60.0
BERYLLIUM (TOTAL)	1	*	5.0	5.0	6.0	3.0	1.0	3.0	< 1.0	1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	1.0	2.0	1.0	1.0	1.0
CHROMIUM (TOTAL)	50		50.0	150.0	50.0	< 30.0	160.0	60.0	< 30.0	< 30.0
CHROMIUM, HEXAVALENT (+6)	-		10.0 H	30.0 H	20.0 H	10.0 H	200.0 H	70.0 H	90.0 H	10.0 H
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	< 1.0	< 1.0	1.0	3.0	< 1.0	1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	0.5	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		130.0	120.0	130.0	90.0	90.0	70.0	240.0	170.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0	10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	150.0	150.0	150.0	120.0	110.0	110.0	280.0	200.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0	40.0	< 30.0	30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-2d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE			UCD-23	UCD-24	UCD-24B
DATE			11/05/90	11/06/90	11/06/90
QA	MCL				DUPLICATE
	ug/L				SAMPLE
ANTIMONY (TOTAL)	5	*	190.0	270.0	260.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		80.0	170.0	150.0
BERYLLIUM (TOTAL)	1	*	3.0	2.0	1.0
CADMIUM (TOTAL)	10		< 1.0	1.0	2.0
CHROMIUM (TOTAL)	50		< 30.0	< 30.0	< 30.0
CHROMIUM, HEXAVALENT (+6)	-		20.0 H	60.0	70.0
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		140.0	190.0	180.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	150.0	210.0	200.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-2e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-01	UCD-07	UCD-10	UCD-11	UCD-12	UCD-13	UCD-14	UCD-15
DATE		11/02/90	10/29/90	11/08/90	11/05/90	10/31/90	11/01/90	11/01/90	11/08/90
QA	MCL pCi/L								
GAMMA SPECTRAL ANALYSIS	-	< 0.1	< 0.1	< 0.1	< 1.0	< 0.1	< 0.1	< 0.1	< 0.1
GROSS ALPHA	15	27.0	4.0	< 2.0	< 2.0	7.0	< 2.0	< 2.0	< 2.0
GROSS ALPHA/ERROR	-	+/- 15.0	+/- 3.0	-	-	+/- 6.0	-	-	-
GROSS BETA	50	62.0	9.0	< 3.0	< 3.0	8.0	9.0	3.0	< 3.0
GROSS BETA/ERROR	-	+/- 8.0	+/- 3.0	-	-	+/- 3.0	+/- 3.0	+/- 2.0	-
STRONTIUM-90	8	< 0.5	< 15.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
STRONTIUM-90/ERROR	-	-	-	-	-	-	-	-	-
TRITIUM	20000	< 500.0	< 500.0	< 500.0	1382.0	1172.0	29066.0	3864.0	< 500.0
TRITIUM/ERROR	-	-	-	-	+/-573.0	+/-572.0	+/-899.0	+/-612.0	-

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL.

TABLE G-2e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21	UCD-22
DATE		11/08/90	11/09/90	11/09/90	10/31/90	10/30/90	11/01/90	11/02/90	11/07/90
QA	MCL	DUPLICATE							
	pCi/L	SAMPLE							
GAMMA SPECTRAL ANALYSIS	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
GROSS ALPHA	15	< 2.0	< 2.0	< 2.0	3.0	< 2.0	< 2.0	5.0	3.0
GROSS ALPHA/ERROR	-	-	-	-	+/- 2.0	-	-	+/- 4.0	+/- 2.0
GROSS BETA	50	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	5.0	6.0	10.0
GROSS BETA/ERROR	-	-	-	-	-	-	+/- 2.0	+/- 4.0	+/- 3.0
STRONTIUM-90	8	4.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
STRONTIUM-90/ERROR	-	+/- 3.2	-	-	-	-	-	-	-
TRITIUM	20000	< 500.0	< 500.0	< 500.0	1618.0	1100.0	1573.0	< 500.0	< 500.0
TRITIUM/ERROR	-	-	-	-	+/-571.0	+/-500.0	+/-575.0	-	-

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL.

TABLE G-2e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-23	UCD-24	UCD-24B
DATE		11/05/90	11/06/90	11/06/90
QA	MCL pCi/L			DUPLICATE SAMPLE
GAMMA SPECTRAL ANALYSIS	-	< 1.0	< 0.1	< 0.1
GROSS ALPHA	15	< 2.0	4.0	5.0
GROSS ALPHA/ERROR	-	-	+/- 3.0	+/- 4.0
GROSS BETA	50	6.0	6.0	6.0
GROSS BETA/ERROR	-	+/- 3.0	+/- 5.0	+/- 5.0
STRONTIUM-90	8	< 0.5	< 0.5	2.6
STRONTIUM-90/ERROR	-	-	-	+/- 1.5
TRITIUM	20000	< 500.0	1231.0	1305.0
TRITIUM/ERROR	-	-	+/-569.0	+/-572.0

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

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* = Proposed USEPA MCL.

TABLE G-2f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE		UCD-01	UCD-07	UCD-10	UCD-11	UCD-12	UCD-13	UCD-14	UCD-15
DATE		11/02/90	10/29/90	11/08/90	11/05/90	10/31/90	11/01/90	11/01/90	11/08/90
QA	MCL ug/L								
CALCIUM (TOTAL)	-	46800	39500	52000	37600	90100	83300	53700	44100
CHLORIDE	-	35600	26100	27500	45900	375000	40900	30700	20500
MAGNESIUM (TOTAL)	-	86000	65900	157000	73700	250000	168000	89000	58300
NITROGEN, NITRATE (AS N)	10000	10300	10900	11600	4700	106000	15400	9400	2400
PHOSPHATE, TOTAL (AS P)	-	300	< 100	200	1000	500	600	700	100
POTASSIUM (TOTAL)	-	1300	700	1800	1700	3700	2900	1300	700
SODIUM (TOTAL)	-	39100	50700	157000	67900	115000	57700	46300	27400
SULFATE	400000*	64600	45200	392000	56400	167000	125100	75400	39300

All units reported as ug/liter

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* = Proposed USEPA MCL.

TABLE G-2f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	UCD-15 11/08/90 DUPLICATE SAMPLE	UCD-16 11/09/90	UCD-17 11/09/90	UCD-18 10/31/90	UCD-19 10/30/90	UCD-20 11/01/90	UCD-21 11/02/90	UCD-22 11/07/90
CALCIUM (TOTAL)	-	44700	35300	42600	32700	45200	63500	54800	31700
CHLORIDE	-	20400	19300	18800	28700	21300	25900	35600	46100
MAGNESIUM (TOTAL)	-	58600	57700	60600	60800	103000	138000	99100	48000
NITROGEN, NITRATE (AS N)	10000	2300	2700	2300	2300	18900	51300	40100	5000
PHOSPHATE, TOTAL (AS P)	-	300	200	200	200	< 100	1000	400	200
POTASSIUM (TOTAL)	-	700	1000	600	2900	4100	2900	3400	5100
SODIUM (TOTAL)	-	27500	21700	10400	42900	77000	63900	94300	92100
SULFATE	400000*	39000	46000	38400	50000	117000	76000	94700	43000

All units reported as ug/liter

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< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-2f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	UCD-23 11/05/90	UCD-24 11/06/90	UCD-24B 11/06/90 DUPLICATE SAMPLE
CALCIUM (TOTAL)	-	32500	47300	47400
CHLORIDE	-	43500	40600	42000
MAGNESIUM (TOTAL)	-	53700	86000	85900
NITROGEN, NITRATE (AS N)	10000	3300	44700	42300
PHOSPHATE, TOTAL (AS P)	-	100	100	300
POTASSIUM (TOTAL)	-	2200	3400	3500
SODIUM (TOTAL)	-	39100	73600	74800
SULFATE	400000*	37000	70100	74900

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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* = Proposed USEPA MCL.

TABLE G-2g

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF CHEMICAL ANALYSES OF GROUNDWATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
UCD-01	11/02/90		704	24.00	818	0.000	<500	6.82	1001	18.1
UCD-07	10/29/90		389	32.00	510	0.550	<500	7.29	810	19.1
UCD-10	11/08/90		704	1.20	1300	2.630 H	<500	7.52	1530	18.0
UCD-11	11/05/90		451	0.00	766	0.093 H	<500	6.97	990	18.5
UCD-12	10/31/90		766	38.00	2000	81.000 H	<500	7.32	2480	18.7
UCD-13	11/01/90		836 H	8.00	1010	40.500 H	<500	7.34	1039	18.5
UCD-14	11/01/90		466 H	3.15	694	1.910 H	<500	7.11	733	19.0
UCD-15	11/08/90		297	2.00	448	0.345 H	<500	7.79	649	18.3
UCD-15	11/08/90	D	396	4.00	462	0.461 H	<500	-	-	-
UCD-16	11/09/90		407	1.20	486	0.598 H	<500	7.37	660	18.4
UCD-17	11/09/90		352	2.00	490	0.183 H	<500	7.37	670	18.8
UCD-18	10/31/90		396	32.00	432	279.000 H	<500	7.69	720	19.2
UCD-19	10/30/90		653	20.00	786	150.000	<500	7.54	1217	20.3
UCD-20	11/01/90		704 H	6.30	920	152.000 H	<500	7.53	1360	19.5
UCD-21	11/02/90		627	4.00	1090	451.000	<500	7.41	1442	20.5
UCD-22	11/07/90		385	17.60	580	226.000 H	<500	7.50	820	20.0
UCD-23	11/05/90		407	18.00	524	192.000 H	<500	7.63	775	20.6
UCD-24	11/06/90		539	12.80	922	586.000	<500	7.41	1090	20.1
UCD-24B	11/06/90	D	473	7.20	900	627.000	<500	-	-	-

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample. T = Travel control blank. - = Parameter not analyzed.

pH-F = pH measured in the field.

EC-F = electroconductivity as measured in the field.

H = Exceeded recommended holding time.

APPENDIX G
SECTION 2

WINTER QUARTER, FEBRUARY 1991

TABLE G-3a - VOLATILE ORGANIC COMPOUNDS
TABLE G-3b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE G-3c - PESTICIDES AND PCBs
TABLE G-3d - METALS
TABLE G-3e - RADIONUCLIDES
TABLE G-3f - ANIONS AND CATIONS
TABLE G-3g - GENERAL CHEMICAL PARAMETERS

TABLE G-3a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-01	TRIP BLANK-02	TRIP BLANK-03	TRIP BLANK-04	TRIP BLANK-05	TRIP BLANK-06	TRIP BLANK-07	TRIP BLANK-0
DATE		02/04/91	02/04/91	02/05/91	02/05/91	02/05/91	02/05/91	02/06/91	02/06/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	9.7	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL. # = USEPA MCL effective July 30,1992.

TABLE G-3a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-01	TRIP BLANK-02	TRIP BLANK-03	TRIP BLANK-04	TRIP BLANK-05	TRIP BLANK-06	TRIP BLANK-07	TRIP BLANK-08
DATE		02/04/91	02/04/91	02/05/91	02/05/91	02/05/91	02/05/91	02/06/91	02/06/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	3.4	3.4	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30,1992.

TABLE G-3a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-09	TRIP BLANK-10	TRIP BLANK-11	TRIP BLANK-12	TRIP BLANK-13	TRIP BLANK-14	UCD-01	UCD-04
DATE		02/06/91	02/07/91	02/07/91	02/11/91	02/11/91	02/12/91	02/07/91	02/07/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL		
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30,1992.

TABLE G-3a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-09	TRIP BLANK-10	TRIP BLANK-11	TRIP BLANK-12	TRIP BLANK-13	TRIP BLANK-14	UCD-01	UCD-04
DATE		02/06/91	02/07/91	02/07/91	02/11/91	02/11/91	02/12/91	02/07/91	02/07/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL		
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	< 1.6	5.2	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-3a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91	UCD-14 02/12/91	UCD-15 02/04/91
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 380.0	< 380.0	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 690.0	< 690.0	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 500.0	< 500.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 470.0	< 470.0	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 280.0	< 280.0	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 500.0	< 500.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 280.0	< 280.0	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 600.0	< 600.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 500.0	< 500.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 500.0	< 500.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 500.0	< 500.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 440.0	< 440.0	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 220.0	< 220.0	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 470.0	< 470.0	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 1000.0	< 1000.0	< 10.0	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 280.0	< 280.0	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 600.0	< 600.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 1000.0	< 1000.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
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TABLE G-3a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91	UCD-14 02/12/91	UCD-15 02/04/91
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	21000.0	24000.0	< 1.6	5.3	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 1000.0	< 1000.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 500.0	< 500.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 310.0	< 310.0	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 720.0	< 720.0	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	< 280.0	< 280.0	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 410.0	< 410.0	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 600.0	< 600.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 160.0	< 160.0	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 500.0	< 500.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 190.0	< 190.0	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 500.0	< 500.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 200.0	< 200.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-3a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-16 02/04/91	UCD-17 02/05/91	UCD-18 02/04/91	UCD-19 02/06/91	UCD-20 02/06/91	UCD-21 02/05/91	UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

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TABLE G-3a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-16 02/04/91	UCD-17 02/05/91	UCD-18 02/04/91	UCD-19 02/06/91	UCD-20 02/06/91	UCD-21 02/05/91	UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE
CHLOROFORM	100.0	< 1.6	< 1.6	2.5	< 1.6	< 1.6	3.3	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	3.9	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

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TABLE G-3a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		UCD-23		UCD-24	
DATE		02/06/91		02/05/91	
QA	MCL ug/L				
1,1,1-TRICHLOROETHANE	200.0	<	3.8	<	3.8
1,1,2,2-TETRACHLOROETHANE	1.0	<	6.9	<	6.9
1,1,2-TRICHLOROETHANE	32.0	<	5.0	<	5.0
1,1-DICHLOROETHANE	5.0	<	4.7	<	4.7
1,1-DICHLOROETHENE	6.0	<	2.8	<	2.8
1,2-DICHLOROBENZENE	600.0*	<	5.0	<	5.0
1,2-DICHLOROETHANE	0.5	<	2.8	<	2.8
1,2-DICHLOROPROPANE	5.0	<	6.0	<	6.0
1,3-DICHLOROBENZENE	-	<	5.0	<	5.0
1,4-DICHLOROBENZENE	5.0	<	5.0	<	5.0
2-CHLOROETHYLVINYL ETHER	-	<	5.0	<	5.0
BENZENE	1.0	<	4.4	<	4.4
BROMODICHLOROMETHANE	100.0	<	2.2	<	2.2
BROMOFORM	100.0	<	4.7	<	4.7
BROMOMETHANE	-	<	10.0	<	10.0
CARBON TETRACHLORIDE	0.5	<	2.8	<	2.8
CHLOROBENZENE	30.0	<	6.0	<	6.0
CHLOROETHANE	-	<	10.0	<	10.0

All units reported as ug/liter

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TABLE G-3a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		UCD-23	UCD-24
DATE		02/06/91	02/05/91
QA	MCL ug/L		
CHLOROFORM	100.0	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-3b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

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MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-3b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3

All units reported as ug/liter

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TABLE G-3b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	8.1	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	13.0
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2

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TABLE G-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0

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TABLE G-3b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

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TABLE G-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 02/12/91	UCD-15 02/04/91	UCD-16 02/04/91	UCD-17 02/05/91	UCD-18 02/04/91	UCD-19 02/06/91	UCD-20 02/06/91	UCD-21 02/05/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

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TABLE G-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 02/12/91	UCD-15 02/04/91	UCD-16 02/04/91	UCD-17 02/05/91	UCD-18 02/04/91	UCD-19 02/06/91	UCD-20 02/06/91	UCD-21 02/05/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3

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TABLE G-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 02/12/91	UCD-15 02/04/91	UCD-16 02/04/91	UCD-17 02/05/91	UCD-18 02/04/91	UCD-19 02/06/91	UCD-20 02/06/91	UCD-21 02/05/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	3.1	6.0	< 2.5	3.2	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-3b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 02/12/91	UCD-15 02/04/91	UCD-16 02/04/91	UCD-17 02/05/91	UCD-18 02/04/91	UCD-19 02/06/91	UCD-20 02/06/91	UCD-21 02/05/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
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TABLE G-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		02/12/91	02/04/91	02/04/91	02/05/91	02/04/91	02/06/91	02/06/91	02/05/91
QA	MCL ug/L								
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE	UCD-23 02/06/91	UCD-24 02/05/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7

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TABLE G-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE	UCD-23 02/06/91	UCD-24 02/05/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3

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TABLE G-3b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE	UCD-23 02/06/91	UCD-24 02/05/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	33.3	< 2.5	26.4	6.2
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2

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TABLE G-3b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE	UCD-23 02/06/91	UCD-24 02/05/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0

All units reported as ug/liter

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TABLE G-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE	UCD-23 02/06/91	UCD-24 02/05/91
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

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TABLE G-3c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
4,4'-DDD	-		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004	<0.004	0.007	<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.006	<0.004
ALPHA-BHC	0.70	c	0.006	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006	<0.006	<0.006	0.007	0.012	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
DIELDRIN	-		<0.002	<0.002	<0.002	<0.002	<0.002	0.005	0.005	0.025
ENDOSULFAN I	-		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.020
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	0.028	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	0.008	<0.003	0.009	0.007	0.007	0.007
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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TABLE G-3c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

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TABLE G-3c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		02/12/91	02/04/91	02/04/91	02/05/91	02/04/91	02/06/91	02/06/91	02/05/91
QA	MCL ug/L								
4,4'-DDD	-	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-	<0.004	<0.004	<0.004	0.008	<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05 c	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70 c	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.006
BETA-BHC	0.30 c	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
DIELDRIN	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01	0.007	<0.003	<0.003	0.004	<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-3c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		02/12/91	02/04/91	02/04/91	02/05/91	02/04/91	02/06/91	02/06/91	02/05/91
QA	MCL								
	ug/L								
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-3c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE			UCD-22	UCD-22	UCD-23	UCD-24
DATE			02/05/91	02/05/91	02/06/91	02/05/91
QA	MCL			DUPLICATE		
	ug/L			SAMPLE		
4,4'-DDD	-		<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-		0.006	<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	<0.003	<0.003	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009	<0.009
DIELDRIN	-		<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-		<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-3c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE	UCD-23 02/06/91	UCD-24 02/05/91
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-3d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L	UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
ANTIMONY (TOTAL)	5 *	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
ARSENIC (TOTAL)	50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000	180.0	250.0	190.0	< 30.0	120.0	560.0	560.0	280.0
BERYLLIUM (TOTAL)	1 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10	< 1.0	< 1.0	< 1.0	7.0	< 1.0	1.0	1.0	1.0
CHROMIUM (TOTAL)	50	39.0	15.0	38.0	29.0	377.0	177.0	178.0	56.0
CHROMIUM, HEXAVALENT (+6)	-	90.0	30.0	50.0	20.0 H	230.0 H	80.0 H	80.0 H	60.0
COBALT (TOTAL)	-	< 30.0	< 30.0	< 30.0	< 10.0	< 10.0	< 10.0	< 30.0	< 30.0
COPPER (TOTAL)	1300 *	< 30.0	30.0	< 30.0	< 30.0	< 30.0	30.0	< 30.0	< 30.0
LEAD (TOTAL)	50	< 1.0	< 1.0	< 1.0	1.0	< 1.0	< 1.0	1.0	< 1.0
MERCURY (TOTAL)	2	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
NICKEL (TOTAL)	100 *	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2 *	30.0	30.0	< 30.0	30.0	< 30.0	50.0	70.0	80.0
VANADIUM (TOTAL)	-	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0
ZINC (TOTAL)	-	30.0	< 30.0	< 30.0	30.0	30.0	40.0	30.0	40.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed MCL.

TABLE G-3d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L	UCD-14 02/12/91	UCD-15 02/04/91	UCD-16 02/04/91	UCD-17 02/05/91	UCD-18 02/04/91	UCD-19 02/06/91	UCD-20 02/06/91	UCD-21 02/05/91
ANTIMONY (TOTAL)	5 *	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
ARSENIC (TOTAL)	50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000	120.0	130.0	130.0	130.0	< 30.0	< 30.0	130.0	120.0
BERYLLIUM (TOTAL)	1 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10	3.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50	< 10.0	11.0	26.0	25.0	< 10.0	298.0	78.0	58.0
CHROMIUM, HEXAVALENT (+6)	-	20.0	10.0	30.0	30.0 A	10.0	290.0	90.0	60.0
COBALT (TOTAL)	-	< 30.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
COPPER (TOTAL)	1300 *	< 30.0	< 30.0	< 30.0	30.0	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2	0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
NICKEL (TOTAL)	100 *	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2 *	30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 50.0	< 30.0
VANADIUM (TOTAL)	-	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0	<100.0
ZINC (TOTAL)	-	30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed MCL.

TABLE G-3d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE	UCD-23 02/06/91	UCD-24 02/05/91
ANTIMONY (TOTAL)	5	*	< 10.0	< 10.0	< 10.0	< 10.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		< 30.0	< 30.0	< 30.0	50.0
BERYLLIUM (TOTAL)	1	*	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10		1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		< 10.0	< 10.0	< 10.0	31.0
CHROMIUM, HEXAVALENT (+6)	-		< 10.0	< 10.0	20.0	40.0
COBALT (TOTAL)	-		< 10.0	< 10.0	< 10.0	< 10.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		< 10.0	< 10.0	< 10.0	< 10.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	< 30.0	< 30.0	< 30.0	< 30.0
VANADIUM (TOTAL)	-		<100.0	<100.0	<100.0	<100.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed MCL.

TABLE G-3e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE DATE QA	MCL pCi/L	UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
GAMMA SPECTRAL ANALYSIS	-	< 9.0	< 8.8	< 17.0	< 17.0	< 18.0	< 15.0	< 9.9	< 17.0
GROSS ALPHA	15	< 2.0	< 2.0	< 2.0	6.0	< 2.0	3.0	< 2.0	< 2.0
GROSS ALPHA/ERROR	-	-	-	-	+/- 5.0	-	+/- 2.0	-	-
GROSS BETA	50	< 3.0	< 3.0	3.0	10.0	< 3.0	< 3.0	< 3.0	6.0
GROSS BETA/ERROR	-	-	-	+/- 2.0	+/- 5.0	-	-	-	+/- 2.0
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.9
STRONTIUM-90/ERROR	-	-	-	-	-	-	-	-	+/- 0.7
TRITIUM	20000	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	28744.0
TRITIUM/ERROR	-	-	-	-	-	-	-	-	+/-884.0

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

NOTE: Tritium values for UCD-13 and UCD-14 were transposed in lab report. See text for explanation.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-3e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		02/12/91	02/04/91	02/04/91	02/05/91	02/04/91	02/06/91	02/06/91	02/05/91
QA	MCL pCi/L								
GAMMA SPECTRAL ANALYSIS	-	< 17.0	< 14.0	< 10.0	< 17.0	< 14.0	< 13.0	< 18.0	< 18.0
GROSS ALPHA	15	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.0	< 2.0
GROSS ALPHA/ERROR	-	-	-	-	-	-	-	+/- 2.0	-
GROSS BETA	50	7.0	5.0	9.0	< 3.0	6.0	4.0	5.0	< 3.0
GROSS BETA/ERROR	-	+/- 2.0	+/- 3.0	+/- 3.0	-	+/- 3.0	+/- 3.0	+/- 3.0	-
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
STRONTIUM-90/ERROR	-	-	-	-	-	-	-	-	-
TRITIUM	20000	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0
TRITIUM/ERROR	-	-	-	-	-	-	-	-	-

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

NOTE: Tritium values for UCD-13 and UCD-14 were transposed in lab report. See text for explanation.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-3e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-22	UCD-22	UCD-23	UCD-24
DATE		02/05/91	02/05/91	02/06/91	02/05/91
QA	MCL		DUPLICATE		
	pCi/L		SAMPLE		
GAMMA SPECTRAL ANALYSIS	-	< 17.0	< 16.0	< 11.0	< 14.0
GROSS ALPHA	15	3.0	< 2.0	< 2.0	< 2.0
GROSS ALPHA/ERROR	-	+/- 2.0	-	-	-
GROSS BETA	50	3.0	3.0	< 3.0	6.0
GROSS BETA/ERROR	-	+/- 2.0	+/- 2.0	-	+/- 3.0
STRONTIUM-90	8	< 0.5	< 0.5	0.8	< 0.5
STRONTIUM-90/ERROR	-	-	-	+/- 0.7	-
TRITIUM	20000	< 500.0	< 500.0	< 500.0	< 500.0
TRITIUM/ERROR	-	-	-	-	-

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

NOTE: Tritium values for UCD-13 and UCD-14 were transposed in lab report. See text for explanation.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-3f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	UCD-01 02/07/91	UCD-04 02/07/91	UCD-07 02/07/91	UCD-10 02/11/91	UCD-11 02/11/91	UCD-12 02/11/91	UCD-12 02/11/91 DUPLICATE SAMPLE	UCD-13 02/12/91
CALCIUM (TOTAL)	-	56100	52100	43100	46600	40400	102000	100000	65700
CHLORIDE	-	18800	52700	27500	28100	52500	443000	455000	41700
MAGNESIUM (TOTAL)	-	144000	75600	77800	143000	97800	231000	301000	148000
NITROGEN, NITRATE (AS N)	10000	13200	2400	20000	15600	27600	123000	119000	17500
PHOSPHATE, TOTAL (AS P)	-	200	300	400	400	500	600	800	400
POTASSIUM (TOTAL)	-	1120	1260	< 1000	1800	1420	4760	4490	2080
SODIUM (TOTAL)	-	33800	34900	44000	134000	65600	107000	101000	53300
SULFATE	400000*	66000	40700	52200	458000	58000	52200	131000	116000

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

A = Anomalous value possibly due to error in sample handling or analysis.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed MCL.

TABLE G-3f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		02/12/91	02/04/91	02/04/91	02/05/91	02/04/91	02/06/91	02/06/91	02/05/91
QA	MCL ug/L								
CALCIUM (TOTAL)	-	34100	38500	32200	< 1000 A	30600	49800	56400	56800
CHLORIDE	-	29600	20800	20300	17700	24600	12600	29800	25500
MAGNESIUM (TOTAL)	-	62300	62600	56700	62300	72700	142000	151000	144000
NITROGEN, NITRATE (AS N)	10000	4200	3100	1800	3100	2000	12700	64900	49700
PHOSPHATE, TOTAL (AS P)	-	400	< 100	100	100	100	200	200	100
POTASSIUM (TOTAL)	-	1060	< 1000	< 1000	< 1000	1260	1770	2960	2410
SODIUM (TOTAL)	-	36300	27500	46600	30400	32400	65700	69700	88400
SULFATE	400000*	48300	39000	41600	41900	35600	92200	75700	87500

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

A = Anomalous value possibly due to error in sample handling or analysis.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed MCL.

TABLE G-3f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	UCD-22 02/05/91	UCD-22 02/05/91 DUPLICATE SAMPLE	UCD-23 02/06/91	UCD-24 02/05/91
CALCIUM (TOTAL)	-	26300	29500	30000	45300
CHLORIDE	-	39400	39500	36400	28700
MAGNESIUM (TOTAL)	-	52100	51200	63500	116000
NITROGEN, NITRATE (AS N)	10000	1000	1300	2700	51500
PHOSPHATE, TOTAL (AS P)	-	100	100	200	200
POTASSIUM (TOTAL)	-	1980	2070	1790	2600
SODIUM (TOTAL)	-	71600	70800	35800	70100
SULFATE	400000*	38200	40100	36700	70000

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

A = Anomalous value possibly due to error in sample handling or analysis.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed MCL.

TABLE G-3g

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF CHEMICAL ANALYSES OF GROUNDWATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
UCD-01	02/07/91		714.0	0.79	804	46.900	<500	6.94	1627	17.72
UCD-04	02/07/91		446.0	8.73	563	3.680	<500	7.26	1154	16.94
UCD-07	02/07/91		446.0	1.99	614	1.390	<500	7.51	1220	18.17
UCD-10	02/11/91		653.0	1.99	1340	85.700	<500	7.23	22500	16.67
UCD-11	02/11/91		505.0	1.99	757	17.400	<500	7.79	1472	16.50
UCD-12	02/11/91		< 1.0 A	3.98	2840	49.700	<500	7.63	4090	17.56
UCD-12	02/11/91	D	< 1.0 A	12.00	2970	47.200	<500	-	-	-
UCD-13	02/12/91		< 1.0 A,H	7.97	1050	16.200	<500	7.04	1865	18.67
UCD-14	02/12/91		25.5 A,H	5.98	491	4.730	<500	7.60	912	16.78
UCD-15	02/04/91		359.0	7.45	439	0.164	<500	7.74	889	16.11
UCD-16	02/04/91		376.0	124.00	455	0.534	<500	7.75	887	15.00
UCD-17	02/05/91		368.0	1.57	453	0.056	<500	7.57	897	16.72
UCD-18	02/04/91		376.0	7.45	443	1.750	<500	7.64	926	16.56
UCD-19	02/06/91		765.0	120.00	857	0.334	<500	7.53	1660	18.06
UCD-20	02/06/91		597.0	9.41	1010	0.197	<500	7.42	1920	16.39
UCD-21	02/05/91		690.0	4.70	1020	0.643	<500	7.34	1989	18.22
UCD-22	02/05/91		376.0	0.78	465	0.298	<500	7.56	1050	19.00
UCD-22	02/05/91	D	393.0	14.10	473	0.199	<500	-	-	-
UCD-23	02/06/91		423.0	52.40	457	1.034	<500	7.64	1011	18.17
UCD-24	02/05/91		499.0	2.35	848	0.387	<500	7.42	1665	18.39

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample. T = Travel control blank. - = Parameter not analyzed.

pH-F = pH measured in the field.

EC-F = electroconductivity as measured in the field.

H = Exceeded recommended holding time. A = Anomalous value possibly due to error in sample handling or analysis.

APPENDIX G
SECTION 3

SPRING QUARTER, MAY 1991

TABLE G-4a - VOLATILE ORGANIC COMPOUNDS
TABLE G-4b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE G-4c - PESTICIDES AND PCBs
TABLE G-4d - METALS
TABLE G-4e - RADIONUCLIDES
TABLE G-4f - ANIONS AND CATIONS
TABLE G-4g - GENERAL CHEMICAL PARAMETERS

TABLE G-4a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-05	TRIP BLANK-06	TRIP BLANK-07	TRIP BLANK-08	TRIP BLANK-09	TRIP BLANK-10	TRIP BLANK-11	TRIP BLANK-1
DATE		05/13/91	05/14/91	05/14/91	05/15/91	05/15/91	05/15/91	05/15/91	05/16/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8 H	< 3.8 H	< 3.8 H	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9 H	< 6.9 H	< 6.9 H	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4 H	< 4.4 H	< 4.4 H	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0 H	< 10.0 H	< 10.0 H	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0 H	< 10.0 H	< 10.0 H	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-4a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-05	TRIP BLANK-06	TRIP BLANK-07	TRIP BLANK-08	TRIP BLANK-09	TRIP BLANK-10	TRIP BLANK-11	TRIP BLANK-1
DATE		05/13/91	05/14/91	05/14/91	05/15/91	05/15/91	05/15/91	05/15/91	05/16/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0 H	< 10.0 H	< 10.0 H	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1 H	< 3.1 H	< 3.1 H	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2 H	< 7.2 H	< 7.2 H	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8	3.4
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1 H	< 4.1 H	< 4.1 H	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0 H	< 2.0 H	< 2.0 H	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-4a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE		TRIP BLANK-13	TRIP BLANK-14	TRIP BLANK-15	TRIP BLANK-16	TRIP BLANK-17	UCD-01	UCD-04	UCD-07
DATE		05/21/91	05/21/91	05/21/91	05/20/91	05/20/91	05/20/91	05/15/91	05/20/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL			
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8 H	< 3.8 H	< 3.8 H
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9 H	< 6.9 H	< 6.9 H
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7 H	< 4.7 H	< 4.7 H
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0 H	< 6.0 H	< 6.0 H
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4 H	< 4.4 H	< 4.4 H
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2 H	< 2.2 H	< 2.2 H
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7 H	< 4.7 H	< 4.7 H
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 H	< 10.0 H	< 10.0 H
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0 H	< 6.0 H	< 6.0 H
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 H	< 10.0 H	< 10.0 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
H = Exceeded recommended holding time.
MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
* = Proposed USEPA MCL.

TABLE G-4a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-13	TRIP BLANK-14	TRIP BLANK-15	TRIP BLANK-16	TRIP BLANK-17	UCD-01	UCD-04	UCD-07
DATE		05/21/91	05/21/91	05/21/91	05/20/91	05/20/91	05/20/91	05/15/91	05/20/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL			
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
CHLOROFORM	100.0	< 1.6	5.0	4.9	< 1.6	< 1.6	< 1.6 H	< 1.6 H	< 1.6 H
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0 H	< 10.0 H	< 10.0 H
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1 H	< 3.1 H	< 3.1 H
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2 H	< 7.2 H	< 7.2 H
METHYLENE CHLORIDE	5.0*	3.7	< 2.8	< 2.8	4.6	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1 H	< 4.1 H	< 4.1 H
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0 H	< 6.0 H	< 6.0 H
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6 H	< 1.6 H	< 1.6 H
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9 H	< 1.9 H	< 1.9 H
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 H	< 2.0 H	< 2.0 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL.

TABLE G-4a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91	UCD-14 05/21/91	UCD-15 05/13/91	UCD-16 05/14/91
1,1,1-TRICHLOROETHANE	200.0	< 3.8 H	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9 H	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7 H	< 4.7	< 4.7	23.0	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8 H	< 2.8	< 2.8	3.9	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8 H	< 2.8	< 2.8	19.0	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0 H	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4 H	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2 H	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7 H	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0 H	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8 H	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0 H	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0 H	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL.

TABLE G-4a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91	UCD-14 05/21/91	UCD-15 05/13/91	UCD-16 05/14/91
CHLOROFORM	100.0	< 1.6 H	< 1.6	< 1.6	18000.0	< 1.6	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0 H	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1 H	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2 H	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8 H	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1 H	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0 H	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6 H	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0 H	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

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* = Proposed USEPA MCL.

TABLE G-4a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-17 05/13/91	UCD-18 05/13/91	UCD-19 05/15/91	UCD-20 05/15/91	UCD-21 05/14/91	UCD-22 05/15/91	UCD-23 05/15/91	UCD-23 05/15/91 DUPLICATE SAMPLE
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8 H	< 3.8 H	< 3.8	< 3.8 H	< 3.8 H	< 3.8 H
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9 H	< 6.9 H	< 6.9	< 6.9 H	< 6.9 H	< 6.9 H
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7 H	< 4.7 H	< 4.7	< 4.7 H	< 4.7 H	< 4.7 H
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0 H	< 6.0 H	< 6.0	< 6.0 H	< 6.0 H	< 6.0 H
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
BENZENE	1.0	< 4.4	< 4.4	< 4.4 H	< 4.4 H	< 4.4	< 4.4 H	< 4.4 H	< 4.4 H
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2 H	< 2.2 H	< 2.2	< 2.2 H	< 2.2 H	< 2.2 H
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7 H	< 4.7 H	< 4.7	< 4.7 H	< 4.7 H	< 4.7 H
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0 H	< 10.0 H	< 10.0	< 10.0 H	< 10.0 H	< 10.0 H
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0 H	< 6.0 H	< 6.0	< 6.0 H	< 6.0 H	< 6.0 H
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0 H	< 10.0 H	< 10.0	< 10.0 H	< 10.0 H	< 10.0 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

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* = Proposed USEPA MCL.

TABLE G-4a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-17 05/13/91	UCD-18 05/13/91	UCD-19 05/15/91	UCD-20 05/15/91	UCD-21 05/14/91	UCD-22 05/15/91	UCD-23 05/15/91	UCD-23 05/15/91 DUPLICATE SAMPLE
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6 H	< 1.6 H	2.7	< 1.6 H	< 1.6 H	< 1.6 H
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0 H	< 10.0 H	< 10.0	< 10.0 H	< 10.0 H	< 10.0 H
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1 H	< 3.1 H	< 3.1	< 3.1 H	< 3.1 H	< 3.1 H
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2 H	< 7.2 H	< 7.2	< 7.2 H	< 7.2 H	< 7.2 H
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8 H	< 2.8 H	< 2.8	< 2.8 H	< 2.8 H	< 2.8 H
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1 H	< 4.1 H	< 4.1	< 4.1 H	< 4.1 H	< 4.1 H
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0 H	< 6.0 H	< 6.0	< 6.0 H	< 6.0 H	< 6.0 H
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6 H	< 1.6 H	< 1.6	< 1.6 H	< 1.6 H	< 1.6 H
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9 H
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0 H
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0 H	< 2.0 H	< 2.0	< 2.0 H	< 2.0 H	< 2.0 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-4a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		UCD-24	
DATE		05/14/91	
QA	MCL ug/L		
1,1,1-TRICHLOROETHANE	200.0	<	3.8
1,1,2,2-TETRACHLOROETHANE	1.0	<	6.9
1,1,2-TRICHLOROETHANE	32.0	<	5.0
1,1-DICHLOROETHANE	5.0	<	4.7
1,1-DICHLOROETHENE	6.0	<	2.8
1,2-DICHLOROBENZENE	600.0*	<	5.0
1,2-DICHLOROETHANE	0.5	<	2.8
1,2-DICHLOROPROPANE	5.0	<	6.0
1,3-DICHLOROBENZENE	-	<	5.0
1,4-DICHLOROBENZENE	5.0	<	5.0
2-CHLOROETHYLVINYL ETHER	-	<	5.0
BENZENE	1.0	<	4.4
BROMODICHLOROMETHANE	100.0	<	2.2
BROMOFORM	100.0	<	4.7
BROMOMETHANE	-	<	10.0
CARBON TETRACHLORIDE	0.5	<	2.8
CHLOROBENZENE	30.0	<	6.0
CHLOROETHANE	-	<	10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-4a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE			UCD-24
DATE			05/14/91
QA	MCL		
	ug/L		
CHLOROFORM	100.0		3.5
CHLOROMETHANE	-	<	10.0
CIS-1,3-DICHLOROPROPENE	-	<	5.0
DIBROMOCHLOROMETHANE	100.0	<	3.1
ETHYL BENZENE	680.0	<	7.2
METHYLENE CHLORIDE	5.0*	<	2.8
TETRACHLOROETHENE	5.0	<	4.1
TOLUENE	1000.0#	<	6.0
TRANS-1,2-DICHLOROETHANE	-	<	1.6
TRANS-1,3-DICHLOROPROPENE	-	<	5.0
TRICHLOROETHENE	5.0	<	1.9
TRICHLOROFLUOROMETHANE	150.0	<	5.0
VINYL CHLORIDE	0.5	<	2.0

All units reported as ug/liter

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TABLE G-4b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 05/20/91	UCD-04 05/15/91	UCD-07 05/20/91	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4 H	< 4.4	< 4.4 H	< 4.4 H	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7 H	< 2.7	< 2.7 H	< 2.7 H	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7 H	< 2.7	< 2.7 H	< 2.7 H	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7 H	< 2.7	< 2.7 H	< 2.7 H	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0 H	<42.0	<42.0 H	<42.0 H	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7 H	< 5.7	< 5.7 H	< 5.7 H	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3 H	< 3.3	< 3.3 H	< 3.3 H	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0 H	<24.0	<24.0 H	<24.0 H	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6 H	< 3.6	< 3.6 H	< 3.6 H	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5 H	<16.5	<16.5 H	<16.5 H	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8 H	< 2.8	< 2.8 H	< 2.8 H	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6 H	< 5.6	< 5.6 H	< 5.6 H	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7 H	< 4.7	< 4.7 H	< 4.7 H	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

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TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 05/20/91	UCD-04 05/15/91	UCD-07 05/20/91	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0 H	< 3.0	< 3.0 H	< 3.0 H	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2 H	< 4.2	< 4.2 H	< 4.2 H	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4 H	< 2.4	< 2.4 H	< 2.4 H	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5 H	< 3.5	< 3.5 H	< 3.5 H	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0 H	<44.0	<44.0 H	<44.0 H	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8 H	< 7.8	< 7.8 H	< 7.8 H	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5 H	< 2.5	< 2.5 H	< 2.5 H	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8 H	< 4.8	< 4.8 H	< 4.8 H	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1 H	< 4.1	< 4.1 H	< 4.1 H	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5 H	< 2.5	< 2.5 H	< 2.5 H	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5 H	< 2.5	< 2.5 H	< 2.5 H	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2 H	< 4.2	< 4.2 H	< 4.2 H	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3 H	< 5.3	< 5.3 H	< 5.3 H	< 5.3	< 5.3	< 5.3	< 5.3

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TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 05/20/91	UCD-04 05/15/91	UCD-07 05/20/91	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7 H	< 5.7	< 5.7 H	< 5.7 H	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5 H	< 2.5	< 2.5 H	< 2.5 H	10.0	24.3	< 2.5	11.0
BIS(2-ISOPROPYL)ETHER	-	< 5.7 H	< 5.7	< 5.7 H	< 5.7 H	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0 H	<10.0	<10.0 H	<10.0 H	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5 H	< 2.5	< 2.5 H	< 2.5 H	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1 H	< 3.1	< 3.1 H	< 3.1 H	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5 H	< 2.5	< 2.5 H	< 2.5 H	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5 H	< 2.5	< 2.5 H	< 2.5 H	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5 H	< 2.5	< 2.5 H	< 2.5 H	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5 H	< 2.5	< 2.5 H	< 2.5 H	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0 H	<22.0	<22.0 H	<22.0 H	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6 H	< 1.6	< 1.6 H	< 1.6 H	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0 H	< 3.0	< 3.0 H	< 3.0 H	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6 H	< 5.6	< 5.6 H	< 5.6 H	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5 H	< 1.5	< 1.5 H	< 1.5 H	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0 H	< 7.0	< 7.0 H	< 7.0 H	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2 H	< 2.2	< 2.2 H	< 2.2 H	< 2.2	< 2.2	< 2.2	< 2.2

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 05/20/91	UCD-04 05/15/91	UCD-07 05/20/91	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91
FLUORENE	-	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2 H	< 2.2	< 2.2 H	< 2.2 H	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9 H	< 0.9	< 0.9 H	< 0.9 H	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0 H	<10.0	<10.0 H	<10.0 H	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6 H	< 1.6	< 1.6 H	< 1.6 H	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7 H	< 3.7	< 3.7 H	< 3.7 H	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2 H	< 2.2	< 2.2 H	< 2.2 H	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6 H	< 4.6	< 4.6 H	< 4.6 H	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0 H	<10.0	<10.0 H	<10.0 H	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0 H	< 5.0	< 5.0 H	< 5.0 H	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6 H	< 1.6	< 1.6 H	< 1.6 H	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0 H	<30.0	<30.0 H	<30.0 H	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0 H	<30.0	<30.0 H	<30.0 H	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0 H	<30.0	<30.0 H	<30.0 H	<30.0	<30.0	<30.0	<30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 05/20/91	UCD-04 05/15/91	UCD-07 05/20/91	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91
PCB-1242	0.50	<40.0 H	<40.0	<40.0 H	<40.0 H	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0 H	<40.0	<40.0 H	<40.0 H	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0 H	<40.0	<40.0 H	<40.0 H	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0 H	<40.0	<40.0 H	<40.0 H	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6 H	< 3.6	< 3.6 H	< 3.6 H	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4 H	< 5.4	< 5.4 H	< 5.4 H	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5 H	< 1.5	< 1.5 H	< 1.5 H	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9 H	< 1.9	< 1.9 H	< 1.9 H	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0 H	<10.0	<10.0 H	<10.0 H	<10.0	<10.0	<10.0	<10.0

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TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 05/21/91	UCD-15 05/13/91	UCD-16 05/14/91	UCD-17 05/13/91	UCD-18 05/13/91	UCD-19 05/15/91	UCD-20 05/15/91	UCD-21 05/14/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

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TABLE G-4b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 05/21/91	UCD-15 05/13/91	UCD-16 05/14/91	UCD-17 05/13/91	UCD-18 05/13/91	UCD-19 05/15/91	UCD-20 05/15/91	UCD-21 05/14/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3

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TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 05/21/91	UCD-15 05/13/91	UCD-16 05/14/91	UCD-17 05/13/91	UCD-18 05/13/91	UCD-19 05/15/91	UCD-20 05/15/91	UCD-21 05/14/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	17.5	< 2.5	< 2.5	< 2.5	< 2.5	4.6	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2

All units reported as ug/liter

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TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 05/21/91	UCD-15 05/13/91	UCD-16 05/14/91	UCD-17 05/13/91	UCD-18 05/13/91	UCD-19 05/15/91	UCD-20 05/15/91	UCD-21 05/14/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0

All units reported as ug/liter

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H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 05/21/91	UCD-15 05/13/91	UCD-16 05/14/91	UCD-17 05/13/91	UCD-18 05/13/91	UCD-19 05/15/91	UCD-20 05/15/91	UCD-21 05/14/91
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 05/15/91	UCD-23 05/15/91	UCD-23 05/15/91 DUPLICATE SAMPLE	UCD-24 05/14/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 05/15/91	UCD-23 05/15/91	UCD-23 05/15/91 DUPLICATE SAMPLE	UCD-24 05/14/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 05/15/91	UCD-23 05/15/91	UCD-23 05/15/91 DUPLICATE SAMPLE	UCD-24 05/14/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2

All units reported as ug/liter

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TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 05/15/91	UCD-23 05/15/91	UCD-23 05/15/91 DUPLICATE SAMPLE	UCD-24 05/14/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 05/15/91	UCD-23 05/15/91	UCD-23 05/15/91 DUPLICATE SAMPLE	UCD-24 05/14/91
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-4c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-01 05/20/91	UCD-04 05/15/91	UCD-07 05/20/91	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91
4,4'-DDD	-	<0.0110	<0.0110	<0.0110	<0.0110	<0.0110	<0.0110	<0.0110	<0.0110
4,4'-DDE	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
4,4'-DDT	-	<0.0120	<0.0120	<0.0120	<0.0120	<0.0120	<0.0120	<0.0120	<0.0120
ALDRIN	0.05 c	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
ALPHA-BHC	0.70 c	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
BETA-BHC	0.30 c	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
CHLORDANE	0.10	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140
DELTA-BHC	-	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	0.1290	<0.0090
DIELDRIN	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
ENDOSULFAN I	-	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140
ENDOSULFAN II	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
ENDOSULFAN SULFATE	-	<0.0660	<0.0660	<0.0660	<0.0660	<0.0660	<0.0660	<0.0660	<0.0660
ENDRIN	0.20	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
ENDRIN ALDEHYDE	-	<0.0230	<0.0230	<0.0230	<0.0230	<0.0230	<0.0230	<0.0230	<0.0230
GAMMA-BHC	4.00	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.0437	<0.0040
HEPTACHLOR	0.01	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
HEPTACHLOR EPOXIDE	0.01	<0.0830	<0.0830	<0.0830	<0.0830	<0.0830	<0.0830	<0.0830	<0.0830
PCB-1016	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-4c (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
ORGANOCHLORINE PESTICIDES and PCBs
EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-01 05/20/91	UCD-04 05/15/91	UCD-07 05/20/91	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91
PCB-1221	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1232	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1242	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1248	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1254	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1260	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
TOXAPHENE	5.00	<0.2400	<0.2400	<0.2400	<0.2400	<0.2400	<0.2400	<0.2400	<0.2400

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
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TABLE G-4c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		05/21/91	05/13/91	05/14/91	05/13/91	05/13/91	05/15/91	05/15/91	05/14/91
QA	MCL ug/L								
4,4'-DDD	-	<0.0110	<0.0110	<0.0110	<0.0110	<0.0110	<0.0110	<0.0110	<0.0110
4,4'-DDE	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
4,4'-DDT	-	<0.0120	<0.0120	<0.0120	<0.0120	<0.0120	<0.0120	<0.0120	<0.0120
ALDRIN	0.05 c	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
ALPHA-BHC	0.70 c	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
BETA-BHC	0.30 c	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
CHLORDANE	0.10	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140
DELTA-BHC	-	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090
DIELDRIN	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
ENDOSULFAN I	-	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140	<0.0140
ENDOSULFAN II	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
ENDOSULFAN SULFATE	-	<0.0660	<0.0660	<0.0660	<0.0660	<0.0660	<0.0660	<0.0660	<0.0660
ENDRIN	0.20	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
ENDRIN ALDEHYDE	-	<0.0230	<0.0230	<0.0230	<0.0230	<0.0230	<0.0230	<0.0230	<0.0230
GAMMA-BHC	4.00	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
HEPTACHLOR	0.01	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
HEPTACHLOR EPOXIDE	0.01	<0.0830	<0.0830	<0.0830	<0.0830	<0.0830	<0.0830	<0.0830	<0.0830
PCB-1016	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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• = Proposed USEPA MCL.

TABLE G-4c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		05/21/91	05/13/91	05/14/91	05/13/91	05/13/91	05/15/91	05/15/91	05/14/91
QA	MCL ug/L								
PCB-1221	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1232	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1242	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1248	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1254	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1260	0.50	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500	<0.2500
TOXAPHENE	5.00	<0.2400	<0.2400	<0.2400	<0.2400	<0.2400	<0.2400	<0.2400	<0.2400

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-4c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE			UCD-22	UCD-23	UCD-23	UCD-24
DATE			05/15/91	05/15/91	05/15/91	05/14/91
QA	MCL				DUPLICATE	
	ug/L				SAMPLE	
4,4'-DDD	-		<0.0110	<0.0110	<0.0110	<0.0110
4,4'-DDE	-		<0.0040	<0.0040	<0.0040	<0.0040
4,4'-DDT	-		<0.0120	<0.0120	<0.0120	<0.0120
ALDRIN	0.05	c	<0.0040	<0.0040	<0.0040	<0.0040
ALPHA-BHC	0.70	c	<0.0030	<0.0030	<0.0030	<0.0030
BETA-BHC	0.30	c	<0.0060	<0.0060	<0.0060	<0.0060
CHLORDANE	0.10		<0.0140	<0.0140	<0.0140	<0.0140
DELTA-BHC	-		<0.0090	<0.0090	<0.0090	<0.0090
DIELDRIN	-		<0.0020	<0.0020	<0.0020	<0.0020
ENDOSULFAN I	-		<0.0140	<0.0140	<0.0140	<0.0140
ENDOSULFAN II	-		<0.0040	<0.0040	<0.0040	<0.0040
ENDOSULFAN SULFATE	-		<0.0660	<0.0660	<0.0660	<0.0660
ENDRIN	0.20		<0.0060	<0.0060	<0.0060	<0.0060
ENDRIN ALDEHYDE	-		<0.0230	<0.0230	<0.0230	<0.0230
GAMMA-BHC	4.00		<0.0040	<0.0040	<0.0040	<0.0040
HEPTACHLOR	0.01		<0.0030	<0.0030	<0.0030	<0.0030
HEPTACHLOR EPOXIDE	0.01		<0.0830	<0.0830	<0.0830	<0.0830
PCB-1016	0.50		<0.2500	<0.2500	<0.2500	<0.2500

All units reported as ug/liter

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TABLE G-4c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-22 05/15/91	UCD-23 05/15/91	UCD-23 05/15/91 DUPLICATE SAMPLE	UCD-24 05/14/91
PCB-1221	0.50	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1232	0.50	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1242	0.50	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1248	0.50	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1254	0.50	<0.2500	<0.2500	<0.2500	<0.2500
PCB-1260	0.50	<0.2500	<0.2500	<0.2500	<0.2500
TOXAPHENE	5.00	<0.2400	<0.2400	<0.2400	<0.2400

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-4d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L	UCD-01 05/20/91	UCD-04 05/15/91	UCD-07 05/20/91	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91
ANTIMONY (TOTAL)	5 *	3.0	5.0	31.0	4.0	5.0	7.0	20.0	11.0
ARSENIC (TOTAL)	50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000	160.0	230.0	190.0	< 30.0	150.0	150.0	500.0	220.0
BERYLLIUM (TOTAL)	1 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50	< 30.0	< 30.0	70.0	40.0	330.0	320.0	200.0	100.0
CHROMIUM, HEXAVALENT (+6)	-	20.0	260.0	90.0	20.0	340.0	330.0	200.0	80.0
COBALT (TOTAL)	-	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
COPPER (TOTAL)	1300 *	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2	< 0.4 H	< 0.4	< 0.4 H	< 0.4 H	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-	70.0	30.0	30.0	50.0	40.0	50.0	60.0	< 30.0
NICKEL (TOTAL)	100 *	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10	< 10.0	< 10.0	< 10.0	< 10.0	10.0	10.0	< 10.0	< 10.0
SILVER (TOTAL)	50	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2 *	2.0	7.0	11.0	6.0	9.0	10.0	31.0	14.0
VANADIUM (TOTAL)	-	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ZINC (TOTAL)	-	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

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TABLE G-4d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		UCD-14 05/21/91	UCD-15 05/13/91	UCD-16 05/14/91	UCD-17 05/13/91	UCD-18 05/13/91	UCD-19 05/15/91	UCD-20 05/15/91	UCD-21 05/14/91
ANTIMONY (TOTAL)	5	*	9.0	5.0	2.0	31.0	2.0	6.0	5.0	5.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		270.0	140.0	120.0	130.0	60.0	40.0	70.0	80.0
BERYLLIUM (TOTAL)	1	*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		70.0	< 30.0	< 30.0	< 30.0	< 30.0	260.0	50.0	60.0
CHROMIUM, HEXAVALENT (+6)	-		50.0	20.0	30.0	20.0	20.0	10.0	60.0	70.0
COBALT (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		50.0	< 30.0	< 30.0	< 30.0	< 30.0	50.0	30.0	30.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	12.0	5.0	7.0	6.0	5.0	11.0	8.0	11.0
VANADIUM (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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TABLE G-4d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE			UCD-22	UCD-23	UCD-23	UCD-24
DATE			05/15/91	05/15/91	05/15/91	05/14/91
QA	MCL ug/L				DUPLICATE SAMPLE	
ANTIMONY (TOTAL)	5	*	65.0	3.0	5.0	4.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		< 30.0	30.0	30.0	90.0
BERYLLIUM (TOTAL)	1	*	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		< 30.0	< 30.0	< 30.0	30.0
CHROMIUM, HEXAVALENT (+6)	-		< 10.0	< 10.0	< 10.0	30.0
COBALT (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		30.0	30.0	40.0	30.0
NICKEL (TOTAL)	100	*	< 30.0	30.0	30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	6.0	7.0	7.0	10.0
VANADIUM (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0

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TABLE G-4e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-01	UCD-04	UCD-07	UCD-10	UCD-11	UCD-11	UCD-12	UCD-13
DATE		05/20/91	05/15/91	05/20/91	05/20/91	05/21/91	05/21/91	05/14/91	05/21/91
QA	MCL pCi/L						DUPLICATE SAMPLE		
CARBON-14	-	-	< 500.0	-	-	-	-	-	1652.0
CARBON-14/ERROR	-	-	-	-	-	-	-	-	+/- 343.0
GAMMA SPECTRAL ANALYSIS	-	< 20.0	< 16.0	< 23.0	< 10.0	< 10.0	< 22.0	11.0	< 9.0
GAMMA SPECTRAL ANALYSIS/ERR	-	-	-	-	-	-	-	+/- 4.0	-
GROSS ALPHA	15	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	7.0	< 2.0
GROSS ALPHA/ERROR	-	-	-	-	-	-	-	+/- 5.0	-
GROSS BETA	50	17.0	< 3.0	4.0	4.0	< 3.0	< 3.0	9.0	< 3.0
GROSS BETA/ERROR	-	+/- 4.0	-	+/- 3.0	+/- 3.0	-	-	+/- 4.0	-
STRONTIUM-90	8	4.3	< 0.5	5.7	3.8	< 0.5	< 0.5	< 0.5	< 0.5
STRONTIUM-90/ERROR	-	+/- 0.8	-	+/- 0.9	+/- 0.8	-	-	-	-
TRITIUM	20000	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	26186.0
TRITIUM/ERROR	-	-	-	-	-	-	-	-	+/- 846.0

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TABLE G-4e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		05/21/91	05/13/91	05/14/91	05/13/91	05/13/91	05/15/91	05/15/91	05/14/91
QA	MCL pCi/L								
CARBON-14	-	1131.0	< 500.0	-	< 500.0	< 500.0	-	-	-
CARBON-14/ERROR	-	+/- 333.0	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	-	< 21.0	< 22.0	< 6.0	< 18.0	< 12.0	< 8.0	< 22.0	< 11.0
GAMMA SPECTRAL ANALYSIS/ERR	-	-	-	-	-	-	-	-	-
GROSS ALPHA	15	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	10.0	4.0
GROSS ALPHA/ERROR	-	-	-	-	-	-	-	+/- 3.0	+/- 3.0
GROSS BETA	50	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	17.0	6.0
GROSS BETA/ERROR	-	-	-	-	-	-	-	+/- 4.0	+/- 3.0
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
STRONTIUM-90/ERROR	-	-	-	-	-	-	-	-	-
TRITIUM	20000	7728.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0
TRITIUM/ERROR	-	+/- 617.0	-	-	-	-	-	-	-

All units reported as pCi/liter

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TABLE G-4e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-22	UCD-23	UCD-23	UCD-24
DATE		05/15/91	05/15/91	05/15/91	05/14/91
QA	MCL			DUPLICATE	
	pCi/L			SAMPLE	
CARBON-14	-	-	-	-	-
CARBON-14/ERROR	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	-	< 20.0	< 23.0	< 10.0	< 18.0
GAMMA SPECTRAL ANALYSIS/ERR	-	-	-	-	-
GROSS ALPHA	15	< 2.0	< 2.0	< 2.0	< 2.0
GROSS ALPHA/ERROR	-	-	-	-	-
GROSS BETA	50	4.0	< 3.0	< 3.0	< 3.0
GROSS BETA/ERROR	-	+/- 3.0	-	-	-
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	< 0.5
STRONTIUM-90/ERROR	-	-	-	-	-
TRITIUM	20000	< 500.0	< 500.0	< 500.0	< 500.0
TRITIUM/ERROR	-	-	-	-	-

All units reported as pCi/liter

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TABLE G-4f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	UCD-01 05/20/91	UCD-04 05/15/91	UCD-07 05/20/91	UCD-10 05/20/91	UCD-11 05/21/91	UCD-11 05/21/91 DUPLICATE SAMPLE	UCD-12 05/14/91	UCD-13 05/21/91
CALCIUM (TOTAL)	-	51600	46400	36800	45300	39000	39200	103000	66100
CHLORIDE	-	18200	13400	28300	24800	48600	48700	39900	42400
MAGNESIUM (TOTAL)	-	125000	84000	91900	500 A	101000	101000	320000	163000
NITROGEN, NITRATE (AS N)	10000	12400	2400	37400	15600	24300	24600	122000	17400
PHOSPHATE, TOTAL (AS P)	-	400	400	200	400	400	100	100	500
POTASSIUM (TOTAL)	-	1300	600	800	1400	1200	1200	5600	3000
SODIUM (TOTAL)	-	40700	39400	64700	166000	77800	77800	130300	60800
SULFATE	400000*	41900	70500	41500	413000	45000	45200	12800	91000

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

A = Anomalous value possibly due to error in sample handling or analysis.

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TABLE G-4f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	UCD-14 05/21/91	UCD-15 05/13/91	UCD-16 05/14/91	UCD-17 05/13/91	UCD-18 05/13/91	UCD-19 05/15/91	UCD-20 05/15/91	UCD-21 05/14/91
CALCIUM (TOTAL)	-	55400	34200	35000	34100	29200	43900	36400	53200
CHLORIDE	-	38200	19000	17700	16700	25500	57400	12400	23100
MAGNESIUM (TOTAL)	-	133000	64000	62800	63500	74900	123700	96000	128000
NITROGEN, NITRATE (AS N)	10000	9900	3000	4200	2500	7600	12800	31900	53200
PHOSPHATE, TOTAL (AS P)	-	400	< 100	< 100	100	< 100	300	200	300
POTASSIUM (TOTAL)	-	900	500	700	400	1700	1800	2500	2000
SODIUM (TOTAL)	-	51200	34400	47500	37700	43900	76100	59500	108000
SULFATE	400000*	86400	35600	39700	34900	34200	35200	50200	74400

All units reported as ug/liter

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TABLE G-4f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	UCD-22 05/15/91	UCD-23 05/15/91	UCD-23 05/15/91 DUPLICATE SAMPLE	UCD-24 05/14/91
CALCIUM (TOTAL)	-	27300	34200	34200	45700
CHLORIDE	-	39600	34900	35000	25700
MAGNESIUM (TOTAL)	-	54300	82400	82500	117000
NITROGEN, NITRATE (AS N)	10000	2200	5500	6200	56800
PHOSPHATE, TOTAL (AS P)	-	200	200	500	600
POTASSIUM (TOTAL)	-	2200	1400	1400	1600
SODIUM (TOTAL)	-	88000	43800	43900	79300
SULFATE	400000*	34800	29000	28700	58100

All units reported as ug/liter

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TABLE G-4g

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF CHEMICAL ANALYSES OF GROUNDWATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
UCD-01	05/20/91		690	207.0	813	297.000	<500	-	-	-
UCD-01	05/21/91		-	-	-	-	-	7.22	1138	18.6
UCD-04	05/15/91		675	76.8	792	1.750	<500	7.32	817	19.6
UCD-07	05/20/91		415	113.0	676	2.110	<500	7.61	971	18.7
UCD-10	05/20/91		640	232.0	1310	23.600	<500	7.79	1620	18.7
UCD-11	05/21/91		524	6.1	9190 A	1.550	<500	7.66	1026	18.5
UCD-11	05/21/91	D	514	< 1.0	1830	1.970	<500	-	-	-
UCD-12	05/14/91		834	< 1.0	2080	10.000	<500	7.44	2730	19.2
UCD-13	05/21/91		840	40.9	1070	1.050	<500	7.16	1350	19.1
UCD-14	05/21/91		675	101.0	881	2.400	<500	7.69	1078	18.5
UCD-15	05/13/91		368	2.2	443	0.023	<500	7.64	636	17.9
UCD-16	05/14/91		384	269.0	603	0.030	<500	7.67	557	18.2
UCD-17	05/13/91		373	8.7	429	0.077	<500	7.43	692	18.0
UCD-18	05/13/91		391	< 1.0	489	1.530	<500	7.56	770	18.0
UCD-19	05/15/91		421	257.0	555	2.080	<500	7.46	1078	19.6
UCD-20	05/15/91		476	244.0	687	6.410	<500	7.45	449	19.2
UCD-21	05/14/91		650	2.6	1010	8.350	<500	7.38	1205	20.1
UCD-22	05/15/91		379	6.7	469	0.424	<500	7.56	749	19.8
UCD-23	05/15/91		425	30.7	497	2.250	<500	7.52	774	20.3
UCD-23	05/15/91	D	421	26.2	500	3.140	<500	-	-	-
UCD-24	05/14/91		506	60.1	867	0.308	<500	7.33	1080	21.1

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample. T = Travel control blank. - = Parameter not analyzed.

pH-F = pH measured in the field.

EC=F = electroconductivity as measured in the field.

A = Anomalous value possible due to error in sample handling or analysis.

APPENDIX G
SECTION 4

SUMMER QUARTER, AUGUST 1991

TABLE G-5a - VOLATILE ORGANIC COMPOUNDS
TABLE G-5b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE G-5c - PESTICIDES AND PCBs
TABLE G-5d - METALS
TABLE G-5e - RADIONUCLIDES
TABLE G-5f - ANIONS AND CATIONS
TABLE G-5g - GENERAL CHEMICAL PARAMETERS

TABLE G-5a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-20	TRIP BLANK-21	TRIP BLANK-22	TRIP BLANK-23	TRIP BLANK-24	TRIP BLANK-25	TRIP BLANK-26	TRIP BLANK-27
DATE		08/05/91	08/05/91	08/06/91	08/06/91	08/07/91	08/12/91	08/12/91	08/13/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-5a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-20	TRIP BLANK-21	TRIP BLANK-22	TRIP BLANK-23	TRIP BLANK-24	TRIP BLANK-25	TRIP BLANK-26	TRIP BLANK-27
DATE		08/05/91	08/05/91	08/06/91	08/06/91	08/07/91	08/12/91	08/12/91	08/13/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	12.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-5a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	TRIP BLANK-28 08/14/91 TRAVEL CONTROL	UCD-07 08/12/91	UCD-10 08/14/91	UCD-14 08/12/91	UCD-14B 08/12/91 DUPLICATE SAMPLE	UCD-15 08/05/91	UCD-16 08/05/91	UCD-17 08/05/91
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
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* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-5a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-28	UCD-07	UCD-10	UCD-14	UCD-14B	UCD-15	UCD-16	UCD-17
DATE		08/14/91	08/12/91	08/14/91	08/12/91	08/12/91	08/05/91	08/05/91	08/05/91
QA	MCL	TRAVEL				DUPLICATE			
	ug/L	CONTROL				SAMPLE			
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	4.8	4.8	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-5a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-18 08/06/91	UCD-19 08/13/91	UCD-19B 08/13/91 DUPLICATE SAMPLE	UCD-20 08/06/91	UCD-21 08/06/91	UCD-22 08/07/91	UCD-23 08/07/91	UCD-24 08/06/91
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-5a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-18 08/06/91	UCD-19 08/13/91	UCD-19B 08/13/91 DUPLICATE SAMPLE	UCD-20 08/06/91	UCD-21 08/06/91	UCD-22 08/07/91	UCD-23 08/07/91	UCD-24 08/06/91
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	< 1.6	2.6	1.6	< 1.6	< 1.6
CHLOROMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-5b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-07 08/12/91	UCD-14 08/12/91	UCD-14B 08/12/91 DUPLICATE SAMPLE	UCD-15 08/05/91	UCD-16 08/05/91	UCD-17 08/05/91	UCD-18 08/06/91	UCD-19 08/13/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-5b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-07 08/12/91	UCD-14 08/12/91	UCD-14B 08/12/91 DUPLICATE SAMPLE	UCD-15 08/05/91	UCD-16 08/05/91	UCD-17 08/05/91	UCD-18 08/06/91	UCD-19 08/13/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3

All units reported as ug/liter

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TABLE G-5b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-07 08/12/91	UCD-14 08/12/91	UCD-14B 08/12/91 DUPLICATE SAMPLE	UCD-15 08/05/91	UCD-16 08/05/91	UCD-17 08/05/91	UCD-18 08/06/91	UCD-19 08/13/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2

All units reported as ug/liter

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TABLE G-5b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-07 08/12/91	UCD-14 08/12/91	UCD-14B 08/12/91 DUPLICATE SAMPLE	UCD-15 08/05/91	UCD-16 08/05/91	UCD-17 08/05/91	UCD-18 08/06/91	UCD-19 08/13/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0

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TABLE G-5b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-07 08/12/91	UCD-14 08/12/91	UCD-14B 08/12/91 DUPLICATE SAMPLE	UCD-15 08/05/91	UCD-16 08/05/91	UCD-17 08/05/91	UCD-18 08/06/91	UCD-19 08/13/91
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

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TABLE G-5b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-19B 08/13/91 DUPLICATE SAMPLE	UCD-20 08/06/91	UCD-21 08/06/91	UCD-22 08/07/91	UCD-23 08/07/91	UCD-24 08/06/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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TABLE G-5b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-19B 08/13/91 DUPLICATE SAMPLE	UCD-20 08/06/91	UCD-21 08/06/91	UCD-22 08/07/91	UCD-23 08/07/91	UCD-24 08/06/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3

All units reported as ug/liter

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TABLE G-5b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-19B 08/13/91 DUPLICATE SAMPLE	UCD-20 08/06/91	UCD-21 08/06/91	UCD-22 08/07/91	UCD-23 08/07/91	UCD-24 08/06/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-5b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-19B 08/13/91 DUPLICATE SAMPLE	UCD-20 08/06/91	UCD-21 08/06/91	UCD-22 08/07/91	UCD-23 08/07/91	UCD-24 08/06/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-5b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-19B 08/13/91 DUPLICATE SAMPLE	UCD-20 08/06/91	UCD-21 08/06/91	UCD-22 08/07/91	UCD-23 08/07/91	UCD-24 08/06/91
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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TABLE G-5c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		UCD-07 08/12/91	UCD-14 08/12/91	UCD-14B 08/12/91 DUPLICATE SAMPLE	UCD-15 08/05/91	UCD-16 08/05/91	UCD-17 08/05/91	UCD-18 08/06/91	UCD-19 08/13/91
4,4'-DDD	-		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	<0.003	<0.003	0.004	<0.003	<0.003	<0.003	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
DIELDRIN	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	<0.003	0.020	0.019	0.018	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-5c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-07	UCD-14	UCD-14B	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19
DATE		08/12/91	08/12/91	08/12/91	08/05/91	08/05/91	08/05/91	08/06/91	08/13/91
QA	MCL			DUPLICATE					
	ug/L			SAMPLE					
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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TABLE G-5c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		UCD-19B 08/13/91 DUPLICATE SAMPLE	UCD-20 08/06/91	UCD-21 08/06/91	UCD-22 08/07/91	UCD-23 08/07/91	UCD-24 08/06/91
4,4'-DDD	-		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	<0.003	0.020	<0.003	<0.003	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
DIELDRIN	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-5c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-19B	UCD-20	UCD-21	UCD-22	UCD-23	UCD-24
DATE		08/13/91	08/06/91	08/06/91	08/07/91	08/07/91	08/06/91
QA	MCL	DUPLICATE					
	ug/L	SAMPLE					
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-5d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		UCD-07 08/12/91	UCD-14 08/12/91	UCD-14B 08/12/91 DUPLICATE SAMPLE	UCD-15 08/05/91	UCD-16 08/05/91	UCD-17 08/05/91	UCD-18 08/06/91	UCD-19 08/13/91
ANTIMONY (TOTAL)	5	*	4.0	7.0	6.0	3.0	3.0	3.0	5.0	10.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		210.0	270.0	260.0	160.0	150.0	150.0	< 30.0	40.0
BERYLLIUM (TOTAL)	1	*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		60.0	70.0	60.0	< 30.0	50.0	< 30.0	< 30.0	280.0
CHROMIUM, HEXAVALENT (+6)	-		40.0	50.0	50.0	10.0	30.0	20.0	30.0	200.0
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	6.0	9.0	10.0	5.0	5.0	4.0	6.0	8.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-5d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		UCD-19B 08/13/91 DUPLICATE SAMPLE	UCD-20 08/06/91	UCD-21 08/06/91	UCD-22 08/07/91	UCD-23 08/07/91	UCD-24 08/06/91
ANTIMONY (TOTAL)	5	*	7.0	7.0	7.0	3.0	4.0	7.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		40.0	130.0	110.0	30.0	40.0	120.0
BERYLLIUM (TOTAL)	1	*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		290.0	90.0	90.0	< 30.0	< 30.0	90.0
CHROMIUM, HEXAVALENT (+6)	-		200.0	70.0	90.0	60.0	60.0	50.0
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0	50.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	9.0	10.0	10.0	5.0	5.0	8.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-5e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-07	UCD-10	UCD-14	UCD-14B	UCD-15	UCD-16	UCD-17	UCD-18
DATE		08/12/91	08/14/91	08/12/91	08/12/91	08/05/91	08/05/91	08/05/91	08/06/9
QA	MCL pCi/L				DUPLICATE SAMPLE				
CARBON-14	-	-	-	1003.00	662.00	< 500.00	-	< 500.00	< 500
CARBON-14/ERROR	-	-	-	+/- 466.00	+/- 461.00	-	-	-	
GAMMA SPECTRAL ANALYSIS	-	< 23.00	-	< 8.00	< 9.00	< 19.00	< 8.00	< 8.00	< 11
GROSS ALPHA	15	< 2.00	-	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	6
GROSS ALPHA/ERROR	-	-	-	-	-	-	-	-	+/- 5
GROSS BETA	50	< 3.00	-	< 3.00	< 3.00	< 3.00	< 3.00	< 3.00	22
GROSS BETA/ERROR	-	-	-	-	-	-	-	-	+/- 7
STRONTIUM-90	8	< 0.50	-	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0
TRITIUM	20000	< 0.00	< 500.00	4557.00	5482.00	< 500.00	< 500.00	< 500.00	< 500
TRITIUM/ERROR	-	-	-	+/- 822.00	+/- 839.00	-	-	-	

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

● = Proposed USEPA MCL.

TABLE G-5e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-19	UCD-19B	UCD-20	UCD-21	UCD-22	UCD-23	UCD-24
DATE		08/13/91	08/13/91	08/06/91	08/06/91	08/07/91	08/07/91	08/06/91
QA	MCL		DUPLICATE					
	pCi/L		SAMPLE					
CARBON-14	-	-	-	-	-	-	-	-
CARBON-14/ERROR	-	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	-	< 19.00	< 18.00	< 22.00	< 19.00	< 19.00	< 0.18	< 18.00
GROSS ALPHA	15	4.00	4.00	4.00	3.00	< 2.00	5.00	4.00
GROSS ALPHA/ERROR	-	+/- 3.00	+/- 3.00	+/- 3.00	+/- 2.00	-	+/- 4.00	+/- 3.00
GROSS BETA	50	10.00	16.00	8.00	6.00	8.00	17.00	10.00
GROSS BETA/ERROR	-	+/- 5.00	+/- 6.00	+/- 6.00	+/- 3.00	+/- 3.00	+/- 7.00	+/- 6.00
STRONTIUM-90	8	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
TRITIUM	20000	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00	< 500.00
TRITIUM/ERROR	-	-	-	-	-	-	-	-

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL.

TABLE G-5f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	UCD-07 08/12/91	UCD-14 08/12/91	UCD-14B 08/12/91 DUPLICATE SAMPLE	UCD-15 08/05/91	UCD-16 08/05/91	UCD-17 08/05/91	UCD-18 08/06/91	UCD-19 08/13/91
CALCIUM (TOTAL)	-	39600	51800	51200	39300	34800	38200	31700	39200
CHLORIDE	-	26100	35300	36500	20700	20000	18800	26700	12300
MAGNESIUM (TOTAL)	-	85600	134000	133000	66900	65500	65700	80200	119000
NITROGEN, NITRATE (AS N)	10000	20100	8420	8390	2350	4100	2160	6790	11200
PHOSPHATE, TOTAL (AS P)	-	< 100	< 100	< 100	400	400	400	1000	300
POTASSIUM (TOTAL)	-	800	1000	1000	600	850	550	2000	1600
SODIUM (TOTAL)	-	34000	30800	30200	20700	34500	19200	23700	51700
SULFATE	400000*	40900	102000	96400	8110	69800	38500	35300	75000

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

A = Anomalous value due possibly to error in sample handling or analysis.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-5f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE		UCD-19B	UCD-20	UCD-21	UCD-22	UCD-23	UCD-24
DATE		08/13/91	08/06/91	08/06/91	08/07/91	08/07/91	08/06/91
QA	MCL	DUPLICATE					
	ug/L	SAMPLE					
CALCIUM (TOTAL)	-	39600	52200	53300	27800	30600	15000 A
CHLORIDE	-	12600	16000	22600	37500	32300	26800
MAGNESIUM (TOTAL)	-	120000	135100	135000	60400	78900	45700
NITROGEN, NITRATE (AS N)	10000	11000	34200	46700	3470	4170	54900
PHOSPHATE, TOTAL (AS P)	-	300	600	700	700	900	800
POTASSIUM (TOTAL)	-	1600	1700	2000	1400	1100	1400
SODIUM (TOTAL)	-	50300	39800	85900	54700	28600	58600
SULFATE	400000*	80500	70100	88800	38300	28100	67800

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

A = Anomalous value due possibly to error in sample handling or analysis.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-5g

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF CHEMICAL ANALYSES OF GROUNDWATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
UCD-07	08/12/91		403	< 1.00	613	2.550	<500	7.55	839	19.3
UCD-10	08/14/91		-	-	-	-	<500	7.49	2080	21.4
UCD-14	08/12/91		613	< 1.00	860	1.273	<500	7.42	1132	19.5
UCD-14B	08/12/91	D	612	31.60	822	1.112	<500	-	-	-
UCD-15	08/05/91		344	27.00	460	0.052	<500	7.75	761	19.3
UCD-16	08/05/91		367	28.20	466	0.073	<500	7.75	806	18.7
UCD-17	08/05/91		354	26.60	6730 A	0.054	<500	7.78	744	18.7
UCD-18	08/06/91		449	24.10	535	877.000	<500	7.55	922	19.7
UCD-19	08/13/91		595 H	4.72	793	390.000	<500	7.60	1152	20.3
UCD-19B	08/13/91	D	598 H	< 1.00	752	406.000	<500	-	-	-
UCD-20	08/06/91		542	24.00	845	260.000	<500	7.41	1408	21.0
UCD-21	08/06/91		633	23.60	1030	56.500	<500	7.32	1702	21.3
UCD-22	08/07/91		378	26.80	523	32.900	<500	7.45	910	21.3
UCD-23	08/07/91		421	26.60	532	880.000	<500	7.57	954	22.6
UCD-24	08/06/91		464	26.50	893	1370.000	<500	7.39	1456	20.6

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample. T = Travel control blank. - = Parameter not analyzed.

pH-F = pH measured in the field. EC-F = electroconductivity as measured in the field

H = Exceeded recommended holding time.

A = Anomalous value possibly due to error in sample handling or analysis.

APPENDIX G
SECTION 5

FALL QUARTER, NOVEMBER 1991

TABLE G-6a - VOLATILE ORGANIC COMPOUNDS
TABLE G-6b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE G-6c - PESTICIDES AND PCBs
TABLE G-6d - METALS
TABLE G-6e - RADIONUCLIDES
TABLE G-6f - ANIONS AND CATIONS
TABLE G-6g - GENERAL CHEMICAL PARAMETERS

TABLE G-6a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-29	TRIP BLANK-30	TRIP BLANK-31	TRIP BLANK-32	TRIP BLANK-33	TRIP BLANK-34	TRIP BLANK-35	TRIP BLANK-3
DATE		11/18/91	11/18/91	11/18/91	11/18/91	11/19/91	11/19/91	11/19/91	11/20/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-29	TRIP BLANK-30	TRIP BLANK-31	TRIP BLANK-32	TRIP BLANK-33	TRIP BLANK-34	TRIP BLANK-35	TRIP BLANK-3
DATE		11/18/91	11/18/91	11/18/91	11/18/91	11/19/91	11/19/91	11/19/91	11/20/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL	TRAVEL
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	3.0
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	2.8	2.9	4.1	< 2.8	< 2.8	< 2.8	3.0	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-37	TRIP BLANK-38	TRIP BLANK-39	TRIP BLANK-40	UCD-01	UCD-04	UCD-07	UCD-10
DATE		11/20/91	11/25/91	11/25/91	11/26/91	11/26/91	11/26/91	11/19/91	11/25/91
QA	MCL	TRAVEL	TRAVEL	TRAVEL	TRAVEL				
	ug/L	CONTROL	CONTROL	CONTROL	CONTROL				
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		TRIP BLANK-37	TRIP BLANK-38	TRIP BLANK-39	TRIP BLANK-40	UCD-01	UCD-04	UCD-07	UCD-10
DATE		11/20/91	11/25/91	11/25/91	11/26/91	11/26/91	11/26/91	11/19/91	11/25/91
QA	MCL ug/L	TRAVEL CONTROL	TRAVEL CONTROL	TRAVEL CONTROL	TRAVEL CONTROL				
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	2.9	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-6a (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS
EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91	UCD-14 11/20/91	UCD-15 11/18/91	UCD-16 11/18/91	UCD-17 11/18/91
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	27.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	51.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	20.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	2.4	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
H = Exceeded recommended holding time.
MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE G-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		UCD-10B	UCD-11	UCD-12	UCD-13	UCD-14	UCD-15	UCD-16	UCD-17
DATE		11/25/91	11/25/91	11/20/91	11/20/91	11/20/91	11/18/91	11/18/91	11/18/91
QA	MCL ug/L	DUPLICATE SAMPLE							
CHLOROFORM	100.0	< 1.6	< 1.6	21000.0	1.7	4.1	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	3.0	2.9	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-18 11/18/91	UCD-19 11/19/91	UCD-20 11/18/91	UCD-21 11/18/91	UCD-22 11/19/91	UCD-22B 11/19/91 DUPLICATE SAMPLE	UCD-23 11/18/91	UCD-24 11/19/91
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

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TABLE G-6a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	UCD-18 11/18/91	UCD-19 11/19/91	UCD-20 11/18/91	UCD-21 11/18/91	UCD-22 11/19/91	UCD-22B 11/19/91 DUPLICATE SAMPLE	UCD-23 11/18/91	UCD-24 11/19/91
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	2.7	< 1.6	< 1.6	< 1.6	< 1.6
CHLOROMETHANE	-	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	3.1	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-6b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/26/91	UCD-04 11/26/91	UCD-07 11/19/91	UCD-10 11/25/91	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

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* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/26/91	UCD-04 11/26/91	UCD-07 11/19/91	UCD-10 11/25/91	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3

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TABLE G-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/26/91	UCD-04 11/26/91	UCD-07 11/19/91	UCD-10 11/25/91	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2

All units reported as ug/liter

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• = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/26/91	UCD-04 11/26/91	UCD-07 11/19/91	UCD-10 11/25/91	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-01 11/26/91	UCD-04 11/26/91	UCD-07 11/19/91	UCD-10 11/25/91	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 11/20/91	UCD-15 11/18/91	UCD-16 11/18/91	UCD-17 11/18/91	UCD-18 11/18/91	UCD-19 11/19/91	UCD-20 11/18/91	UCD-21 11/18/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7

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TABLE G-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 11/20/91	UCD-15 11/18/91	UCD-16 11/18/91	UCD-17 11/18/91	UCD-18 11/18/91	UCD-19 11/19/91	UCD-20 11/18/91	UCD-21 11/18/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3

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TABLE G-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 11/20/91	UCD-15 11/18/91	UCD-16 11/18/91	UCD-17 11/18/91	UCD-18 11/18/91	UCD-19 11/19/91	UCD-20 11/18/91	UCD-21 11/18/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2

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TABLE G-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 11/20/91	UCD-15 11/18/91	UCD-16 11/18/91	UCD-17 11/18/91	UCD-18 11/18/91	UCD-19 11/19/91	UCD-20 11/18/91	UCD-21 11/18/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0

All units reported as ug/liter

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< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-14 11/20/91	UCD-15 11/18/91	UCD-16 11/18/91	UCD-17 11/18/91	UCD-18 11/18/91	UCD-19 11/19/91	UCD-20 11/18/91	UCD-21 11/18/91
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 11/19/91	UCD-22B 11/19/91 DUPLICATE SAMPLE	UCD-23 11/18/91	UCD-24 11/19/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE G-6b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 11/19/91	UCD-22B 11/19/91 DUPLICATE SAMPLE	UCD-23 11/18/91	UCD-24 11/19/91
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3

All units reported as ug/liter

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TABLE G-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 11/19/91	UCD-22B 11/19/91 DUPLICATE SAMPLE	UCD-23 11/18/91	UCD-24 11/19/91
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2

All units reported as ug/liter

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TABLE G-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	UCD-22 11/19/91	UCD-22B 11/19/91 DUPLICATE SAMPLE	UCD-23 11/18/91	UCD-24 11/19/91
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE G-6b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE		UCD-22	UCD-22B	UCD-23	UCD-24
DATE		11/19/91	11/19/91	11/18/91	11/19/91
QA	MCL		DUPLICATE		
	ug/L		SAMPLE		
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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TABLE G-6c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		UCD-01 11/26/91	UCD-04 11/26/91	UCD-07 11/19/91	UCD-10 11/25/91	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91
4,4'-DDD	-		<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
DIELDRIN	-		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.004	0.030
ENDOSULFAN I	-		<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	0.010
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	0.005	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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TABLE G-6c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	UCD-01 11/26/91	UCD-04 11/26/91	UCD-07 11/19/91	UCD-10 11/25/91	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

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TABLE G-6c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		11/20/91	11/18/91	11/18/91	11/18/91	11/18/91	11/19/91	11/18/91	11/18/91
QA	MCL ug/L								
4,4'-DDD	-	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05 c	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70 c	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
BETA-BHC	0.30 c	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
DIELDRIN	-	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-6c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		11/20/91	11/18/91	11/18/91	11/18/91	11/18/91	11/19/91	11/18/91	11/18/91
QA	MCL								
	ug/L								
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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TABLE G-6c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-22	UCD-22B	UCD-23	UCD-24
DATE		11/19/91	11/19/91	11/18/91	11/19/91
QA	MCL ug/L		DUPLICATE SAMPLE		
4,4'-DDD	-	<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-	<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-	<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05 c	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70 c	<0.003	<0.003	<0.003	<0.003
BETA-BHC	0.30 c	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10	<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-	<0.009	<0.009	<0.009	<0.009
DIELDRIN	-	<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-	<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-	<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-	<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20	<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-	<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00	<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01	<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01	<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50	<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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TABLE G-6c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		UCD-22	UCD-22B	UCD-23	UCD-24
DATE		11/19/91	11/19/91	11/18/91	11/19/91
QA	MCL		DUPLICATE		
	ug/L		SAMPLE		
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services

TABLE G-6d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		UCD-01 11/26/91	UCD-04 11/26/91	UCD-07 11/19/91	UCD-10 11/25/91	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91
ANTIMONY (TOTAL)	5	*	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		190.0	300.0	170.0	< 30.0	< 30.0	140.0	410.0	250.0
BERYLLIUM (TOTAL)	1	*	1.0	1.0	1.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		60.0	< 30.0	30.0	70.0	60.0	340.0	220.0	100.0
CHROMIUM, HEXAVALENT (+6)	-		40.0	10.0	30.0	40.0	40.0	30.0	190.0	80.0
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	31.0	23.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	8.0	6.0	7.0	13.0	13.0	< 5.0	23.0	13.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-6d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		UCD-14 11/20/91	UCD-15 11/18/91	UCD-16 11/18/91	UCD-17 11/18/91	UCD-18 11/18/91	UCD-19 11/19/91	UCD-20 11/18/91	UCD-21 11/18/91
ANTIMONY (TOTAL)	5	*	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		150.0	160.0	150.0	150.0	80.0	50.0	160.0	140.0
BERYLLIUM (TOTAL)	1	*	< 1.0	< 1.0	< 1.0	< 1.0	1.0	< 1.0	1.0	1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		< 30.0	< 30.0	40.0	40.0	< 30.0	290.0	110.0	100.0
CHROMIUM, HEXAVALENT (+6)	-		20.0	10.0	40.0	22.0	40.0	290.0	100.0	80.0
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	31.0	< 10.0	12.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	< 5.0	9.0	6.0	< 5.0	5.0	9.0	12.0	7.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-6d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		UCD-22 11/19/91	UCD-22B 11/19/91 DUPLICATE SAMPLE	UCD-23 11/18/91	UCD-24 11/19/91
ANTIMONY (TOTAL)	5	*	< 10.0	< 10.0	< 10.0	< 10.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		30.0	30.0	50.0	120.0
BERYLLIUM (TOTAL)	1	*	1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		< 30.0	< 30.0	< 30.0	40.0
CHROMIUM, HEXAVALENT (+6)	-		< 10.0	10.0	10.0	40.0
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		< 1.0	< 1.0	< 1.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	< 5.0	< 5.0	7.0	8.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		< 30.0	< 30.0	< 30.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL.

TABLE G-6e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE DATE QA	MCL pCi/L	UCD-01 11/26/91	UCD-04 11/26/91	UCD-07 11/19/91	UCD-10 11/25/91	UCD-10B 11/25/91 DUPLICATE SAMPLE	UCD-11 11/25/91	UCD-12 11/20/91	UCD-13 11/20/91
CARBON-14	-	-	< 300.0	-	-	-	-	-	1815.0
CARBON-14/ERROR	-	-	-	-	-	-	-	-	+/-352.0
GAMMA SPECTRAL ANALYSIS	-	< 70.0	< 241.0	< 17.0	< 21.0	< 33.0	< 21.0	< 14.0	< 34.0
GROSS ALPHA	15	< 2.0	7.0	< 2.0	< 2.0	5.0	3.0	< 2.0	3.0
GROSS ALPHA/ERROR	-	-	+/- 5.0	-	-	+/- 3.0	+/- 2.0	-	+/- 2.0
GROSS BETA	50	6.0	16.0	< 3.0	5.0	3.0	6.0	< 3.0	< 3.0
GROSS BETA/ERROR	-	+/- 3.0	+/- 3.0	-	+/- 3.0	+/- 2.0	+/- 3.0	-	-
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.1	< 0.5	< 0.5	< 0.5
TRITIUM	20000	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	24576.0
TRITIUM/ERROR	-	-	-	-	-	-	-	-	+/-827.0

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		11/20/91	11/18/91	11/18/91	11/18/91	11/18/91	11/19/91	11/18/91	11/18/91
QA	MCL pCi/L								
CARBON-14	-	< 300.0	< 500.0	-	< 500.0	< 500.0	-	-	-
CARBON-14/ERROR	-	-	-	-	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	-	< 17.0	< 134.0	< 132.0	< 120.0	< 119.0	< 34.0	< 85.0	< 15.0
GROSS ALPHA	15	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	3.0	< 2.0
GROSS ALPHA/ERROR	-	-	-	-	-	-	-	+/- 2.0	-
GROSS BETA	50	< 3.0	< 3.0	< 3.0	4.0	< 3.0	< 3.0	6.0	< 3.0
GROSS BETA/ERROR	-	-	-	-	+/- 3.0	-	-	+/- 3.0	-
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRITIUM	20000	652.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	< 500.0	9752.0
TRITIUM/ERROR	-	+/-534.0	-	-	-	-	-	-	+/-942.0

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-6e (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

RADIONUCLIDES

SAMPLE		UCD-22	UCD-22B	UCD-23	UCD-24
DATE		11/19/91	11/19/91	11/18/91	11/19/91
QA	MCL pCi/L		DUPLICATE SAMPLE		
CARBON-14	-	-	-	-	-
CARBON-14/ERROR	-	-	-	-	-
GAMMA SPECTRAL ANALYSIS	-	< 37.0	< 23.0	< 14.0	< 17.0
GROSS ALPHA	15	< 2.0	< 2.0	< 2.0	3.0
GROSS ALPHA/ERROR	-	-	-	-	+/- 2.0
GROSS BETA	50	< 3.0	5.0	< 3.0	4.0
GROSS BETA/ERROR	-	-	+/- 3.0	-	+/- 3.0
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	< 0.5
TRITIUM	20000	< 500.0	< 500.0	< 500.0	< 500.0
TRITIUM/ERROR	-	-	-	-	-

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-6f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE		UCD-01	UCD-04	UCD-07	UCD-10	UCD-10B	UCD-11	UCD-12	UCD-13
DATE		11/26/91	11/26/91	11/19/91	11/25/91	11/25/91	11/25/91	11/20/91	11/20/91
QA	MCL ug/L					DUPLICATE SAMPLE			
CALCIUM (TOTAL)	-	58400	59500	39100	51400	50900	41500	93100	67900
CHLORIDE	-	16800	51700	23100	29800	29800	50100	265000	31500
MAGNESIUM (TOTAL)	-	147000	99200	75000	176000	174000	108000	311000	184000
NITROGEN, NITRATE (AS N)	10000	11900	3030	9400	15600	16000	24400	100400	15900
PHOSPHATE, TOTAL (AS P)	-	830	530	< 100	< 310	< 310	< 310	< 310	610
POTASSIUM (TOTAL)	-	1200	1600	800	1600	1600	1500	4100	1900
SODIUM (TOTAL)	-	29800	32500	27000	102000	105000	48600	86000	36200
SULFATE	400000*	40100	30200	36100	457000	489000	41100	82700	73300

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE		UCD-14	UCD-15	UCD-16	UCD-17	UCD-18	UCD-19	UCD-20	UCD-21
DATE		11/20/91	11/18/91	11/18/91	11/18/91	11/18/91	11/19/91	11/18/91	11/18/91
QA	MCL ug/L								
CALCIUM (TOTAL)	-	35100	36000	23700	36400	29900	48300	47200	55600
CHLORIDE	-	27380	19800	21000	18700	20600	11300	22400	19700
MAGNESIUM (TOTAL)	-	78900	60800	58700	60400	68200	134000	126000	137000
NITROGEN, NITRATE (AS N)	10000	4650	2410	3330	2810	4600	11900	46400	45300
PHOSPHATE, TOTAL (AS P)	-	580	112	< 100	172	209	301	175	143
POTASSIUM (TOTAL)	-	1100	800	700	600	1200	1400	1900	1700
SODIUM (TOTAL)	-	51600	19400	28800	19200	29900	44300	39500	65900
SULFATE	400000*	40400	33100	41900	33400	32600	60800	50000	59200

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-6f (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF GROUNDWATER SAMPLES

ANIONS AND CATIONS

SAMPLE		UCD-22	UCD-22B	UCD-23	UCD-24
DATE		11/19/91	11/19/91	11/18/91	11/19/91
QA	MCL		DUPLICATE		
	ug/L		SAMPLE		
CALCIUM (TOTAL)	-	28900	28600	33400	46000
CHLORIDE	-	29500	30400	18660	20800
MAGNESIUM (TOTAL)	-	58300	57500	81800	120200
NITROGEN, NITRATE (AS N)	10000	4640	4120	5420	50100
PHOSPHATE, TOTAL (AS P)	-	208	132	170	345
POTASSIUM (TOTAL)	-	1500	1500	1400	1400
SODIUM (TOTAL)	-	46200	45300	27500	50200
SULFATE	400000*	27100	27200	26700	54440

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE G-6g

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF CHEMICAL ANALYSES OF GROUNDWATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
UCD-01	11/26/91		760	27.2	733	213.000	<500	6.86	1470	16.94
UCD-04	11/26/91		575	41.6	540	153.000	<500	7.82	1172	16.94
UCD-07	11/19/91		425	19.2	482	1.840	<500	7.60	921	17.67
UCD-10	11/25/91		675	28.8	1240	3.760	<500	7.05	1945	17.11
UCD-10B	11/25/91	D	680	19.2	1260	3.610	<500	-	-	-
UCD-11	11/25/91		525	32.0	684	3.650	<500	7.75	1284	17.50
UCD-12	11/20/91		815 H	51.2	1730	38.500	<500	7.70	3290	17.61
UCD-13	11/20/91		885 H	19.2	947	8.670	<500	7.91	1970	17.11
UCD-14	11/20/91		415 H	16.0	459	1.770	<500	7.95	1007	16.56
UCD-15	11/18/91		350	8.0	395	0.706	<500	7.88	644	16.56
UCD-16	11/18/91		366	32.0	416	1.740	<500	7.67	720	18.22
UCD-17	11/18/91		360	24.0	392	0.331	<500	7.88	674	17.83
UCD-18	11/18/91		380	16.0	428	12.500	<500	7.66	770	18.67
UCD-19	11/19/91		701	20.8	783	0.910	<500	7.56	1266	18.44
UCD-20	11/18/91		591	32.0	864	17.900	<500	7.63	1378	19.39
UCD-21	11/18/91		661	16.0	946	1.420	<500	7.37	1520	19.50
UCD-22	11/19/91		420	43.2	518	2.360	<500	7.58	985	19.33
UCD-22B	11/19/91	D	410	12.8	471	2.080	<500	-	-	-
UCD-23	11/18/91		449	48.0	479	7.160	<500	7.64	903	19.89
UCD-24	11/19/91		501	28.8	896	1.630	<500	7.53	1451	17.89

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample. T = Travel control blank. - = Parameter not analyzed.

pH-F = pH measured in the field.

EC-F = electroconductivity as measured in the field.

H = Exceeded recommended holding time.

APPENDIX G
SECTION 6

SUMMARY OF STATISTICAL DATA — GROUNDWATER SAMPLES

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

STATISTICAL ANALYSIS OF GROUNDWATER SAMPLES
TABLE G-7
ANALYSIS OF VARIANCE
NITRATE IN THE FIRST HYDROSTRATIGRAPHIC UNIT

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
WELL	.490068E+11	12	.408390E+10	106.416	0.000
ERROR	.172695E+10	45	.383767E+08	2.61	

TABLE G-7 (CON'T.)
ANALYSIS OF VARIANCE
NITRATE IN THE SECOND HYDROSTRATIGRAPHIC UNIT

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	F. Tabular	P
WELL	1051.040	4	262.760	9.689	2.87	0.000
ERROR	542.400	20	27.120			

TABLE G-7 (CON'T)
AOV
HEXAVALENT CHROMIUM IN THE SECOND HYDROSTRATIGRAPHIC UNIT

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
WELL	4008.640	4	1002.160	5.974	0.002
ERROR	3355.200	20	167.760	F-Tabular 2.87	

TABLE G-7 (CON'T.)
AOV
HEXAVALENT CHROMIUM IN THE FIRST HYDROSTRATIGRAPHIC UNIT

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
WELL	282315.517	12	23526.293	5.568	0.000
ERROR	190150.000	45	4225.556	2.61	

TABLE G-7 (CON'T.)
AOV
TOTAL CHROMIUM IN THE FIRST HYDROSTRATIGRAPHIC UNIT

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
WELL	2997.200	4	749.300	0.719	0.589
ERROR	20844.800	20	1042.240	F-Tabular 2.87	

TABLE G-7 (CON'T.)
AOV
TOTAL CHROMIUM IN THE SECOND HYDROSTRATIGRAPHIC UNIT

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
WELL	555328.971	12	46277.414	58.193	0.000
ERROR	35785.650	45	795.237	2.61	

TABLE G-7b
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, GROUNDWATER (FALL QUARTER, NOVEMBER 1990)

	SAMPLE	UCD-15	UCD-15	UCD-15	UCD-24	UCD-24B	UCD-24
	DATE	11/08/90	11/08/90	11/08/90	11/06/90	11/06/90	11/06/90
	QA		D	RPD (%)		D	RPD (%)
	ANALYTE						
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	297	396	29	539	473	13
	CHEMICAL OXYGEN DEMAND (mg/liter)	2	4	67	13	7.2	56
	EC-F (umhos/cm)	649	-	NR	1090	-	NR
	TEMPERATURE (degrees C)	18.3	-	NR	20	-	NR
	TOTAL DISSOLVED SOLIDS (mg/liter)	448	462	3	922	900	2
	TURBIDITY (NTU)	0.345	0.461	29	586	627	7
	TURBIDITY-F (NTU)	0.63	-	NR	17	-	NR
	pH-F	7.79	-	NR	7	-	NR
METALS (ug/liter)	ANTIMONY (TOTAL)	190	150	24	270	260	4
	BARIUM (TOTAL)	160	160	0	170	150	13
	BERYLLIUM (TOTAL)	5	5	0	2	1	67
	CADMIUM (TOTAL)	-	-	ERR	1	2	67
	CHROMIUM (TOTAL)	70	50	33	-	-	ERR
	CHROMIUM, HEXAVALENT (+6)	10	10	0	60	70	15
	MOLYBDENUM (TOTAL)	140	130	7	190	180	5
	THALLIUM (TOTAL)	140	150	7	210	200	5
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	44100	44700	1	47300	47400	0
	CHLORIDE	20500	20400	0	40600	42000	3
	MAGNESIUM (TOTAL)	58300	58600	1	86000	85900	0
	NITROGEN, NITRATE (AS N)	2400	2300	4	44700	42300	6
	PHOSPHATE, TOTAL (AS P)	100	300	100	100	300	100
	POTASSIUM (TOTAL)	700	700	0	3400	3500	
	SODIUM (TOTAL)	27400	27500	0	73600	74800	2
	SULFATE	39300	39000	1	70100	74900	7
SEMIVOLATILE ORGANICS (ug/liter)	BIS(2-ETHYLHEXYL)PHTHALATE	-	-	ERR	10	-	-
CHLORINATED PESTICIDES AND PCBS (ug/liter)	GAMMA-BHC	0.008	0.004	67	-	-	ERR
RADIOCHEMICAL ANALYSES (pCi/liter)	GROSS ALPHA	-	-	ERR	4	5	22
	GROSS BETA	-	-	ERR	6	6	0
	STRONTIUM-90	-	4.9	-	-	2.6	-
	TRITIUM	-	-	ERR	1231	1305	6

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

TABLE G-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, GROUNDWATER (WINTER QUARTER, FEBRUARY 1991)

	SAMPLE	UCD-12	UCD-12	UCD-12	UCD-22	UCD-22	UCD-22
	DATE	02/11/91	02/11/91	02/11/91	02/05/91	02/05/91	02/05/91
	QA		D	RPD (%)		D	RPD (%)
	ANALYTE						
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	-	-	-	376	393	4
	CHEMICAL OXYGEN DEMAND (mg/liter)	3.98	12	100	0.78	14.1	179
	EC-F (umhos/cm)	4090	-	NR	1050	-	NR
	TEMPERATURE (degrees C)	17.56	-	NR	19	-	NR
	TOTAL DISSOLVED SOLIDS (mg/liter)	2840	2970	4	465	473	2
	TURBIDITY (NTU)	49.7	47.2	5	0.29	0.199	37
	TURBIDITY-F (NTU)	7.63	-	NR	7.56	-	NR
	pH-F	560	560	0	-	-	-
METALS (ug/liter)	CADMIUM (TOTAL)	1	1	0	1	-	-
	CHROMIUM (TOTAL)	177	178	1	-	-	ERR
	CHROMIUM, HEXAVALENT (+6)	80	80	0	-	-	ERR
	COPPER (TOTAL)	30	-	-	-	-	ERR
	LEAD (TOTAL)	-	1	-	-	-	ERR
	THALLIUM (TOTAL)	50	70	33	-	-	ERR
	ZINC (TOTAL)	40	30	29	-	-	ERR
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	102000	100000	2	26300	29500	11
	CHLORIDE	443000	455000	3	39400	39500	0
	MAGNESIUM (TOTAL)	231000	301000	26	52100	51200	2
	NITROGEN, NITRATE (AS N)	123000	119000	3	1000	1300	26
	PHOSPHATE, TOTAL (AS P)	600	800	29	100	100	0
	POTASSIUM (TOTAL)	4760	4490	6	1980	2070	4
	SODIUM (TOTAL)	107000	101000	6	71600	70800	1
	SULFATE	52200	131000	86	38200	40100	5
VOLATILE ORGANICS (ug/liter)	CHLOROFORM	21000	24000	13	-	-	ERR
SEMIVOLATILE ORGANICS (ug/liter)	BIS(2-ETHYLHEXYL)PHTHALATE	-	-	ERR	33.3	-	-
CHLORINATED PESTICIDES AND PCBS (ug/liter)	4,4'-DDE	-	-	ERR	0.006	-	-
	ALDRIN	-	0.006	-	-	-	ERR
	BETA-BHC	0.007	0.012	53	-	-	ERR
	DIELDRIN	0.005	0.005	0	-	-	ERR
	ENDRIN ALDEHYDE	-	0.028	-	-	-	ERR
	HEPTACHLOR	0.007	0.007	0	-	-	ERR
RADIOCHEMICAL ANALYSES (pCi/liter)	GROSS ALPHA	3	-	-	3	-	-
	GROSS BETA	-	-	ERR	3	3	0

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

TABLE G-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, GROUNDWATER (SPRING QUARTER, MAY 1991)

	SAMPLE	UCD-11	UCD-11	UCD-11	UCD-23	UCD-23	UCD-23
	DATE	05/21/91	05/21/91	05/21/91	05/15/91	05/15/91	05/15/91
	QA		D	RPD (%)		D	RPD (%)
	ANALYTE						
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	524	514	2	425	421	1
	CHEMICAL OXYGEN DEMAND (mg/liter)	6.1	-	NR	30.7	26.2	16
	EC-F (umhos/cm)	1026	-	NR	774	-	NR
	TEMPERATURE (degrees C)	18.5	-	NR	20.3	-	NR
	TOTAL DISSOLVED SOLIDS (mg/liter)	9190	1830	134	497	500	1
	TURBIDITY (NTU)	1.55	1.97	24	2.25	3.14	33
	TURBIDITY-F (NTU)	3.5	-	NR	4.5	-	NR
	pH-F	7.66	-	NR	7.52	-	NR
METALS (ug/liter)	ANTIMONY (TOTAL)	5	7	33	3	5	50
	BARIUM (TOTAL)	150	150	0	30	30	0
	CHROMIUM (TOTAL)	330	320	3	-	-	ERR
	CHROMIUM, HEXAVALENT (+6)	340	330	3	-	-	ERR
	MOLYBDENUM (TOTAL)	40	50	22	30	40	29
	NICKEL (TOTAL)	-	-	ERR	30	30	0
	SELENIUM (TOTAL)	10	10	0	-	-	ERR
	THALLIUM (TOTAL)	9	10	11	7	7	0
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	39000	39200	1	34200	34200	0
	CHLORIDE	48600	48700	0	34900	35000	0
	MAGNESIUM (TOTAL)	101000	101000	0	82400	82500	0
	NITROGEN, NITRATE (AS N)	24300	24600	1	5500	6200	12
	PHOSPHATE, TOTAL (AS P)	400	100	120	200	500	86
	POTASSIUM (TOTAL)	1200	1200	0	1400	1400	0
	SODIUM (TOTAL)	77800	77800	0	43800	43900	0
	SULFATE	45000	45200	0	29000	28700	1
SEMIVOLATILE ORGANICS (ug/liter)	BIS(2-ETHYLHEXYL)PHTHALATE	10	24.3	83	-	-	ERR

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

TABLE G-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, GROUNDWATER (SUMMER QUARTER, AUGUST 1991)

	SAMPLE	UCD-14	UCD-14B	UCD-14B	UCD-19	UCD-19B	UCD-19B
	DATE	08/12/91	08/12/91	08/12/91	08/13/91	08/13/91	08/13/91
	QA		D	RPD (%)		D	RPD (%)
	ANALYTE						
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	613	612	0	595	598	1
	CHEMICAL OXYGEN DEMAND (mg/liter)	-	31.6	NR	5	-	NR
	EC-F (umhos/cm)	1132	-	NR	1152	-	NR
	TEMPERATURE (degrees C)	19.5	-	NR	20	-	NR
	TOTAL DISSOLVED SOLIDS (mg/liter)	860	822	5	793	752	5
	TURBIDITY (NTU)	1.273	1.112	14	390	406	4
	TURBIDITY-F (NTU)	3.2	-	NR	-200	-	NR
	pH-F	7.42	-	NR	8	-	NR
METALS (ug/liter)	ANTIMONY (TOTAL)	7	6	15	10	7	35
	BARIUM (TOTAL)	270	260	4	40	40	0
	CHROMIUM (TOTAL)	70	60	15	280	290	4
	CHROMIUM, HEXAVALENT (+6)	50	50	0	200	200	0
	LEAD (TOTAL)	1	-	-	-	-	ERR
	SELENIUM (TOTAL)	-	-	-	10	-	-
	THALLIUM (TOTAL)	9	10	11	8	9	12
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	51800	51200	1	39200	39600	1
	CHLORIDE	35300	36500	3	12300	12600	2
	MAGNESIUM (TOTAL)	134000	133000	1	119000	120000	1
	NITROGEN, NITRATE (AS N)	8420	8390	0	11200	11000	2
	PHOSPHATE, TOTAL (AS P)	-	-	ERR	300	300	0
	POTASSIUM (TOTAL)	1000	1000	0	1600	1600	0
	SODIUM (TOTAL)	30800	30200	2	51700	50300	3
	SULFATE	102000	96400	6	75000	80500	7
VOLATILE ORGANICS (ug/liter)	CHLOROFORM	4.8	4.8	0	-	-	ERR
RADIOCHEMICAL ANALYSES (pCi/liter)	CARBON-14	1003	662	41	-	-	ERR
	GROSS ALPHA	-	-	ERR	4	4	0
	GROSS BETA	-	-	ERR	10	16	46
	TRITIUM	4557	5482	18	-	-	ERR

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

TABLE G-7b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, GROUNDWATER (FALL QUARTER, NOVEMBER 1991)

	SAMPLE	UCD-10	UCD-10B	UCD-10B	UCD-22	UCD-22B	UCD-22B
	DATE	11/25/91	11/25/91	11/25/91	11/19/91	11/19/91	11/19/91
	QA		D	RPD (%)		D	RPD (%)
	ANALYTE						
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	675	680	1	420	410	2
	CHEMICAL OXYGEN DEMAND (mg/liter)	28.8	19.2	40	43	12.8	109
	EC-F (umhos/cm)	1945	-	NR	985	-	NR
	TEMPERATURE (degrees C)	17.11	-	NR	19	-	NR
	TOTAL DISSOLVED SOLIDS (mg/liter)	1240	1260	2	518	471	10
	TURBIDITY (NTU)	3.76	3.61	4	2	2.08	13
	TURBIDITY-F (NTU)	28	-	NR	2	-	NR
	pH-F	7.05	-	NR	8	-	NR
METALS (ug/liter)	BARIUM (TOTAL)	-	-	ERR	30	30	0
	BERYLLIUM (TOTAL)	-	-	ERR	1	-	-
	CHROMIUM (TOTAL)	70	60	15	-	-	ERR
	CHROMIUM, HEXAVALENT (+6)	40	40	0	-	10	-
	THALLIUM (TOTAL)	13	13	0	-	-	ERR
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	51400	50900	1	28900	28600	1
	CHLORIDE	29800	29800	0	29500	30400	3
	MAGNESIUM (TOTAL)	176000	174000	1	58300	57500	1
	NITROGEN, NITRATE (AS N)	15600	16000	3	4640	4120	12
	PHOSPHATE, TOTAL (AS P)	-	-	ERR	208	132	45
	POTASSIUM (TOTAL)	1600	1600	0	1500	1500	0
	SODIUM (TOTAL)	102000	105000	3	46200	45300	2
	SULFATE	457000	489000	7	27100	27200	0
RADIOCHEMICAL ANALYSES (pCi/liter)	GROSS ALPHA	-	5	-	-	-	ERR
	GROSS BETA	5	3	50	-	5	-

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

APPENDIX H

ANALYTICAL DATA TABLES
FOR
SURFACE WATER SAMPLES
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

APPENDIX H

ANALYTICAL DATA TABLES FOR SURFACE WATER SAMPLES PHASE II SITE CHARACTERIZATION LEHR ENVIRONMENTAL RESTORATION

This appendix presents the data tables summarizing results from surface water sample analyses conducted during the Phase II LEHR Site Characterization. The results are presented in tabular form and are separated into five sections, representing five quarterly rounds of sampling, organized by analysis and sample location. Table H-1 identifies the surface water sample locations. Figure H-1 shows the sampling locations in relation to LEHR. The results of the analyses are presented by quarter as Tables H-2 through H-6. Laboratory data sheets have been provided to EMO as Appendix M. The quarterly surface water sampling rounds include:

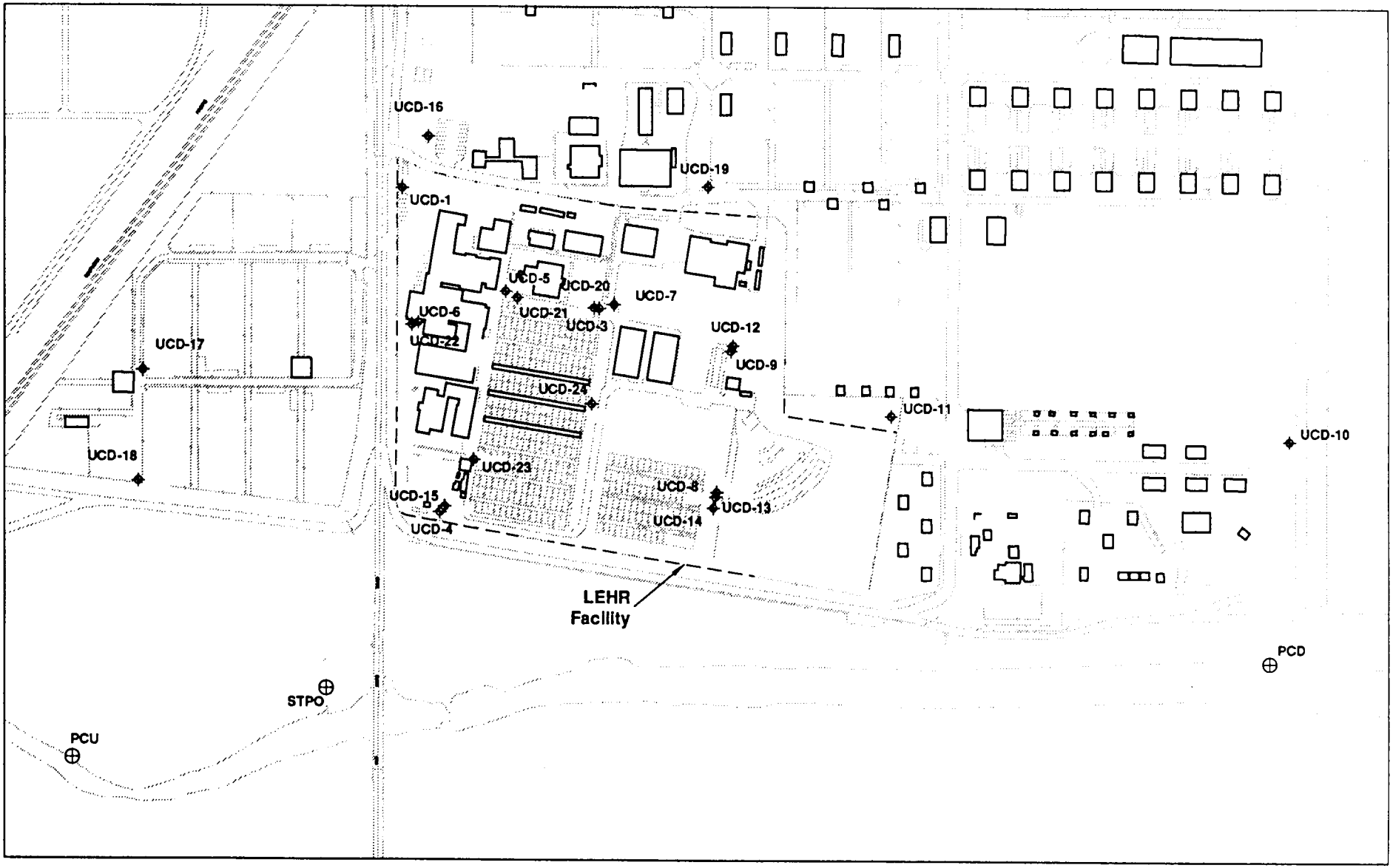
Section 1	Fall Quarter, November 1990;	TABLE H-2
Section 2	Winter Quarter, February 1991;	TABLE H-3
Section 3	Spring Quarter, May 1991;	TABLE H-4
Section 4	Summer Quarter, August 1991; and	TABLE H-5
Section 5	Fall Quarter, November 1991.	TABLE H-6
Section 6	Relative Percent Difference for Duplicates	TABLE H-7

Surface water sample analyses for in each of the quarterly sections are presented in the following order:

- Volatile Organic Compounds (EPA Method 8240);
- Semivolatile Organic Compounds (EPA Method 8270);
- Pesticides and PCBs (EPA Method 8080);
- Title 22 Metals;
- Radionuclides;
- Anions and Cations; and
- General Chemical Parameters

TABLE H-1
SURFACE WATER SAMPLE LOCATIONS
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

Sample	Location
PCU	Putah Creek Upstream of LEHR
PCD	Putah Creek Downstream of LEHR
STPO	UC Davis Wastewater Treatment Plant Outfall



EXPLANATION

Monitoring Wells

Surface Water Samples

0 300

Scale in Feet

N

SURFACE WATER LOCATIONS

Phase II Site Characterization

LEHR Environmental Restoration

FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-172

FIGURE H-1

APPENDIX H
SECTION 1

FALL QUARTER, NOVEMBER 1990

TABLE H-2a - VOLATILE ORGANIC COMPOUNDS
TABLE H-2b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE H-2c - PESTICIDES AND PCBs
TABLE H-2d - METALS
TABLE H-2e - RADIONUCLIDES
TABLE H-2f - ANIONS AND CATIONS
TABLE H-2g - GENERAL CHEMICAL PARAMETERS

TABLE H-2a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 11/09/90	PCU-01 11/09/90	PCU-01 11/09/90 DUPLICATE SAMPLE	STPO 11/09/90	TRIP BLANK 11/09/90 TRAVEL CONTROL
1,1,1-TRICHLOROETHANE	200.0	< 3.8 H	< 3.8 H	< 3.8 H	< 3.8 H	< 3.8 H
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9 H	< 6.9 H	< 6.9 H	< 6.9 H	< 6.9 H
1,1,2-TRICHLOROETHANE	32.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
1,1-DICHLOROETHANE	5.0	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H
1,1-DICHLOROETHENE	6.0	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H
1,2-DICHLOROBENZENE	600.0*	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	-
1,2-DICHLOROETHANE	0.5	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H
1,2-DICHLOROPROPANE	5.0	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H
1,3-DICHLOROBENZENE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	-
1,4-DICHLOROBENZENE	5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	-
2-BUTANONE	-	-	-	-	-	<10.0 H
2-CHLOROETHYLVINYL ETHER	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	<10.0 H
2-HEXANONE	-	-	-	-	-	<10.0 H
4-METHYL-2-PENTANONE	-	-	-	-	-	<10.0 H
ACETONE	-	-	-	-	-	<10.0 H
BENZENE	1.0	< 4.4 H	< 4.4 H	< 4.4 H	< 4.4 H	< 4.4 H
BROMODICHLOROMETHANE	100.0	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2 H
BROMOFORM	100.0	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE H-2a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 11/09/90	PCU-01 11/09/90	PCU-01 11/09/90 DUPLICATE SAMPLE	STPO 11/09/90	TRIP BLANK 11/09/90 TRAVEL CONTROL
BROMOMETHANE	-	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H
CARBON DISULFIDE	-	-	-	-	-	< 5.0 H
CARBON TETRACHLORIDE	0.5	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H
CHLOROBENZENE	30.0	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H
CHLOROETHANE	-	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H
CHLOROFORM	100.0	10.0 H	4.9 H	4.2 H	3.4 H	< 1.6 H
CHLOROMETHANE	-	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H
CIS-1,3-DICHLOROPROPENE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
DIBROMOCHLOROMETHANE	100.0	< 3.1 H	< 3.1 H	< 3.1 H	< 3.1 H	< 3.1 H
ETHYL BENZENE	680.0	< 7.2 H	< 7.2 H	< 7.2 H	< 7.2 H	< 7.2 H
METHYLENE CHLORIDE	5.0*	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H
STYRENE	5.0	-	-	-	-	< 5.0 H
TETRACHLOROETHENE	5.0	< 4.1 H	< 4.1 H	< 4.1 H	< 4.1 H	< 4.1 H
TOLUENE	1000.0#	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H
TOTAL XYLENES	1750.0	-	-	-	-	< 5.0 H
TRANS-1,2-DICHLOROETHANE	-	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6 H
TRANS-1,3-DICHLOROPROPENE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
TRICHLOROETHENE	5.0	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE H-2a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE		PCD-01	PCU-01	PCU-01	STPO	TRIP BLANK
DATE		11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
QA	MCL			DUPLICATE		TRAVEL
	ug/L			SAMPLE		CONTROL
TRICHLOROFLUOROMETHANE	150.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	-
VINYL ACETATE	-	-	-	-	-	<10.0 H
VINYL CHLORIDE	0.5	< 2.0 H	< 2.0 H	< 2.0 H	< 2.0 H	< 2.0 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE H-2b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 11/09/90	PCU-01 11/09/90	PCU-01 11/09/90 DUPLICATE SAMPLE	STPO 11/09/90
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-2b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 11/09/90	PCU-01 11/09/90	PCU-01 11/09/90 DUPLICATE SAMPLE	STPO 11/09/90
4-CHLOROPHENYL PHENYL ETHE	-	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-2b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 11/09/90	PCU-01 11/09/90	PCU-01 11/09/90 DUPLICATE SAMPLE	STPO 11/09/90
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE H-2b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 11/09/90	PCU-01 11/09/90	PCU-01 11/09/90 DUPLICATE SAMPLE	STPO 11/09/90
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

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* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-2b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE		PCD-01	PCU-01	PCU-01	STPO
DATE		11/09/90	11/09/90	11/09/90	11/09/90
QA	MCL ug/L			DUPLICATE SAMPLE	
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-2c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		PCD-01 11/09/90	PCU-01 11/09/90	PCU-01 11/09/90 DUPLICATE SAMPLE	STPO 11/09/90
4,4'-DDD	-		<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	<0.003	0.008	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		0.012	0.023	0.020	0.027
DIELDRIN	-		<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-		<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-2c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		PCD-01	PCU-01	PCU-01	STPO
DATE		11/09/90	11/09/90	11/09/90	11/09/90
QA	MCL			DUPLICATE	
	ug/L			SAMPLE	
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-2d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		PCD-01 11/09/90	PCU-01 11/09/90	PCU-01 11/09/90 DUPLICATE SAMPLE	STPO 11/09/90
ANTIMONY (TOTAL)	5	*	70.0	90.0	100.0	110.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		40.0	40.0	40.0	40.0
BERYLLIUM (TOTAL)	1	*	6.0	4.0	6.0	6.0
CADMIUM (TOTAL)	10		1.0	2.0	2.0	1.0
CHROMIUM (TOTAL)	50		< 30.0	60.0	30.0	110.0
CHROMIUM, HEXAVALENT (+6)	-		< 10.0 H	< 10.0 H	10.0 H	10.0 H
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	< 30.0	< 30.0
LEAD (TOTAL)	50		2.0	2.0	2.0	1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		50.0	60.0	50.0	70.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	80.0	90.0	90.0	100.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		1190.0	39.0	42.0	< 30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminent Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-2e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

RADIONUCLIDES

SAMPLE		PCD-01	PCU-01	PCU-01	STPO
DATE		11/09/90	11/09/90	11/09/90	11/09/90
QA	MCL			DUPLICATE	
	pCi/L			SAMPLE	
GAMMA SPECTRAL ANALYSIS	-	< 0.1	< 0.1	< 0.1	< 0.1
GROSS ALPHA	15	< 2.0	< 2.0	< 2.0	< 2.0
GROSS BETA	50	8.0	17.0	13.0	20.0
GROSS BETA/ERROR	-	+/- 3.0	+/- 3.0	+/- 3.0	+/- 3.0
STRONTIUM-90	8	4.2	2.6	4.2	5.4
STRONTIUM-90/ERROR	-	+/- 3.2	+/- 1.0	+/- 3.3	+/- 3.2
TRITIUM	20000	1313.0	1341.0	1094.0	704.0
TRITIUM/ERROR	-	+/- 605.0	+/- 604.0	+/- 62.0	+/- 596.0

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-2f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ANIONS AND CATIONS

SAMPLE		PCD-01	PCU-01	PCU-01	STPO
DATE		11/09/90	11/09/90	11/09/90	11/09/90
QA	MCL			DUPLICATE	
	ug/L			SAMPLE	
CALCIUM (TOTAL)	-	21800	18800	20100	21300
CHLORIDE	-	156000	156000	148000	139000
MAGNESIUM (TOTAL)	-	21000	21500	21700	20800
NITROGEN, NITRATE (AS N)	10000	5700	7300	7300	6500
PHOSPHATE, TOTAL (AS P)	-	3200	4500	4100	4400
POTASSIUM (TOTAL)	-	10300	10400	10400	10100
SODIUM (TOTAL)	-	100500	104200	102200	103700
SULFATE	400000*	77600	75700	80200	73600

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-2g

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1990 - SUMMARY OF CHEMICAL ANALYSES OF SURFACE WATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
PCD-01	11/09/90		187	32.9	644	8.42 H	<500	7.37	1017	16.0
PCU-01	11/09/90		198	23.3	642	6.49 H	<500	7.20	1080	16.5
PCU-01	11/09/90	D	198	25.8	646	14.10 H	<500	-	-	-
STPD	11/09/90		204	32.9	602	8.96 H	<500	7.29	1237	22.8

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample. - = Parameter not analyzed.

pH-F = pH as measured in the field.

EC-F = electroconductivity as measured in the field.

H = Exceeded recommended holding time.

APPENDIX H
SECTION 2

WINTER QUARTER, FEBRUARY 1991

TABLE H-3a - VOLATILE ORGANIC COMPOUNDS
TABLE H-3b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE H-3c - PESTICIDES AND PCBs
TABLE H-3d - METALS
TABLE H-3e - RADIONUCLIDES
TABLE H-3f - ANIONS AND CATIONS
TABLE H-3g - GENERAL CHEMICAL PARAMETERS

TABLE H-3a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91	TRIP BLANK 02/06/91
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE H-3a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91	TRIP BLANK 02/06/91
CHLOROFORM	100.0	< 1.6	< 1.6	< 1.6	7.4	< 1.6
CHLOROMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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TABLE H-3b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5

All units reported as ug/liter

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MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE H-3b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
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TABLE H-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5

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TABLE H-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9

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TABLE H-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0

All units reported as ug/liter

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TABLE H-3b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

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TABLE H-3c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91
4,4'-DDD	-		<0.011	0.018	0.022	0.047
4,4'-DDE	-		0.005	0.005	<0.004	<0.004
4,4'-DDT	-		<0.012	0.013	0.015	<0.012
ALDRIN	0.05	c	0.037	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	<0.003	0.006	0.013
BETA-BHC	0.30	c	<0.006	<0.006	0.024	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009	<0.009
DIELDRIN	-		0.012	0.015	0.015	0.007
ENDOSULFAN I	-		0.062	0.103	0.093	<0.014
ENDOSULFAN II	-		<0.004	0.007	0.006	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	0.006	0.023	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE H-3c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE H-3d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		PCD-01 02/06/91	PCU-01 02/06/91	PCU-01 02/06/91 DUPLICATE SAMPLE	STPO 02/06/91
ANTIMONY (TOTAL)	5	*	19.0	< 10.0	< 10.0	< 10.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		70.0	40.0	80.0	< 30.0
BERYLLIUM (TOTAL)	1	*	< 1.0	1.0	1.0	< 1.0
CADMIUM (TOTAL)	10		1.0	1.0	2.0	2.0
CHROMIUM (TOTAL)	50		11.0	< 10.0	< 10.0	< 10.0
CHROMIUM, HEXAVALENT (+6)	-		< 10.0	< 10.0	< 10.0	< 10.0
COBALT (TOTAL)	-		< 10.0	< 10.0	< 10.0	< 10.0
COPPER (TOTAL)	1300	*	< 30.0	< 30.0	30.0	30.0
LEAD (TOTAL)	50		4.0	4.0	7.0	< 1.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		< 10.0	< 10.0	< 10.0	< 10.0
NICKEL (TOTAL)	100	*	< 30.0	50.0	70.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 40.0	< 30.0	< 30.0
THALLIUM (TOTAL)	2	*	< 30.0	< 30.0	< 30.0	< 30.0
VANADIUM (TOTAL)	-		<100.0	<100.0	<100.0	<100.0
ZINC (TOTAL)	-		50.0	50.0	60.0	40.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE H-3e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

RADIONUCLIDES

SAMPLE		PCD-01	PCU-01	PCU-01	STPO
DATE		02/06/91	02/06/91	02/06/91	02/06/91
QA	MCL			DUPLICATE	
	pCi/L			SAMPLE	
GAMMA SPECTRAL ANALYSIS	-	< 15.0	< 8.7	< 14.0	< 17.0
GROSS ALPHA	15	< 2.0	3.0	< 2.0	7.0
GROSS ALPHA/ERROR	-	-	+/-2.0	-	+/-3.0
GROSS BETA	50	13.0	7.0	15.0	34.0
GROSS BETA/ERROR	-	+/-6.0	+/-5.0	+/-5.0	+/-4.0
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	0.8
STRONTIUM-90/ERROR	-	-	-	-	+/-0.7
TRITIUM	20000	<500.0	<500.0	<500.0	<500.0

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

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MCL = Macimum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

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TABLE H-3f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ANIONS AND CATIONS

SAMPLE		PCD-01	PCU-01	PCU-01	STPO
DATE		02/06/91	02/06/91	02/06/91	02/06/91
QA	MCL			DUPLICATE	
	ug/L			SAMPLE	
CALCIUM (TOTAL)	-	13700	10800	12400	17900
CHLORIDE	-	62800	28600	36500	142000
MAGNESIUM (TOTAL)	-	7360	5970	5070	17700
NITROGEN, NITRATE (AS N)	10000	2000	400	1200	11900
PHOSPHATE, TOTAL (AS P)	-	2800	1000	1400	4700
POTASSIUM (TOTAL)	-	11100	6190	7750	13300
SODIUM (TOTAL)	-	68700	35800	39000	121000
SULFATE	400000*	51600	36200	40900	66200

All units reported as ug/liter

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• = Proposed USEPA MCL.

TABLE H-3g

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF CHEMICAL ANALYSES OF SURFACE WATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
PCD-01	02/06/91		138	151.0	326	37.20	<500	7.60	622	16.56
PCU-01	02/06/91		115	90.8	202	52.10	<500	8.26	365	14.11
PCU-01	02/06/91	D	117	101.0	233	58.30	<500	-	-	-
STPO	02/06/91		194	8.0	596	6.39	<500	7.28	1223	17.94

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample

pH-F = pH measured in the field.

EC-F = electroconductivity as measured in the field.

APPENDIX H
SECTION 3

SPRING QUARTER, MAY 1991

TABLE H-4a - VOLATILE ORGANIC COMPOUNDS
TABLE H-4b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE H-4c - PESTICIDES AND PCBs
TABLE H-4d - METALS
TABLE H-4e - RADIONUCLIDES
TABLE H-4f - ANIONS AND CATIONS
TABLE H-4g - GENERAL CHEMICAL PARAMETERS

TABLE H-4a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	4.1	< 2.2	2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	<10.0	<10.0	<10.0	<10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-4a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
CHLOROFORM	100.0	10.0	< 1.6	3.1	3.1
CHLOROMETHANE	-	<10.0	<10.0	<10.0	<10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	5.4	5.7
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-4b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
1,2-DICHLOROBENZENE	600.00*	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
1,3-DICHLOROBENZENE	-	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
1,4-DICHLOROBENZENE	5.00	< 4.4 H	< 4.4 H	< 4.4 H	< 4.4 H
2,4,6-TRICHLOROPHENOL	-	< 2.7 H	< 2.7 H	< 2.7 H	< 2.7 H
2,4-DICHLOROPHENOL	-	< 2.7 H	< 2.7 H	< 2.7 H	< 2.7 H
2,4-DIMETHYLPHENOL	-	< 2.7 H	< 2.7 H	< 2.7 H	< 2.7 H
2,4-DINITROPHENOL	-	<42.0 H	<42.0 H	<42.0 H	<42.0 H
2,4-DINITROTOLUENE	-	< 5.7 H	< 5.7 H	< 5.7 H	< 5.7 H
2,6-DINITROTOLUENE	-	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
2-CHLORONAPHTHALENE	-	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
2-CHLOROPHENOL	-	< 3.3 H	< 3.3 H	< 3.3 H	< 3.3 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-4b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
2-METHYL-4,6-DINITROPHENOL	-	<24.0 H	<24.0 H	<24.0 H	<24.0 H
2-NITROPHENOL	-	< 3.6 H	< 3.6 H	< 3.6 H	< 3.6 H
3,3'-DICHLOROBENZIDINE	-	<16.5 H	<16.5 H	<16.5 H	<16.5 H
4,4'-DDD	-	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H
4,4'-DDE	-	< 5.6 H	< 5.6 H	< 5.6 H	< 5.6 H
4,4'-DDT	-	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H
4-BROMOPHENYL PHENYL ETHER	-	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
4-CHLORO-3-METHYLPHENOL	-	< 3.0 H	< 3.0 H	< 3.0 H	< 3.0 H
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2 H	< 4.2 H	< 4.2 H	< 4.2 H
4-NITROPHENOL	-	< 2.4 H	< 2.4 H	< 2.4 H	< 2.4 H
ACENAPHTHENE	-	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
ACENAPHTHYLENE	-	< 3.5 H	< 3.5 H	< 3.5 H	< 3.5 H

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QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.
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* = Proposed USEPA MCL.

TABLE H-4b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
ALDRIN	0.05c	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
ALPHA-BHC	0.70c	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
ANTHRACENE	-	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
BENZIDINE	-	<44.0 H	<44.0 H	<44.0 H	<44.0 H
BENZO(A)ANTHRACENE	0.10*	< 7.8 H	< 7.8 H	< 7.8 H	< 7.8 H
BENZO(A)PYRENE	0.20*	< 2.5 H	< 2.5 H	< 2.5 H	< 2.5 H
BENZO(B)FLUORANTHENE	0.20*	< 4.8 H	< 4.8 H	< 4.8 H	< 4.8 H
BENZO(GHI)PERYLENE	-	< 4.1 H	< 4.1 H	< 4.1 H	< 4.1 H
BENZO(K)FLUORANTHENE	0.20*	< 2.5 H	< 2.5 H	< 2.5 H	< 2.5 H
BENZYL BUTYL PHTHALATE	-	< 2.5 H	< 2.5 H	< 2.5 H	< 2.5 H
BETA-BHC	0.30c	< 4.2 H	< 4.2 H	< 4.2 H	< 4.2 H
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3 H	< 5.3 H	< 5.3 H	< 5.3 H

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• = Proposed USEPA MCL.

TABLE H-4b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
BIS(2-CHLOROETHYL)ETHER	-	< 5.7 H	< 5.7 H	< 5.7 H	< 5.7 H
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5 H	< 2.5 H	4.4 H	7.8 H
BIS(2-ISOPROPYL)ETHER	-	< 5.7 H	< 5.7 H	< 5.7 H	< 5.7 H
CHLORDANE	0.10	<10.0 H	<10.0 H	<10.0 H	<10.0 H
CHRYSENE	0.20*	< 2.5 H	< 2.5 H	< 2.5 H	< 2.5 H
DELTA-BHC	-	< 3.1 H	< 3.1 H	< 3.1 H	< 3.1 H
DI-N-BUTYLPHTHALATE	-	< 2.5 H	< 2.5 H	< 2.5 H	< 2.5 H
DI-N-OCTYLPHTHALATE	-	< 2.5 H	< 2.5 H	< 2.5 H	< 2.5 H
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5 H	< 2.5 H	< 2.5 H	< 2.5 H
DIELDRIN	-	< 2.5 H	< 2.5 H	< 2.5 H	< 2.5 H
DIETHYL PHTHALATE	4.00	<22.0 H	<22.0 H	<22.0 H	<22.0 H
DIMETHYL PHTHALATE	-	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6 H

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* = Proposed USEPA MCL.

TABLE H-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
ENDOSULFAN I	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
ENDOSULFAN II	-	< 3.0 H	< 3.0 H	< 3.0 H	< 3.0 H
ENDOSULFAN SULFATE	-	< 5.6 H	< 5.6 H	< 5.6 H	< 5.6 H
ENDRIN	0.20	< 1.5 H	< 1.5 H	< 1.5 H	< 1.5 H
ENDRIN ALDEHYDE	-	< 7.0 H	< 7.0 H	< 7.0 H	< 7.0 H
FLUORANTHENE	-	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2 H
FLUORENE	-	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
GAMMA-BHC	4.00	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
HEPTACHLOR	0.01	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
HEPTACHLOR EPOXIDE	0.01	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2 H
HEXACHLOROBENZENE	1.00*	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
HEXACHLOROBUTADIENE	-	< 0.9 H	< 0.9 H	< 0.9 H	< 0.9 H

All units reported as ug/liter

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TABLE H-4b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0 H	<10.0 H	<10.0 H	<10.0 H
HEXACHLOROETHANE	-	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6 H
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7 H	< 3.7 H	< 3.7 H	< 3.7 H
ISOPHORONE	-	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2 H
N-NITROSODI-N-PROPYLAMINE	-	< 4.6 H	< 4.6 H	< 4.6 H	< 4.6 H
N-NITROSODIMETHYLAMINE	-	<10.0 H	<10.0 H	<10.0 H	<10.0 H
N-NITROSODIPHENYLAMINE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
NAPHTHALENE	-	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6 H
NITROBENZENE	-	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
PCB-1016	0.50	<30.0 H	<30.0 H	<30.0 H	<30.0 H
PCB-1221	0.50	<30.0 H	<30.0 H	<30.0 H	<30.0 H
PCB-1232	0.50	<30.0 H	<30.0 H	<30.0 H	<30.0 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-4b (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
PCB-1242	0.50	<40.0 H	<40.0 H	<40.0 H	<40.0 H
PCB-1248	0.50	<40.0 H	<40.0 H	<40.0 H	<40.0 H
PCB-1254	0.50	<40.0 H	<40.0 H	<40.0 H	<40.0 H
PCB-1260	0.50	<40.0 H	<40.0 H	<40.0 H	<40.0 H
PENTACHLOROPHENOL	0.10*	< 3.6 H	< 3.6 H	< 3.6 H	< 3.6 H
PHENANTHRENE	-	< 5.4 H	< 5.4 H	< 5.4 H	< 5.4 H
PHENOL	-	< 1.5 H	< 1.5 H	< 1.5 H	< 1.5 H
PYRENE	-	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
TOXAPHENE	5.00	<10.0 H	<10.0 H	<10.0 H	<10.0 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
H = Exceeded recommended holding time.
MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
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TABLE H-4c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
4,4'-DDD	-		<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	0.005	<0.003	<0.003	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006	0.019
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009	0.013
DIELDRIN	-		<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-		<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL. c = California State Action Level, Dept. Of Health Services.

TABLE H-4c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. Of Health Services.

TABLE H-4d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCD-01 05/21/91	PCU-01 05/16/91	PCU-01 05/21/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE	STPO 05/21/91	STPO 05/21/91 DUPLICATE SAMPLE
ANTIMONY (TOTAL)	5 *	3.0	-	2.0	-	1.0	1.0	-	-
ARSENIC (TOTAL)	50	<10.0	-	<10.0	-	<10.0	<10.0	-	-
BARIUM (TOTAL)	1000	70.0	-	80.0	-	<30.0	<30.0	-	-
BERYLLIUM (TOTAL)	1 *	< 1.0	-	< 1.0	-	< 1.0	< 1.0	-	-
CADMIUM (TOTAL)	10	< 1.0	-	< 1.0	-	< 1.0	< 1.0	-	-
CHROMIUM (TOTAL)	50	<30.0	-	<30.0	-	<30.0	<30.0	-	-
CHROMIUM, HEXAVALENT (+6)	-	-	19.0	-	18.0	-	-	11.0	11.0
COBALT (TOTAL)	-	<30.0	-	<30.0	-	<30.0	<30.0	-	-
COPPER (TOTAL)	1300 *	<30.0	-	<30.0	-	<30.0	<30.0	-	-
LEAD (TOTAL)	50	1.0	-	< 1.0	-	1.0	1.0	-	-
MERCURY (TOTAL)	2	< 0.4	-	< 0.4	-	< 0.4	< 0.4	-	-
MOLYBDENUM (TOTAL)	-	<30.0	-	<30.0	-	<30.0	<30.0	-	-
NICKEL (TOTAL)	100 *	<30.0	-	<30.0	-	<30.0	<30.0	-	-
SELENIUM (TOTAL)	10	<10.0	-	<10.0	-	<10.0	<10.0	-	-
SILVER (TOTAL)	50	<30.0	-	<30.0	-	<30.0	<30.0	-	-
THALLIUM (TOTAL)	2 *	1.0	-	4.0	-	1.0	2.0	-	-
VANADIUM (TOTAL)	-	<30.0	-	<30.0	-	<30.0	<30.0	-	-
ZINC (TOTAL)	-	30.0	-	<30.0	-	30.0	30.0	-	-

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-4e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

RADIONUCLIDES

SAMPLE		PCD-01	PCU-01	STPO	STPO
DATE		05/16/91	05/16/91	05/16/91	05/16/91
QA	MCL				DUPLICATE
	pCi/L				SAMPLE
GAMMA SPECTRAL ANALYSIS	-	< 20.0	< 11.0	< 18.0	< 15.0
GROSS ALPHA	15	< 2.0	3.0	< 2.0	3.0
GROSS ALPHA/ERROR	-	-	+/-2.0	-	+/-2.0
GROSS BETA	50	7.0	9.0	12.0	16.0
GROSS BETA/ERROR	-	+/-3.0	+/-3.0	+/-3.0	+/-4.0
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	< 0.5
TRITIUM	20000	<500.0	<500.0	<500.0	<500.0

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-4f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	PCD-01 05/16/91	PCU-01 05/16/91	STPO 05/16/91	STPO 05/16/91 DUPLICATE SAMPLE
CALCIUM (TOTAL)	-	21700	25400	17800	17900
CHLORIDE	-	64800	13400	76200	76600
MAGNESIUM (TOTAL)	-	27600	35300	21400	21500
NITROGEN, NITRATE (AS N)	10000	5700	< 100	6500	6800
PHOSPHATE, TOTAL (AS P)	-	1600	< 100	3600	3400
POTASSIUM (TOTAL)	-	8000	1900	12900	12600
SODIUM (TOTAL)	-	113000	19900	160300	157000
SULFATE	400000*	54600	26800	64800	65100

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-4g

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SPRING QUARTER, MAY 1991 - SUMMARY OF CHEMICAL ANALYSES OF SURFACE WATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
PCD-01	05/16/91		193	49.4	459	-	<500	8.16	680	23.2
PCD-01	05/21/91		-	-	-	25.2	-	-	-	-
PCU-01	05/16/91		184	496.0	277	-	<500	8.75	381	20.7
PCU-01	05/21/91		-	-	-	38.5	-	-	-	-
STPO	05/16/91		220	279.0	558	-	<500	7.34	982	23.9
STPO	05/16/91	D	229	186.0	563	-	<500	-	-	-
STPO	05/21/91		-	-	-	4.5	-	-	-	-
STPO	05/21/91	D	-	-	-	4.6	-	-	-	-

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample - = Parameter not analyzed.

pH-F = pH measured in the field.

EC-F = electroconductivity as measured in the field.

APPENDIX H
SECTION 4

SUMMER QUARTER, AUGUST 1991

TABLE H-5a - VOLATILE ORGANIC COMPOUNDS
TABLE H-5b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE H-5c - PESTICIDES AND PCBs
TABLE H-5d - METALS
TABLE H-5e - RADIONUCLIDES
TABLE H-5f - ANIONS AND CATIONS
TABLE H-5g - GENERAL CHEMICAL PARAMETERS

TABLE H-5a

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 08/08/91	PCU-01 08/08/91	STPO 08/08/91	STPO-B 08/08/91 DUPLICATE SAMPLE	TRIP BLANK-18 08/08/91 TRAVEL CONTROL	TRIP BLANK-19 08/08/91 TRAVEL CONTROL
1,1,1-TRICHLOROETHANE	200.0	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9	< 6.9
1,1,2-TRICHLOROETHANE	32.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	5.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
1,1-DICHLOROETHENE	6.0	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROBENZENE	600.0*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
1,2-DICHLOROPROPANE	5.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
1,3-DICHLOROBENZENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-CHLOROETHYLVINYL ETHER	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BENZENE	1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
BROMODICHLOROMETHANE	100.0	5.8	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
BROMOFORM	100.0	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
BROMOMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CARBON TETRACHLORIDE	0.5	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8	< 2.8
CHLOROBENZENE	30.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
CHLOROETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

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MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE H-5a (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 08/08/91	PCU-01 08/08/91	STPO 08/08/91	STPO-B 08/08/91 DUPLICATE SAMPLE	TRIP BLANK-18 08/08/91 TRAVEL CONTROL	TRIP BLANK-19 08/08/91 TRAVEL CONTROL
CHLOROFORM	100.0	14.0	< 1.6	5.7	5.8	< 1.6	< 1.6
CHLOROMETHANE	-	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
CIS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	100.0	3.4	< 3.1	< 3.1	< 3.1	< 3.1	< 3.1
ETHYL BENZENE	680.0	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2	< 7.2
METHYLENE CHLORIDE	5.0*	< 2.8	< 2.8	< 2.8	4.4	< 2.8	< 2.8
TETRACHLOROETHENE	5.0	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1	< 4.1
TOLUENE	1000.0#	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
TRANS-1,2-DICHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
TRANS-1,3-DICHLOROPROPENE	-	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	5.0	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
TRICHLOROFLUOROMETHANE	150.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

All units reported as ug/liter

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TABLE H-5b

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 08/08/91	PCU-01 08/08/91	STPO 08/08/91	STPO-B 08/08/91 DUPLICATE SAMPLE
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7	< 4.7
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9	< 1.9
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0	< 3.0

All units reported as ug/liter

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- = Parameter not analyzed.

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* = Proposed USEPA MCL.

TABLE H-5b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 08/08/91	PCU-01 08/08/91	STPO 08/08/91	STPO-B 08/08/91 DUPLICATE SAMPLE
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3	< 5.3
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5	< 2.5
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0	<10.0

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TABLE H-5b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 08/08/91	PCU-01 08/08/91	STPO 08/08/91	STPO-B 08/08/91 DUPLICATE SAMPLE
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	4.4	< 2.5	4.6	4.4
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2	< 2.2
FLUORENE	-	< 1.9	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9	< 1.9
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9	< 0.9

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

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* = Proposed USEPA MCL.

TABLE H-5b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 08/08/91	PCU-01 08/08/91	STPO 08/08/91	STPO-B 08/08/91 DUPLICATE SAMPLE
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0	<30.0
PCB-1242	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0	<40.0
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9	< 1.9

All units reported as ug/liter

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TABLE H-5b (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE		PCD-01	PCU-01	STPO	STPO-B
DATE		08/08/91	08/08/91	08/08/91	08/08/91
QA	MCL				DUPLICATE
	ug/L				SAMPLE
TOXAPHENE	5.00	<10.0	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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- = Parameter not analyzed.

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TABLE H-5c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE			PCD-01	PCU-01	STPO	STPO-B
DATE			08/08/91	08/08/91	08/08/91	08/08/91
QA	MCL					DUPLICATE
	ug/L					SAMPLE
4,4'-DDD	-		<0.011	<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	<0.003	<0.003	<0.003
BETA-BHC	0.30	c	<0.006	<0.006	<0.006	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	0.032	0.033
DIELDRIN	-		<0.002	<0.002	<0.002	<0.002
ENDOSULFAN I	-		<0.014	<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004	0.007
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004	0.009
HEPTACHLOR	0.01		<0.003	<0.003	0.012	0.018
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-5c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L	PCD-01 08/08/91	PCU-01 08/08/91	STPO 08/08/91	STPO-B 08/08/91 DUPLICATE SAMPLE
PCB-1221	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240	<0.240

All units reported as ug/liter

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- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-5d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		PCD-01 08/08/91	PCU-01 08/08/91	STPO 08/08/91	STPO-B 08/08/91 DUPLICATE SAMPLE
ANTIMONY (TOTAL)	5	*	3.0	3.0	2.0	3.0
ARSENIC (TOTAL)	50		< 10.0	< 10.0	< 10.0	< 10.0
BARIUM (TOTAL)	1000		120.0	110.0	60.0	40.0
BERYLLIUM (TOTAL)	1	*	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		< 30.0	< 30.0	< 30.0	< 30.0
CHROMIUM, HEXAVALENT (+6)	-		20.0	10.0	10.0	< 10.0
COBALT (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0
COPPER (TOTAL)	1300	*	50.0	< 30.0	30.0	< 30.0
LEAD (TOTAL)	50		7.0	3.0	7.0	4.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0
NICKEL (TOTAL)	100	*	< 30.0	< 30.0	< 30.0	< 30.0
SELENIUM (TOTAL)	10		< 10.0	< 10.0	< 10.0	< 10.0
SILVER (TOTAL)	50		< 30.0	< 30.0	30.0	50.0
THALLIUM (TOTAL)	2	*	1.0	2.0	< 1.0	< 1.0
VANADIUM (TOTAL)	-		< 50.0	< 50.0	< 50.0	< 50.0
ZINC (TOTAL)	-		40.0	30.0	100.0	70.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-5e

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

RADIONUCLIDES

SAMPLE		PCD-01	PCU-01	STPO	STPO-B
DATE		08/08/91	08/08/91	08/08/91	08/08/91
QA	MCL				DUPLICATE
	pCi/L				SAMPLE
GAMMA SPECTRAL ANALYSIS	-	< 4.0	< 1.0	< 0.0	< 2.0
GROSS ALPHA	15	3.0	< 2.0	< 2.0	< 2.0
GROSS ALPHA/ERROR	-	+/- 2.0	-	-	-
GROSS BETA	50	9.0	3.0	11.0	13.0
GROSS BETA/ERROR	-	+/- 3.0	+/- 2.0	+/- 3.0	+/- 3.0
STRONTIUM-90	8	1.8	< 0.5	< 0.5	< 0.5
STRONTIUM-90/ERROR	-	+/- 1.7	-	-	-
TRITIUM	20000	< 500.0	< 500.0	< 500.0	< 500.0

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

• = Proposed USEPA MCL.

TABLE H-5f

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	PCD-01 08/08/91	PCU-01 08/08/91	STPO 08/08/91	STPO-B 08/08/91 DUPLICATE SAMPLE
CALCIUM (TOTAL)	-	20100	25300	17900	17600
CHLORIDE	-	145760	32670	156180	161360
MAGNESIUM (TOTAL)	-	25300	36700	20400	20600
NITROGEN, NITRATE (AS N)	10000	3910	< 100	5220	5340
PHOSPHATE, TOTAL (AS P)	-	1500	< 100	3300	2700
POTASSIUM (TOTAL)	-	6200	3000	8300	8400
SODIUM (TOTAL)	-	106600	49800	129100	136900
SULFATE	400000*	55660	84560	64070	71940

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

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- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-5g

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

SUMMER QUARTER, AUGUST 1991 - SUMMARY OF CHEMICAL ANALYSES OF SURFACE WATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
PCD-01	08/08/91		194.03	25.73	568	26.00	<500	8.81	985	28.9
PCU-01	08/08/91		246.26	23.64	430	28.60	<500	9.20	691	25.6
STPO	08/08/91		217.41	23.77	632	7.33	<500	7.26	1166	27.2
STPO-B	08/08/91	D	215.17	20.66	615	4.83	<500	-	-	-

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample

pH-F = pH measured in the field.

EC-F = electroconductivity as measured in the field.

APPENDIX H
SECTION 5

FALL QUARTER, NOVEMBER 1991

TABLE H-6a - VOLATILE ORGANIC COMPOUNDS
TABLE H-6b - SEMIVOLATILE ORGANIC COMPOUNDS
TABLE H-6c - PESTICIDES AND PCBs
TABLE H-6d - METALS
TABLE H-6e - RADIONUCLIDES
TABLE H-6f - ANIONS AND CATIONS
TABLE H-6g - GENERAL CHEMICAL PARAMETERS

TABLE H-6a

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 11/21/91	PCD-B 11/21/91 DUPLICATE SAMPLE	PCU-01 11/21/91	STPO 11/21/91	TRIP BLANK-20 11/21/91 TRAVEL CONTROL	TRIP BLANK-21 11/21/91 TRAVEL CONTROL	TRIP BLANK-22 11/21/91 TRAVEL CONTROL
1,1,1-TRICHLOROETHANE	200.0	< 3.8 H	< 3.8 H	< 3.8 H	< 3.8 H	< 3.8 H	< 3.8 H	< 3.8 H
1,1,2,2-TETRACHLOROETHANE	1.0	< 6.9 H	< 6.9 H	< 6.9 H	< 6.9 H	< 6.9 H	< 6.9 H	< 6.9 H
1,1,2-TRICHLOROETHANE	32.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
1,1-DICHLOROETHANE	5.0	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H
1,1-DICHLOROETHENE	6.0	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H
1,2-DICHLOROBENZENE	600.0*	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
1,2-DICHLOROETHANE	0.5	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H
1,2-DICHLOROPROPANE	5.0	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H
1,3-DICHLOROBENZENE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
1,4-DICHLOROBENZENE	5.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
2-CHLOROETHYLVINYL ETHER	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
BENZENE	1.0	< 4.4 H	< 4.4 H	< 4.4 H	< 4.4 H	< 4.4 H	< 4.4 H	< 4.4 H
BROMODICHLOROMETHANE	100.0	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2 H	< 2.2 H
BROMOFORM	100.0	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H	< 4.7 H
BROMOMETHANE	-	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H
CARBON TETRACHLORIDE	0.5	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H
CHLOROBENZENE	30.0	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H
CHLOROETHANE	-	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H
CHLOROFORM	100.0	< 1.6 H	< 1.6 H	2.0 H	7.2 H	< 1.6 H	< 1.6 H	< 1.6 H

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. # = USEPA MCL effective July 30, 1992.

TABLE H-6a (cont.)

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

VOLATILE ORGANIC COMPOUNDS

EPA METHOD 624

SAMPLE DATE QA	MCL ug/L	PCD-01 11/21/91	PCD-B 11/21/91 DUPLICATE SAMPLE	PCU-01 11/21/91	STPO 11/21/91	TRIP BLANK-20 11/21/91 TRAVEL CONTROL	TRIP BLANK-21 11/21/91 TRAVEL CONTROL	TRIP BLANK-22 11/21/91 TRAVEL CONTROL
CHLOROMETHANE	-	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H
CIS-1,3-DICHLOROPROPENE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
DIBROMOCHLOROMETHANE	100.0	< 3.1 H	< 3.1 H	< 3.1 H	< 3.1 H	< 3.1 H	< 3.1 H	< 3.1 H
ETHYL BENZENE	680.0	< 7.2 H	< 7.2 H	< 7.2 H	< 7.2 H	< 7.2 H	< 7.2 H	< 7.2 H
METHYLENE CHLORIDE	5.0*	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H	< 2.8 H
TETRACHLOROETHENE	5.0	< 4.1 H	< 4.1 H	< 4.1 H	< 4.1 H	< 4.1 H	< 4.1 H	< 4.1 H
TOLUENE	1000.0#	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H	< 6.0 H
TRANS-1,2-DICHLOROETHANE	-	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6 H	< 1.6 H
TRANS-1,3-DICHLOROPROPENE	-	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
TRICHLOROETHENE	5.0	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H	< 1.9 H
TRICHLOROFLUOROMETHANE	150.0	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H	< 5.0 H
VINYL CHLORIDE	0.5	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H	<10.0 H

All units reported as ug/liter

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< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

H = Exceeded recommended holding time.

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TABLE H-6b

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE		PCD-01	PCU-01	STPO
DATE		11/21/91	11/21/91	11/21/91
QA	MCL ug/L			
1,2,4-TRICHLOROBENZENE	9.00*	< 1.9	< 1.9	< 1.9
1,2-DICHLOROBENZENE	600.00*	< 1.9	< 1.9	< 1.9
1,3-DICHLOROBENZENE	-	< 1.9	< 1.9	< 1.9
1,4-DICHLOROBENZENE	5.00	< 4.4	< 4.4	< 4.4
2,4,6-TRICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7
2,4-DICHLOROPHENOL	-	< 2.7	< 2.7	< 2.7
2,4-DIMETHYLPHENOL	-	< 2.7	< 2.7	< 2.7
2,4-DINITROPHENOL	-	<42.0	<42.0	<42.0
2,4-DINITROTOLUENE	-	< 5.7	< 5.7	< 5.7
2,6-DINITROTOLUENE	-	< 1.9	< 1.9	< 1.9
2-CHLORONAPHTHALENE	-	< 1.9	< 1.9	< 1.9
2-CHLOROPHENOL	-	< 3.3	< 3.3	< 3.3
2-METHYL-4,6-DINITROPHENOL	-	<24.0	<24.0	<24.0
2-NITROPHENOL	-	< 3.6	< 3.6	< 3.6
3,3'-DICHLOROBENZIDINE	-	<16.5	<16.5	<16.5
4,4'-DDD	-	< 2.8	< 2.8	< 2.8
4,4'-DDE	-	< 5.6	< 5.6	< 5.6
4,4'-DDT	-	< 4.7	< 4.7	< 4.7
4-BROMOPHENYL PHENYL ETHER	-	< 1.9	< 1.9	< 1.9

All units reported as ug/liter

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TABLE H-6b (cont.)

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE		PCD-01	PCU-01	STPO
DATE		11/21/91	11/21/91	11/21/91
QA	MCL ug/L			
4-CHLORO-3-METHYLPHENOL	-	< 3.0	< 3.0	< 3.0
4-CHLOROPHENYL PHENYL ETHER	-	< 4.2	< 4.2	< 4.2
4-NITROPHENOL	-	< 2.4	< 2.4	< 2.4
ACENAPHTHENE	-	< 1.9	< 1.9	< 1.9
ACENAPHTHYLENE	-	< 3.5	< 3.5	< 3.5
ALDRIN	0.05c	< 1.9	< 1.9	< 1.9
ALPHA-BHC	0.70c	< 5.0	< 5.0	< 5.0
ANTHRACENE	-	< 1.9	< 1.9	< 1.9
BENZIDINE	-	<44.0	<44.0	<44.0
BENZO(A)ANTHRACENE	0.10*	< 7.8	< 7.8	< 7.8
BENZO(A)PYRENE	0.20*	< 2.5	< 2.5	< 2.5
BENZO(B)FLUORANTHENE	0.20*	< 4.8	< 4.8	< 4.8
BENZO(GHI)PERYLENE	-	< 4.1	< 4.1	< 4.1
BENZO(K)FLUORANTHENE	0.20*	< 2.5	< 2.5	< 2.5
BENZYL BUTYL PHTHALATE	-	< 2.5	< 2.5	< 2.5
BETA-BHC	0.30c	< 4.2	< 4.2	< 4.2
BIS(2-CHLOROETHOXY)METHANE	-	< 5.3	< 5.3	< 5.3
BIS(2-CHLOROETHYL)ETHER	-	< 5.7	< 5.7	< 5.7
BIS(2-ETHYLHEXYL)PHTHALATE	4.00	< 2.5	< 2.5	< 2.5

All units reported as ug/liter

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- = Parameter not analyzed.

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* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-6b (cont.)
D.O.E. PHASE II LEHR
FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS
EPA METHOD 625

SAMPLE DATE QA	MCL ug/L	PCD-01 11/21/91	PCU-01 11/21/91	STPO 11/21/91
BIS(2-ISOPROPYL)ETHER	-	< 5.7	< 5.7	< 5.7
CHLORDANE	0.10	<10.0	<10.0	<10.0
CHRYSENE	0.20*	< 2.5	< 2.5	< 2.5
DELTA-BHC	-	< 3.1	< 3.1	< 3.1
DI-N-BUTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5
DI-N-OCTYLPHTHALATE	-	< 2.5	< 2.5	< 2.5
DIBENZO(A,H)ANTHRACENE	0.30*	< 2.5	< 2.5	< 2.5
DIELDRIN	-	< 2.5	< 2.5	< 2.5
DIETHYL PHTHALATE	4.00	<22.0	<22.0	<22.0
DIMETHYL PHTHALATE	-	< 1.6	< 1.6	< 1.6
ENDOSULFAN I	-	< 5.0	< 5.0	< 5.0
ENDOSULFAN II	-	< 3.0	< 3.0	< 3.0
ENDOSULFAN SULFATE	-	< 5.6	< 5.6	< 5.6
ENDRIN	0.20	< 1.5	< 1.5	< 1.5
ENDRIN ALDEHYDE	-	< 7.0	< 7.0	< 7.0
FLUORANTHENE	-	< 2.2	< 2.2	< 2.2
FLUORENE	-	< 1.9	< 1.9	< 1.9
GAMMA-BHC	4.00	< 5.0	< 5.0	< 5.0
HEPTACHLOR	0.01	< 1.9	< 1.9	< 1.9

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.
< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.
- = Parameter not analyzed.
MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.
* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-6b (cont.)

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE		PCD-01	PCU-01	STPO
DATE		11/21/91	11/21/91	11/21/91
QA	MCL			
	ug/L			
HEPTACHLOR EPOXIDE	0.01	< 2.2	< 2.2	< 2.2
HEXACHLOROBENZENE	1.00*	< 1.9	< 1.9	< 1.9
HEXACHLOROBUTADIENE	-	< 0.9	< 0.9	< 0.9
HEXACHLOROCYCLOPENTADIENE	50.00*	<10.0	<10.0	<10.0
HEXACHLOROETHANE	-	< 1.6	< 1.6	< 1.6
INDENO(1,2,3-CD)PYRENE	0.40*	< 3.7	< 3.7	< 3.7
ISOPHORONE	-	< 2.2	< 2.2	< 2.2
N-NITROSODI-N-PROPYLAMINE	-	< 4.6	< 4.6	< 4.6
N-NITROSODIMETHYLAMINE	-	<10.0	<10.0	<10.0
N-NITROSODIPHENYLAMINE	-	< 5.0	< 5.0	< 5.0
NAPHTHALENE	-	< 1.6	< 1.6	< 1.6
NITROBENZENE	-	< 1.9	< 1.9	< 1.9
PCB-1016	0.50	<30.0	<30.0	<30.0
PCB-1221	0.50	<30.0	<30.0	<30.0
PCB-1232	0.50	<30.0	<30.0	<30.0
PCB-1242	0.50	<40.0	<40.0	<40.0
PCB-1248	0.50	<40.0	<40.0	<40.0
PCB-1254	0.50	<40.0	<40.0	<40.0
PCB-1260	0.50	<40.0	<40.0	<40.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-6b (cont.)

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

SEMIVOLATILE ORGANIC COMPOUNDS

EPA METHOD 625

SAMPLE		PCD-01	PCU-01	STPO
DATE		11/21/91	11/21/91	11/21/91
QA	MCL			
	ug/L			
PENTACHLOROPHENOL	0.10*	< 3.6	< 3.6	< 3.6
PHENANTHRENE	-	< 5.4	< 5.4	< 5.4
PHENOL	-	< 1.5	< 1.5	< 1.5
PYRENE	-	< 1.9	< 1.9	< 1.9
TOXAPHENE	5.00	<10.0	<10.0	<10.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-6c

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE DATE QA	MCL ug/L		PCD-01 11/21/91	PCU-01 11/21/91	STPO 11/21/91
4,4'-DDD	-		<0.011	<0.011	<0.011
4,4'-DDE	-		<0.004	<0.004	<0.004
4,4'-DDT	-		<0.012	<0.012	<0.012
ALDRIN	0.05	c	<0.004	<0.004	<0.004
ALPHA-BHC	0.70	c	<0.003	<0.003	0.010
BETA-BHC	0.30	c	<0.006	<0.006	<0.006
CHLORDANE	0.10		<0.014	<0.014	<0.014
DELTA-BHC	-		<0.009	<0.009	<0.009
DIELDRIN	-		<0.002	<0.002	<0.002
ENDOSULFAN I	-		<0.014	<0.014	<0.014
ENDOSULFAN II	-		<0.004	<0.004	<0.004
ENDOSULFAN SULFATE	-		<0.066	<0.066	<0.066
ENDRIN	0.20		<0.006	<0.006	<0.006
ENDRIN ALDEHYDE	-		<0.023	<0.023	<0.023
GAMMA-BHC	4.00		<0.004	<0.004	<0.004
HEPTACHLOR	0.01		<0.003	<0.003	<0.003
HEPTACHLOR EPOXIDE	0.01		<0.083	<0.083	<0.083
PCB-1016	0.50		<0.250	<0.250	<0.250

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-6c (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ORGANOCHLORINE PESTICIDES and PCBs

EPA METHOD 608

SAMPLE		PCD-01	PCU-01	STPO
DATE		11/21/91	11/21/91	11/21/91
QA	MCL ug/L			
PCB-1221	0.50	<0.250	<0.250	<0.250
PCB-1232	0.50	<0.250	<0.250	<0.250
PCB-1242	0.50	<0.250	<0.250	<0.250
PCB-1248	0.50	<0.250	<0.250	<0.250
PCB-1254	0.50	<0.250	<0.250	<0.250
PCB-1260	0.50	<0.250	<0.250	<0.250
TOXAPHENE	5.00	<0.240	<0.240	<0.240

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

- = Parameter not analyzed.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL. c = California State Action Level, Dept. of Health Services.

TABLE H-6d

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

METALS

SAMPLE DATE QA	MCL ug/L		PCD-01 11/21/91	PCD-B 11/21/91 DUPLICATE SAMPLE	PCD-B-F 11/21/91 DUPLICATE SAMPLE	PCD-F 11/21/91	PCU-01 11/21/91	PCU-F 11/21/91	STPO 11/21/91
ANTIMONY (TOTAL)	5	*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
ARSENIC (TOTAL)	50		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
BARIUM (TOTAL)	1000		<30.0	60.0	60.0	60.0	80.0	80.0	30.0
BERYLLIUM (TOTAL)	1	*	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CADMIUM (TOTAL)	10		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHROMIUM (TOTAL)	50		70.0	<30.0	<30.0	<30.0	<30.0	<30.0	70.0
CHROMIUM, HEXAVALENT (+6)	-		<10.0	<10.0	-	-	<10.0	-	<10.0
COBALT (TOTAL)	-		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
COPPER (TOTAL)	1300	*	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
LEAD (TOTAL)	50		1.0	1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.0
MERCURY (TOTAL)	2		< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
MOLYBDENUM (TOTAL)	-		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	71.0
NICKEL (TOTAL)	100	*	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
SELENIUM (TOTAL)	10		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	54.0
SILVER (TOTAL)	50		80.0	<30.0	<30.0	<30.0	<30.0	<30.0	80.0
THALLIUM (TOTAL)	2	*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VANADIUM (TOTAL)	-		<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
ZINC (TOTAL)	-		<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

Sample names ending in "-F" are filtered samples.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-6d (cont.)

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

WINTER QUARTER, FEBRUARY 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

METALS

SAMPLE			STPO-F
DATE			11/21/91
QA	MCL ug/L		
ANTIMONY (TOTAL)	5	*	<10.0
ARSENIC (TOTAL)	50		<10.0
BARIUM (TOTAL)	1000		<30.0
BERYLLIUM (TOTAL)	1	*	< 1.0
CADMIUM (TOTAL)	10		< 1.0
CHROMIUM (TOTAL)	50		<30.0
CHROMIUM, HEXAVALENT (+6)	-		-
COBALT (TOTAL)	-		<50.0
COPPER (TOTAL)	1300	*	<30.0
LEAD (TOTAL)	50		1.0
MERCURY (TOTAL)	2		< 0.4
MOLYBDENUM (TOTAL)	-		50.0
NICKEL (TOTAL)	100	*	<30.0
SELENIUM (TOTAL)	10		39.0
SILVER (TOTAL)	50		<30.0
THALLIUM (TOTAL)	2	*	< 5.0
VANADIUM (TOTAL)	-		<50.0
ZINC (TOTAL)	-		30.0

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

Sample names ending in "-F" are filtered samples.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-6e

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

RADIONUCLIDES

SAMPLE		PCD-01	PCD-B	PCU-01	STPO
DATE		11/21/91	11/21/91	11/21/91	11/21/91
QA	MCL		DUPLICATE		
	pCi/L		SAMPLE		
GAMMA SPECTRAL ANALYSIS	-	< 30.0	< 33.0	<103.0	< 15.0
GROSS ALPHA	15	31.0	25.0	< 2.0	< 2.0
GROSS ALPHA/ERROR	-	+/-6.0	+/-5.0	-	-
GROSS BETA	50	62.0	46.0	< 3.0	4.0
GROSS BETA/ERROR	-	+/-8.0	+/-8.0	-	+/-3.0
STRONTIUM-90	8	< 0.5	< 0.5	< 0.5	< 0.5
TRITIUM	20000	<500.0	<500.0	<500.0	<500.0

All units reported as pCi/liter

QA = Samples taken as part of the quality assurance program.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-6f

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ANIONS AND CATIONS

SAMPLE DATE QA	MCL ug/L	PCD-01 11/21/91	PCD-B 11/21/91 DUPLICATE SAMPLE	PCD-B-F 11/21/91 DUPLICATE SAMPLE	PCD-F 11/21/91	PCU-01 11/21/91	PCU-F 11/21/91	STPO 11/21/91
CALCIUM (TOTAL)	-	19900	20000	20100	20100	20600	20300	18600
CHLORIDE	-	50200	57000	-	-	8490	-	106000
MAGNESIUM (TOTAL)	-	28300	28500	28700	28500	32100	30800	23100
NITROGEN, NITRATE (AS N)	10000	4080	3470	-	-	< 100	-	10940
PHOSPHATE, TOTAL (AS P)	-	3000	3200	-	-	< 310	-	11700
POTASSIUM (TOTAL)	-	4800	4700	4500	4600	16900	1700	13800
SODIUM (TOTAL)	-	40200	38300	34700	36000	23400	23800	249000
SULFATE	400000*	30000	30600	-	-	22400	-	50400

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

Sample names ending in "-F" are filtered samples.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-6f (cont.)

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF ANALYSES OF SURFACE WATER SAMPLES

ANIONS AND CATIONS

SAMPLE		STPO-F
DATE		11/21/91
QA	MCL	
	ug/L	
CALCIUM (TOTAL)	-	18600
CHLORIDE	-	-
MAGNESIUM (TOTAL)	-	22800
NITROGEN, NITRATE (AS N)	10000	-
PHOSPHATE, TOTAL (AS P)	-	-
POTASSIUM (TOTAL)	-	12900
SODIUM (TOTAL)	-	286000
SULFATE	400000*	-

All units reported as ug/liter

QA = Samples taken as part of the quality assurance program. - = Parameter not analyzed.

< = Constituent below detection limit. Detection limits may vary depending on interference by other sample constituents.

Sample names ending in "-F" are filtered samples.

MCL = Maximum Contaminant Level (primary), Title 22, Division 4, Chapter 15.

* = Proposed USEPA MCL.

TABLE H-6g

D.O.E. PHASE II LEHR

FALL QUARTER, NOVEMBER 1991 - SUMMARY OF CHEMICAL ANALYSES OF SURFACE WATER SAMPLES

GENERAL CHEMICAL PARAMETERS

SAMPLE	DATE	QA	ALKALINITY TOTAL(AS CACO3) mg/liter	CHEMICAL OXYGEN DEMAND mg/liter	TOTAL DISSOLVED SOLIDS mg/liter	TURBIDITY NTU	FORMALDEHYDE ug/ml	pH-F	EC-F umhos/cm	TEMPERATURE degrees C
PCD-01	11/21/91		183	32.0	323	8.80	<500	8.55	569	16.0
PCD-B	11/21/91	D	200	40.0	306	8.70	<500	-	-	-
PCU-01	11/21/91		185	27.2	196	8.52	<500	8.36	373	10.5
STPO	11/21/91		183	46.4	605	8.55	<500	7.39	1110	20.0

QA field indicates samples taken as a part of the on site Quality Assurance Program

D = Duplicate sample. - = Parameter not analyzed.

pH-F = pH measured in the field.

EC-F = electroconductivity as measured in the field.

APPENDIX H
SECTION 6

RELATIVE PERCENT DIFFERENCE FOR DUPLICATES

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

TABLE H-7

D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT

RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, SURFACE WATER (FALL QUARTER, NOVEMBER 1990)

	SAMPLE	PCU-01	PCU-01	PCU-01
	DATE	11/09/90	11/09/90	11/09/90
	QA		D	RPD (%)
	ANALYTE			
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	198	198	0
	CHEMICAL OXYGEN DEMAND (mg/liter)	23.3	25.8	10
	EC-F ((umhos/cm)	1080	-	NR
	TEMPERATURE (degrees C)	16.5	-	NR
	TOTAL DISSOLVED SOLIDS (mg/liter)	642	646	1
	TURBIDITY (NTU)	6.49	14.1	74
	TURBIDITY-F (NTU)	8	-	NR
	pH-F	7.2	-	NR
METALS (ug/liter)	ANTIMONY (TOTAL)	90	100	11
	BARIUM (TOTAL)	40	40	0
	BERYLLIUM (TOTAL)	4	6	40
	CADMIUM (TOTAL)	2	2	0
	CHROMIUM (TOTAL)	60	30	67
	CHROMIUM, HEXAVALENT (+6)	-	10	-
	LEAD (TOTAL)	2	2	0
	MOLYBDENUM (TOTAL)	60	50	18
	THALLIUM (TOTAL)	90	90	0
	ZINC (TOTAL)	39	42	7
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	18800	20100	7
	CHLORIDE	156000	148000	5
	MAGNESIUM (TOTAL)	21500	21700	1
	NITROGEN, NITRATE (AS N)	7300	7300	0
	PHOSPHATE, TOTAL (AS P)	4500	4100	9
	POTASSIUM (TOTAL)	10400	10400	0
	SODIUM (TOTAL)	104200	102200	2
	SULFATE	75700	80200	6
VOLATILE ORGANICS (ug/liter)	CHLOROFORM	4.9	4.2	15
CHLORINATED PESTICIDES AND PCBS (ug/liter)	ALPHA-BHC	-	0.008	-
	DELTA-BHC	0.023	0.02	14
RADIOCHEMICAL ANALYSES (pCi/liter)	GROSS BETA	17	13	27
	STRONTIUM-90	2.6	4.2	47
	TRITIUM	1341	1094	20

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

TABLE H-7 (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, SURFACE WATER (WINTER QUARTER, FEBRUARY 1991)

	SAMPLE	PCU-01	PCU-01	PCU-01
	DATE	02/06/91	02/06/91	02/06/91
	QA		D	RPD (%)
	ANALYTE			
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	115	117	2
	CHEMICAL OXYGEN DEMAND (mg/liter)	90.8	101	11
	EC-F (umhos/cm)	365	-	NR
	TEMPERATURE (degrees C)	14.11	-	NR
	TOTAL DISSOLVED SOLIDS (mg/liter)	202	233	14
	TURBIDITY (NTU)	52.1	58.3	11
	TURBIDITY-F (NTU)	8.26	-	NR
	pH-F	40	80	67
METALS (ug/liter)	BERYLLIUM (TOTAL)	1	1	0
	CADMIUM (TOTAL)	1	2	67
	COPPER (TOTAL)	-	30	-
	LEAD (TOTAL)	4	7	55
	NICKEL (TOTAL)	50	70	33
	ZINC (TOTAL)	50	60	18
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	10800	12400	14
	CHLORIDE	28600	36500	24
	MAGNESIUM (TOTAL)	5970	5070	16
	NITROGEN, NITRATE (AS N)	400	1200	100
	PHOSPHATE, TOTAL (AS P)	1000	1400	33
	POTASSIUM (TOTAL)	6190	7750	22
	SODIUM (TOTAL)	35800	39000	9
	SULFATE	36200	40900	12
CHLORINATED PESTICIDES AND PCBS (ug/liter)	4,4'-DDD	0.018	0.022	20
	4,4'-DDE	0.005	-	-
	4,4'-DDT	0.013	0.015	14
	ALPHA-BHC	-	0.006	-
	BETA-BHC	-	0.024	-
	DIELDRIN	0.015	0.015	0
	ENDOSULFAN I	0.103	0.093	10
	ENDOSULFAN II	0.007	0.006	15
	GAMMA-BHC	0.006	0.023	117
RADIOCHEMICAL ANALYSES (pCi/liter)	GROSS ALPHA	3	-	-
	GROSS BETA	7	15	73

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

TABLE H-7 (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, SURFACE WATER (SPRING QUARTER, MAY 1991)

	SAMPLE	STPO	STPO	STPO	STPO	STPO	STPO
	DATE	05/16/91	05/16/91	05/16/91	05/21/91	05/21/91	05/21/91
	QA		D	RPD (%)		D	RPD (%)
	ANALYTE						
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	220	229	4	-	-	-
	CHEMICAL OXYGEN DEMAND (mg/liter)	279	186	40	-	-	-
	EC-F ((umhos/cm)	982	-	NR	-	-	-
	TEMPERATURE (degrees C)	23.9	-	NR	-	-	-
	TOTAL DISSOLVED SOLIDS (mg/liter)	558	563	1	-	-	-
	TURBIDITY (NTU)	-	-	-	5	4.6	2
	TURBIDITY-F (NTU)	3.5	-	NR	-	-	-
	pH-F	7.34	-	NR	-	-	-
METALS (ug/liter)	ANTIMONY (TOTAL)	1	1	0	-	-	-
	CHROMIUM, HEXAVALENT (+6)	-	-	ERR	11	11	0
	LEAD (TOTAL)	1	1	0	-	-	-
	THALLIUM (TOTAL)	1	2	67	-	-	-
	ZINC (TOTAL)	30	30	0	-	-	-
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	17800	17900	1	-	-	-
	CHLORIDE	76200	76600	1	-	-	-
	MAGNESIUM (TOTAL)	21400	21500	0	-	-	-
	NITROGEN, NITRATE (AS N)	6500	6800	5	-	-	-
	PHOSPHATE, TOTAL (AS P)	3600	3400	6	-	-	-
	POTASSIUM (TOTAL)	12900	12600	2	-	-	-
	SODIUM (TOTAL)	160300	157000	2	-	-	-
	SULFATE	64800	65100	0	-	-	-
VOLATILE ORGANICS (ug/liter)	BROMODICHLOROMETHANE	2.2	-	-	-	-	-
	CHLOROFORM	3.1	3.1	0	-	-	-
	METHYLENE CHLORIDE	5.4	5.7	5	-	-	-
SEMIVOLATILE ORGANICS (ug/liter)	BIS(2-ETHYLHEXYL)PHTHALATE	4.4	7.8	56	-	-	-
CHLORINATED PESTICIDES AND PCBS (ug/liter)	BETA-BHC	-	0.019	-	-	-	-
	DELTA-BHC	-	0.013	-	-	-	-
RADIOCHEMICAL ANALYSES (pCi/liter)	GROSS ALPHA	-	3	-	-	-	-
	GROSS BETA	12	16	29	-	-	-

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

The STPO samples collected on 05/21/91 were analyzed only for hexavalent chromium and turbidity.

TABLE H-7 (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, SURFACE WATER (SUMMER QUARTER, AUGUST 1991)

	SAMPLE	STPO	STPO-B	STPO-B
	DATE	08/08/91	08/08/91	08/08/91
	QA		D	RPD (%)
	ANALYTE			
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	217.41	215.17	1
	CHEMICAL OXYGEN DEMAND (mg/liter)	23.77	20.66	14
	EC-F ((umhos/cm)	1166	-	NR
	TEMPERATURE (degrees C)	27.2	-	NR
	TOTAL DISSOLVED SOLIDS (mg/liter)	632	615	3
	TURBIDITY (NTU)	7.33	4.83	41
	TURBIDITY-F (NTU)	3.4	-	NR
	pH-F	7.26	-	NR
METALS (ug/liter)	ANTIMONY (TOTAL)	2	3	40
	BARIUM (TOTAL)	60	40	40
	CHROMIUM, HEXAVALENT (+6)	10	-	-
	COPPER (TOTAL)	30	-	-
	LEAD (TOTAL)	7	4	55
	SILVER (TOTAL)	30	50	50
	ZINC (TOTAL)	100	70	35
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	17900	17600	2
	CHLORIDE	156180	161360	3
	MAGNESIUM (TOTAL)	20400	20600	1
	NITROGEN, NITRATE (AS N)	5220	5340	2
	PHOSPHATE, TOTAL (AS P)	3300	2700	20
	POTASSIUM (TOTAL)	8300	8400	1
	SODIUM (TOTAL)	129100	136900	6
	SULFATE	64070	71940	12
VOLATILE ORGANICS (ug/liter)	CHLOROFORM	5.7	5.8	2
	METHYLENE CHLORIDE	-	4.4	-
CHLORINATED PESTICIDES AND PCBS (ug/liter)	DI-N-BUTYLPHTHALATE	4.6	4.4	4
	DELTA-BHC	0.032	0.033	3
	ENDOSULFAN II	-	0.007	-
	GAMMA-BHC	-	0.009	-
	HEPTACHLOR	0.012	0.018	40
RADIOCHEMICAL ANALYSES (pCi/liter)	GROSS BETA	11	13	17

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

TABLE H-7 (cont.)
D.O.E. PHASE II LEHR SITE CHARACTERIZATION REPORT
RELATIVE PERCENT DIFFERENCE FOR DUPLICATES, SURFACE WATER (FALL QUARTER, NOVEMBER 1991)

	SAMPLE	PCD-01	PCD-B	PCD-B	PCD-F	PCD-B-F	PCD-B-F
	DATE	11/21/91	11/21/91	11/21/91	11/21/91	11/21/91	11/21/91
	QA		D	RPD (%)		D	RPD (%)
	ANALYTE						
GENERAL CHEMICAL PARAMETERS	ALKALINITY TOTAL(AS CACO3) (mg/liter)	183	200	9	-	-	-
	CHEMICAL OXYGEN DEMAND (mg/liter)	32	40	22	-	-	-
	EC-F ((umhos/cm)	569	-	NR	-	-	-
	TEMPERATURE (degrees C)	16	-	NR	-	-	-
	TOTAL DISSOLVED SOLIDS (mg/liter)	323	306	5	-	-	-
	TURBIDITY (NTU)	8.8	8.7	1	-	-	-
	TURBIDITY-F (NTU)	9.28	-	NR	-	-	-
	pH-F	8.55	-	NR	-	-	-
METALS (ug/liter)	BARIUM (TOTAL)	-	60	-	60	60	0
	CHROMIUM (TOTAL)	70	-	-	-	-	ERR
	LEAD (TOTAL)	1	1	0	-	-	ERR
	SILVER (TOTAL)	80	-	-	-	-	ERR
ANIONS AND CATIONS (ug/liter)	CALCIUM (TOTAL)	19900	20000	1	20100	20100	0
	CHLORIDE	50200	57000	13	-	-	ERR
	MAGNESIUM (TOTAL)	28300	28500	1	28500	28700	1
	NITROGEN, NITRATE (AS N)	4080	3470	16	-	-	ERR
	PHOSPHATE, TOTAL (AS P)	3000	3200	6	-	-	ERR
	POTASSIUM (TOTAL)	4800	4700	2	4600	4500	2
	SODIUM (TOTAL)	40200	38300	5	36000	34700	4
	SULFATE	30000	30600	2	-	-	ERR
RADIOCHEMICAL ANALYSES (pCi/liter)	GROSS ALPHA	31	25	21	-	-	-
	GROSS BETA	62	46	30	-	-	-

- = Denotes either not detected or not analyzed.
D = Duplicate Sample.
F = Measured in field.
RPD = Relative Percent Difference (%)
ERR = Test not applicable - parameter not detected in either sample.
NR = Field analysis not replicated.

PCD-F and its duplicate PCD-B-F are filtered samples which were analyzed for metals and anions and cations only.

APPENDIX I

GROUNDWATER CONTOUR MAPS
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

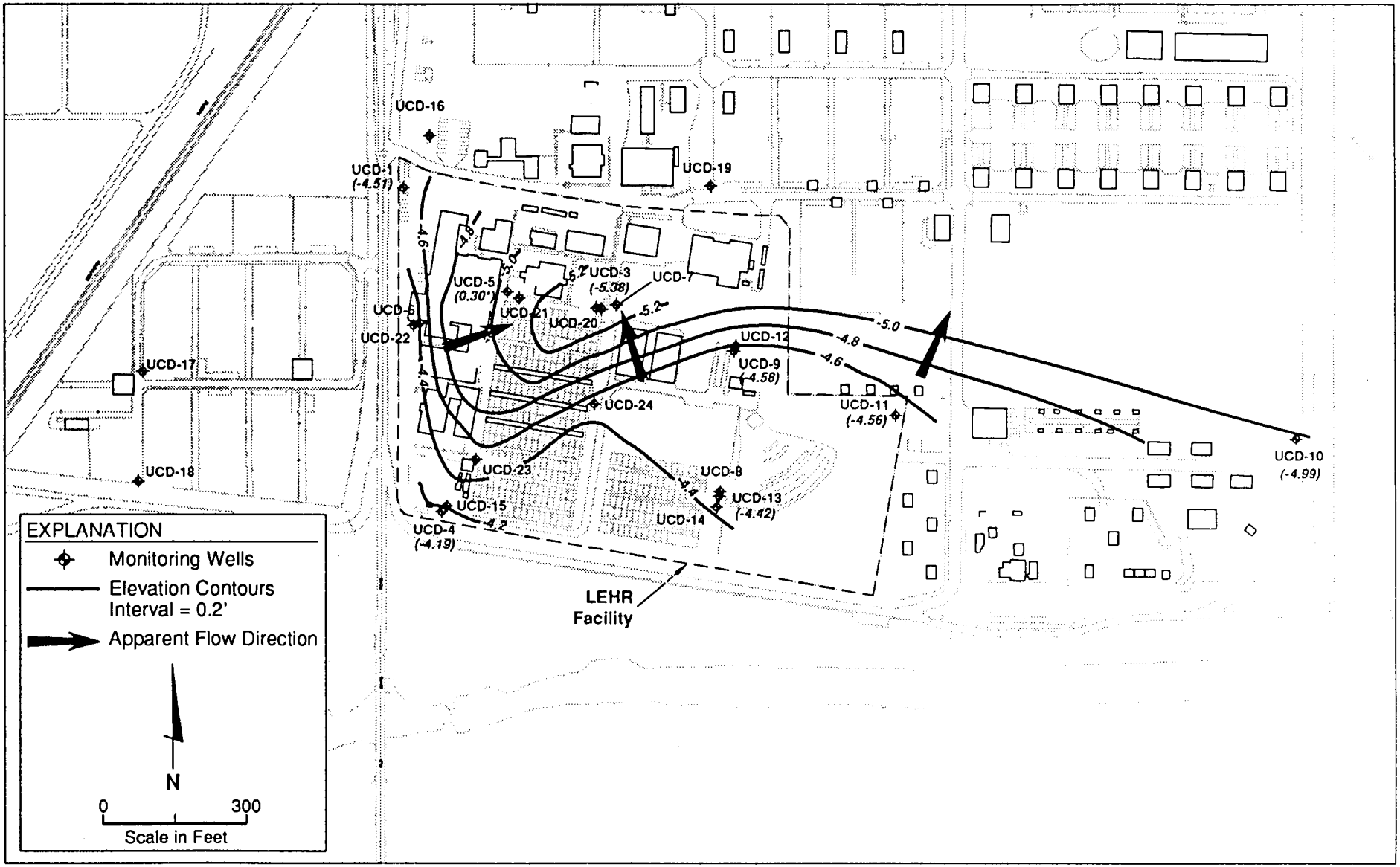
APPENDIX I

GROUNDWATER CONTOUR MAPS
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

Presented in this appendix are groundwater elevation contour maps constructed from groundwater levels measured in the LEHR site monitoring wells. The maps have been constructed from data collected weekly from November 1990 through February 1992. However, the contour maps presented have been constructed at approximate one-month intervals. Groundwater level data for wells UCD-18 through UCD-24 were not available until February 22, 1991. Separate maps are constructed using first HSU well water level data and second HSU well water level data. First HSU wells include UCD-1, UCD-3, UCD-4, UCD-5, UCD-6, UCD-8 through UCD-13, and UCD-18 through UCD-24. Second HSU wells include UCD-7 and UCD-14 through UCD-17. Groundwater elevation contour maps for groundwater levels measured on the dates listed below are presented in this appendix. Tabulated groundwater level data is presented in Section 1 of Appendix D.

GROUNDWATER CONTOUR MAP DATES

November 16, 1990
December 27, 1990
January 11, 1991
February 1, 1991
March 7, 1991
April 3, 1991
May 3, 1991
June 6, 1991
July 5, 1991
August 21, 1991
September 13, 1991
October 10, 1991
November 14, 1991

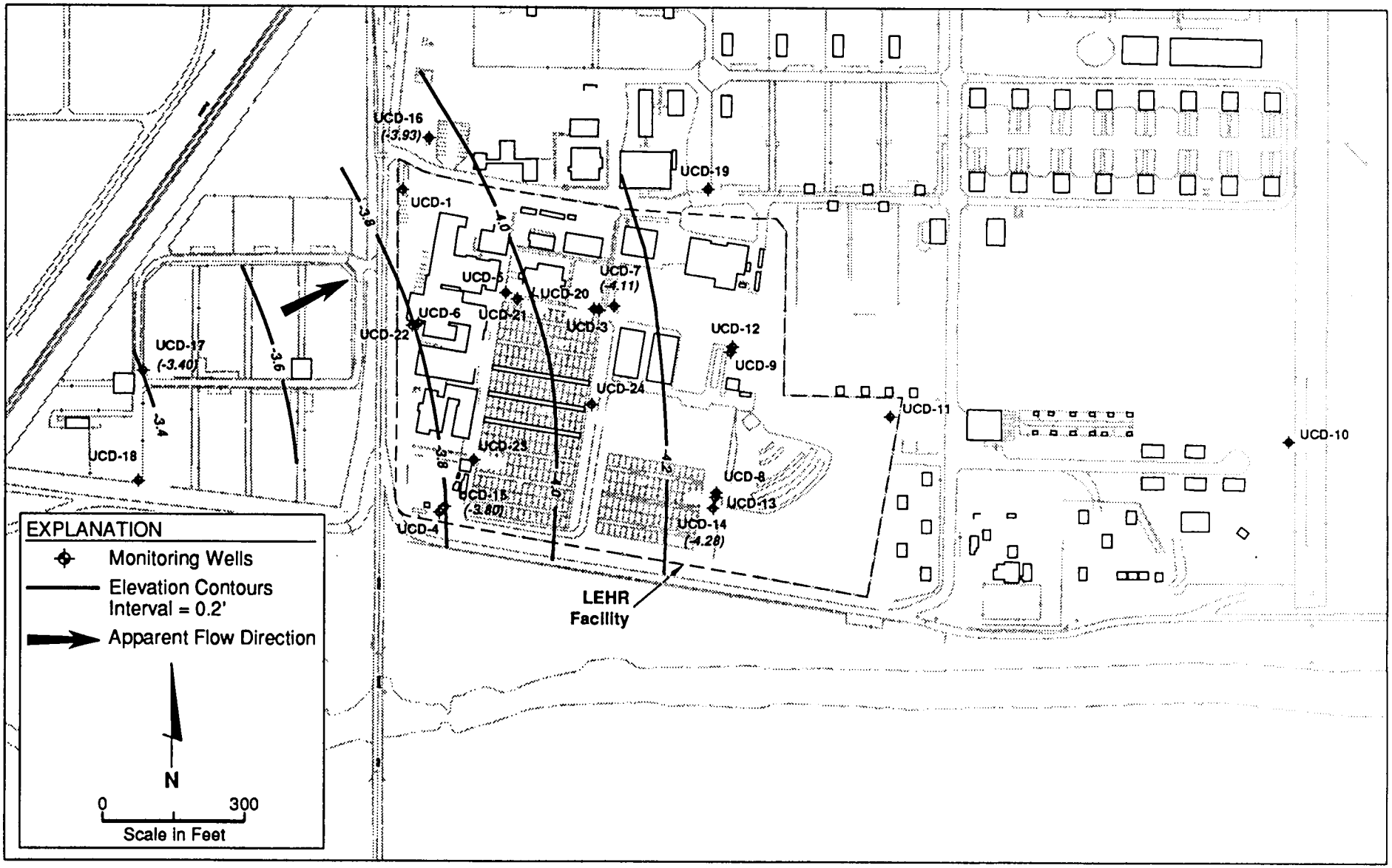


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
NOVEMBER 16, 1990

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 SJR 6/12/92 DOE-52

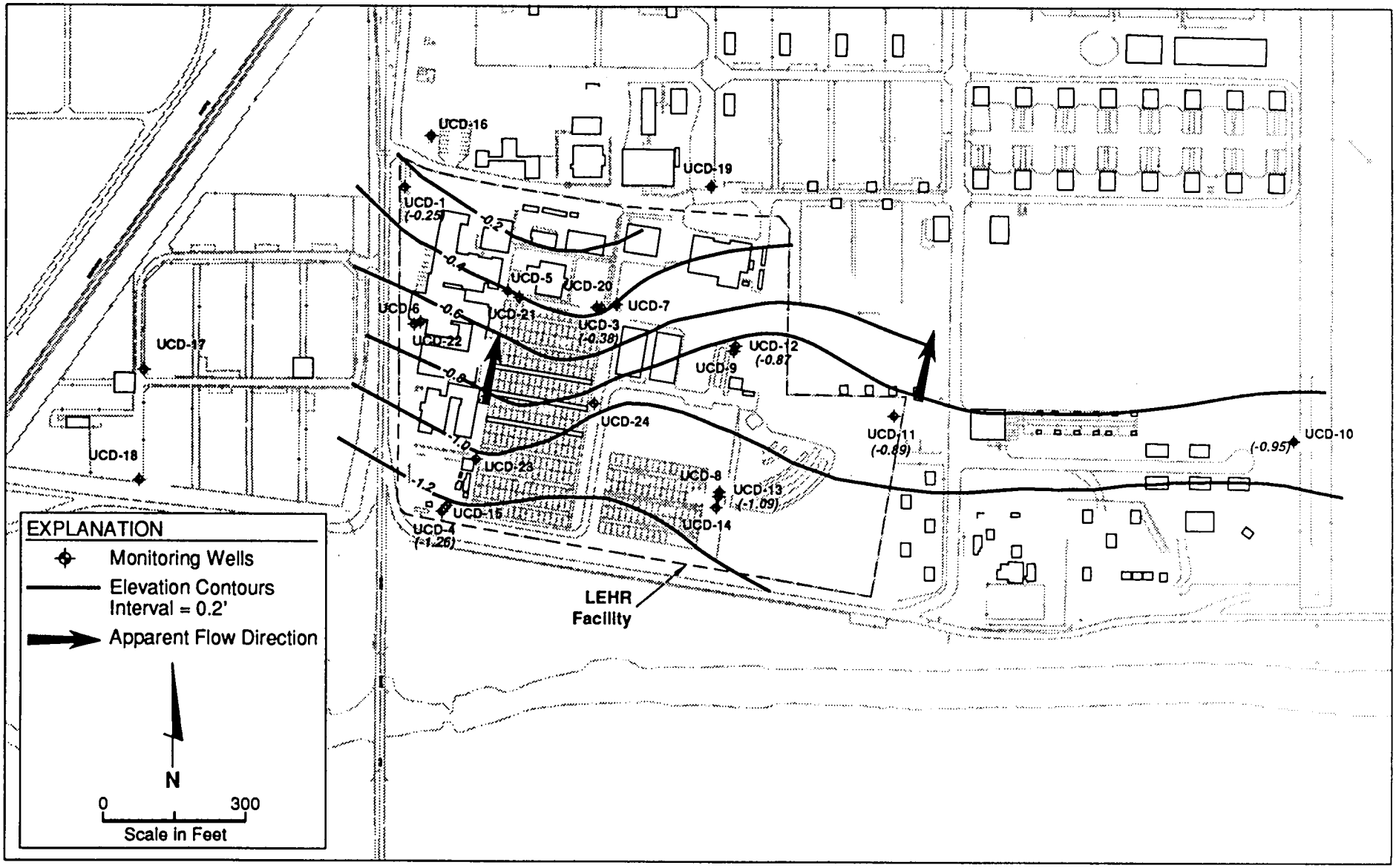


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
NOVEMBER 16, 1990

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 SJR 6/12/92 DOE-53

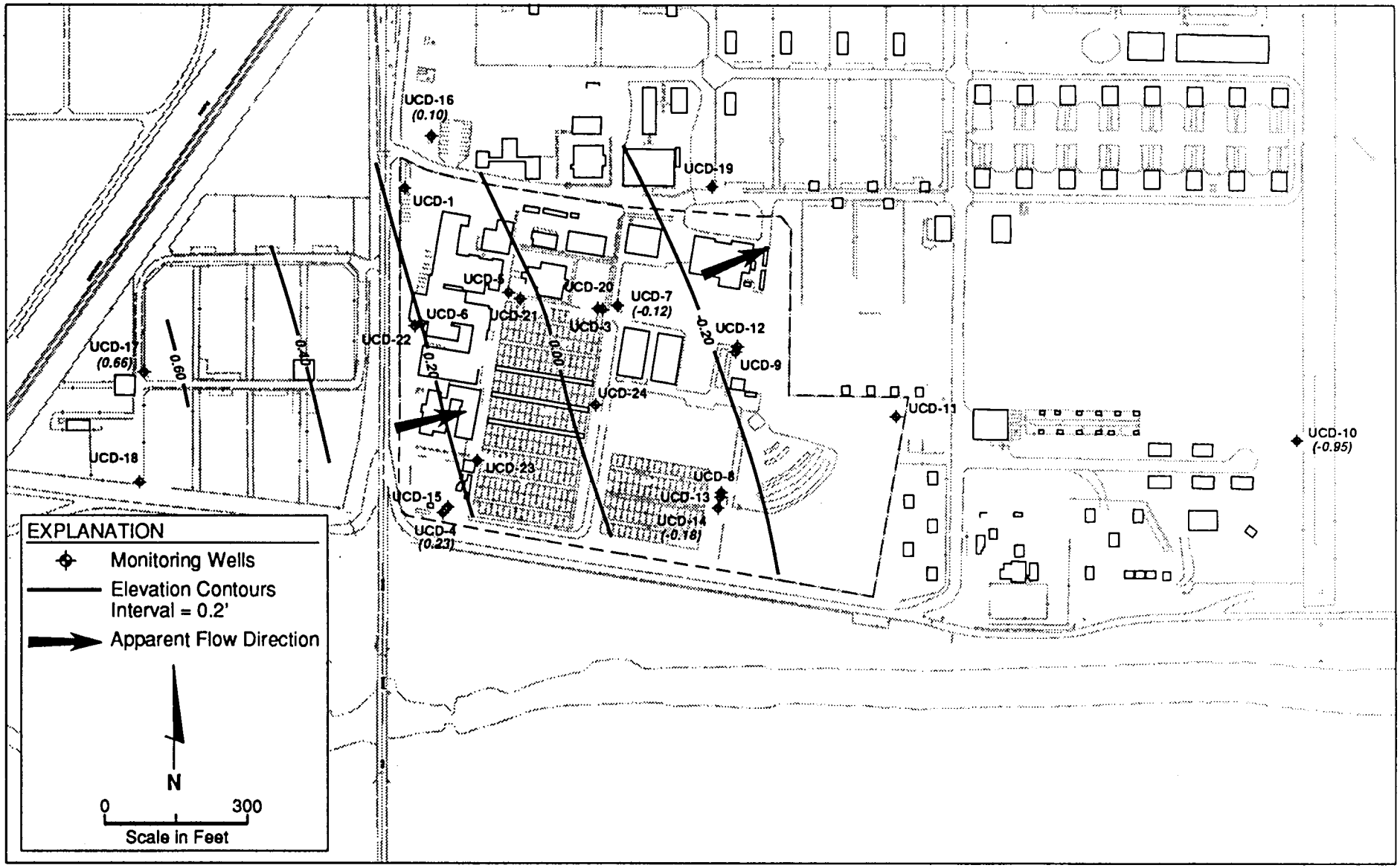


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
DECEMBER 27, 1990

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 SJR 6/12/92 DOE-54

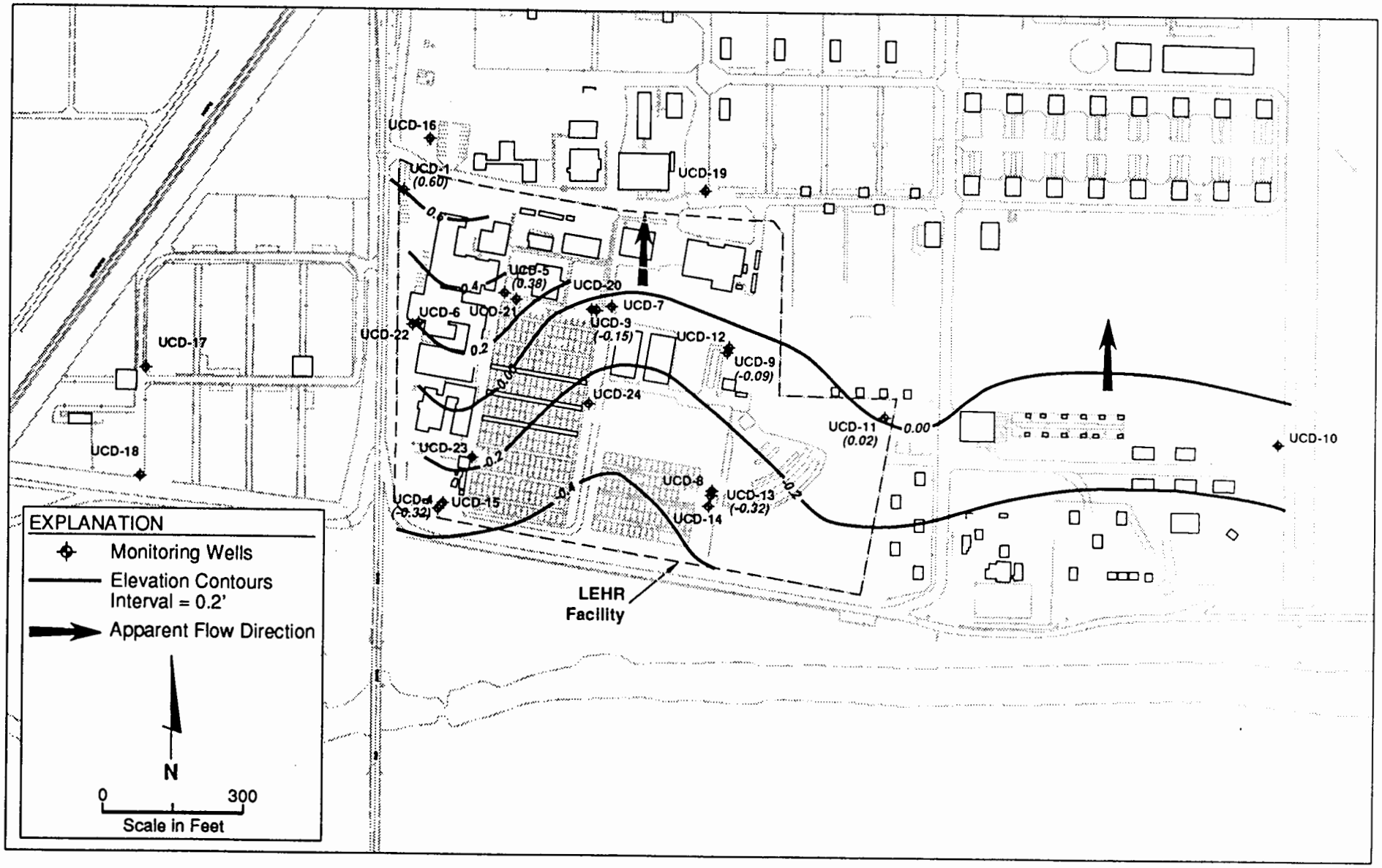


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
DECEMBER 27, 1990

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 SJR 6/12/92 DOE-55

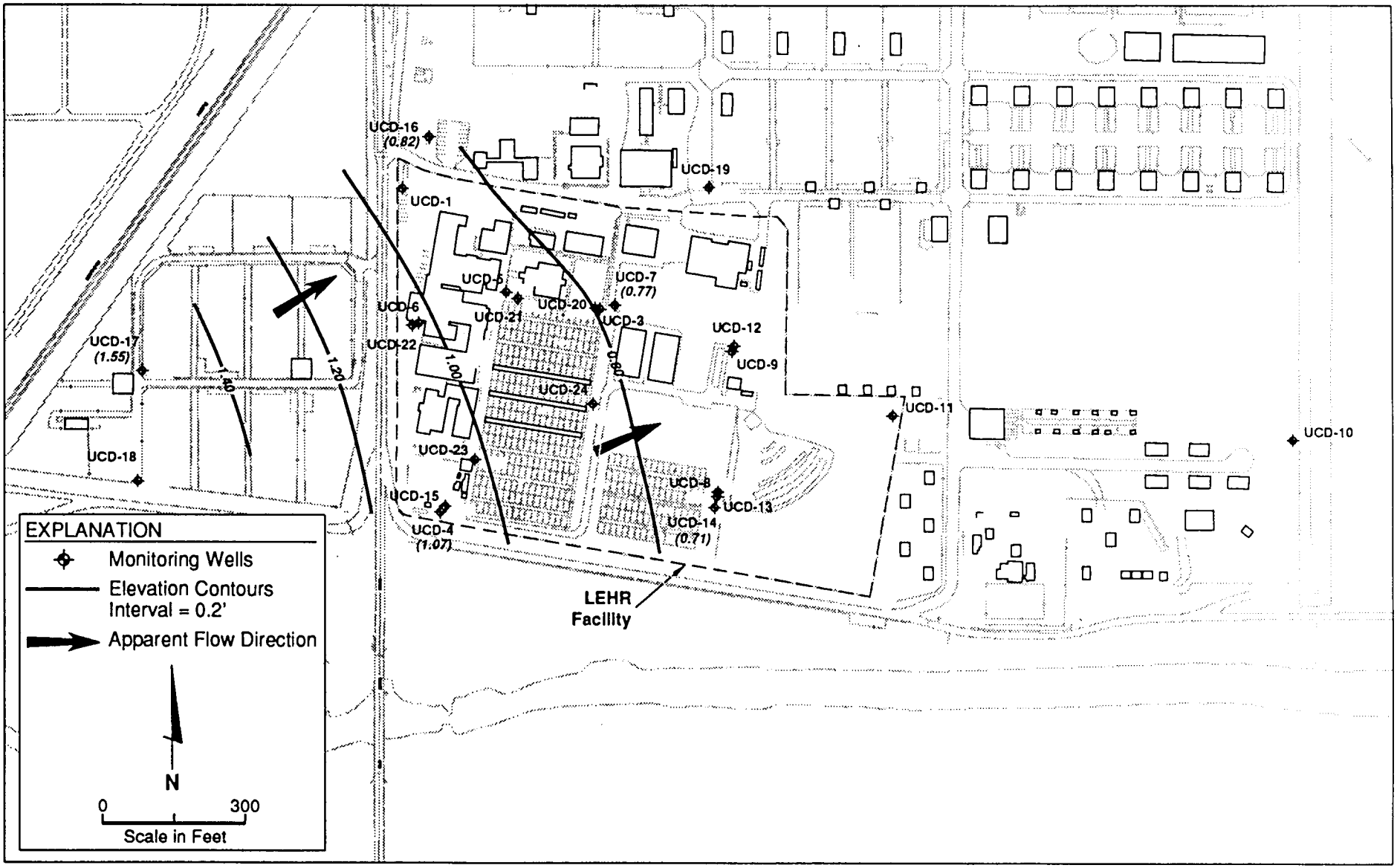


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
JANUARY 11, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 SJR 6/15/92 DOE-59

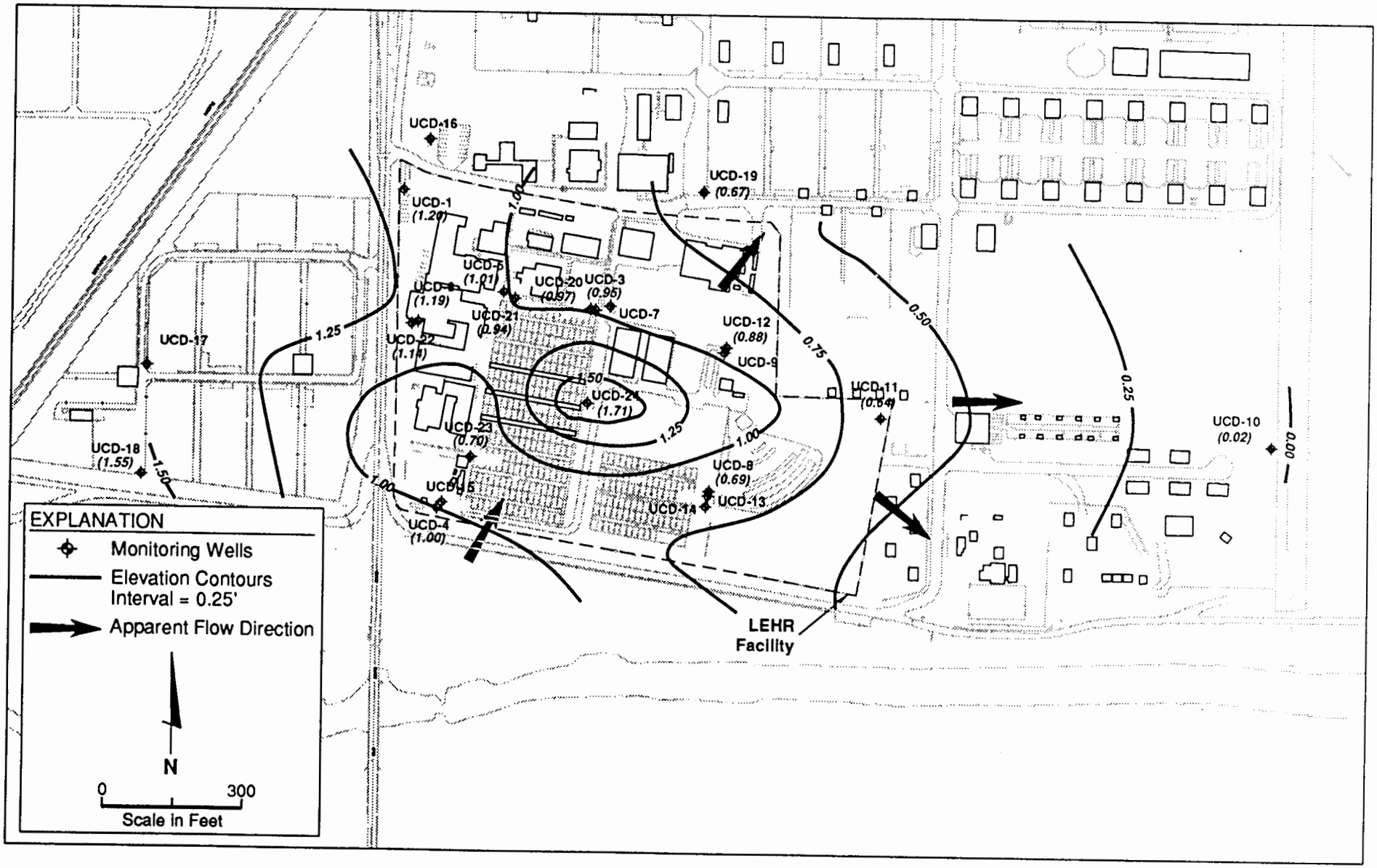


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
JANUARY 11, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 SJR 5/15/92 DOE-61

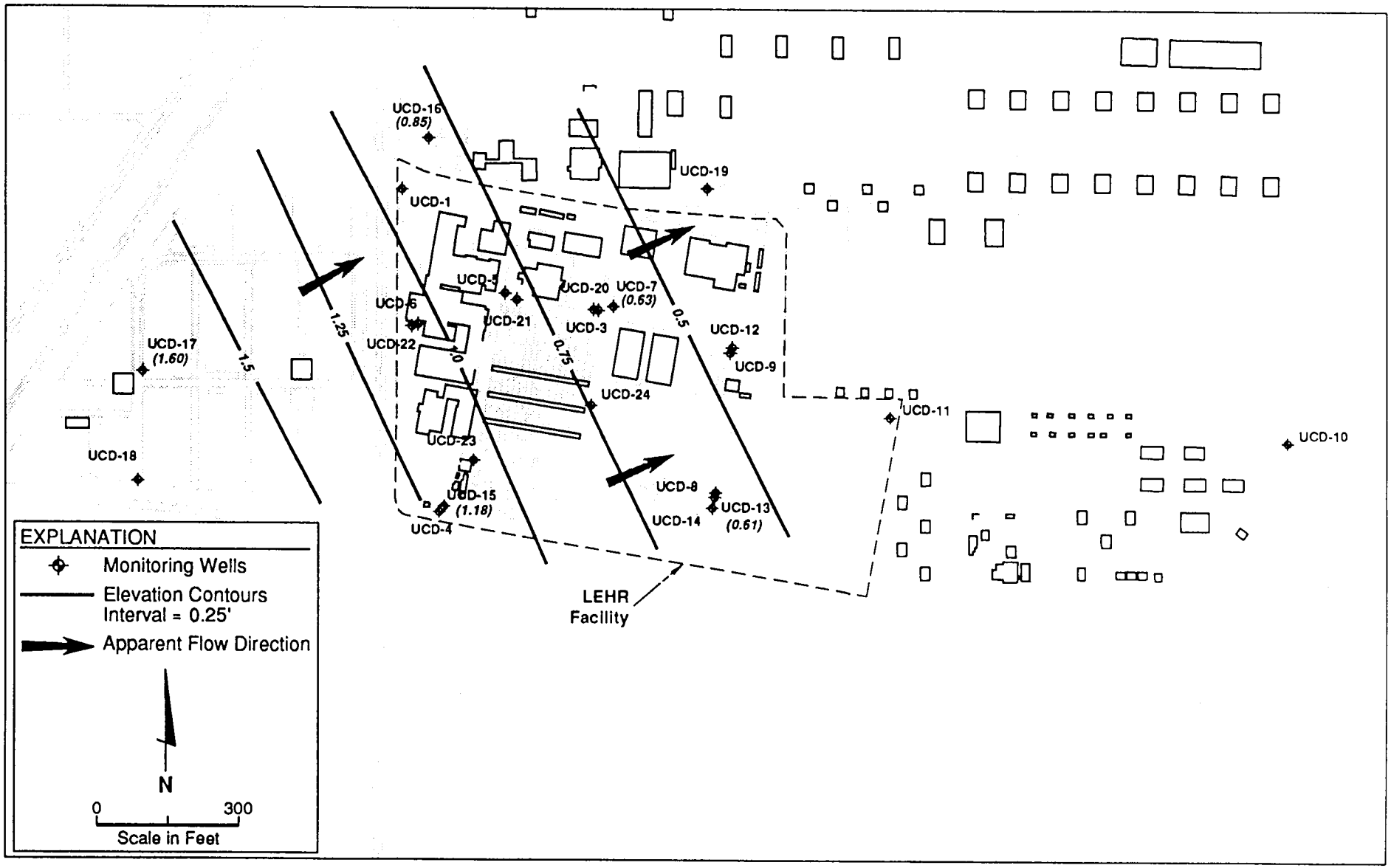


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
FEBRUARY 1, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 SJR 6/15/92 DOE-62

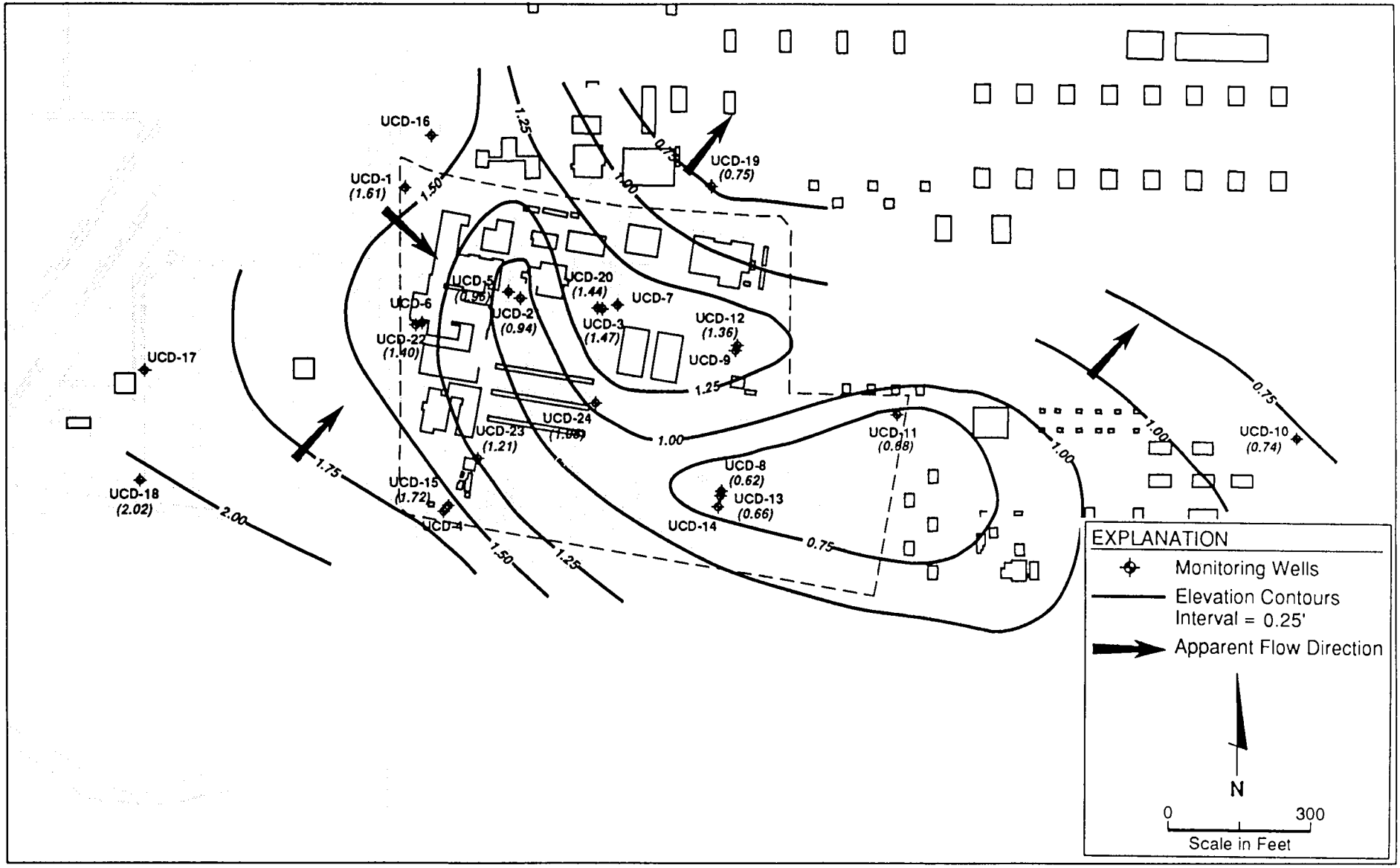


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
FEBRUARY 1, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-63

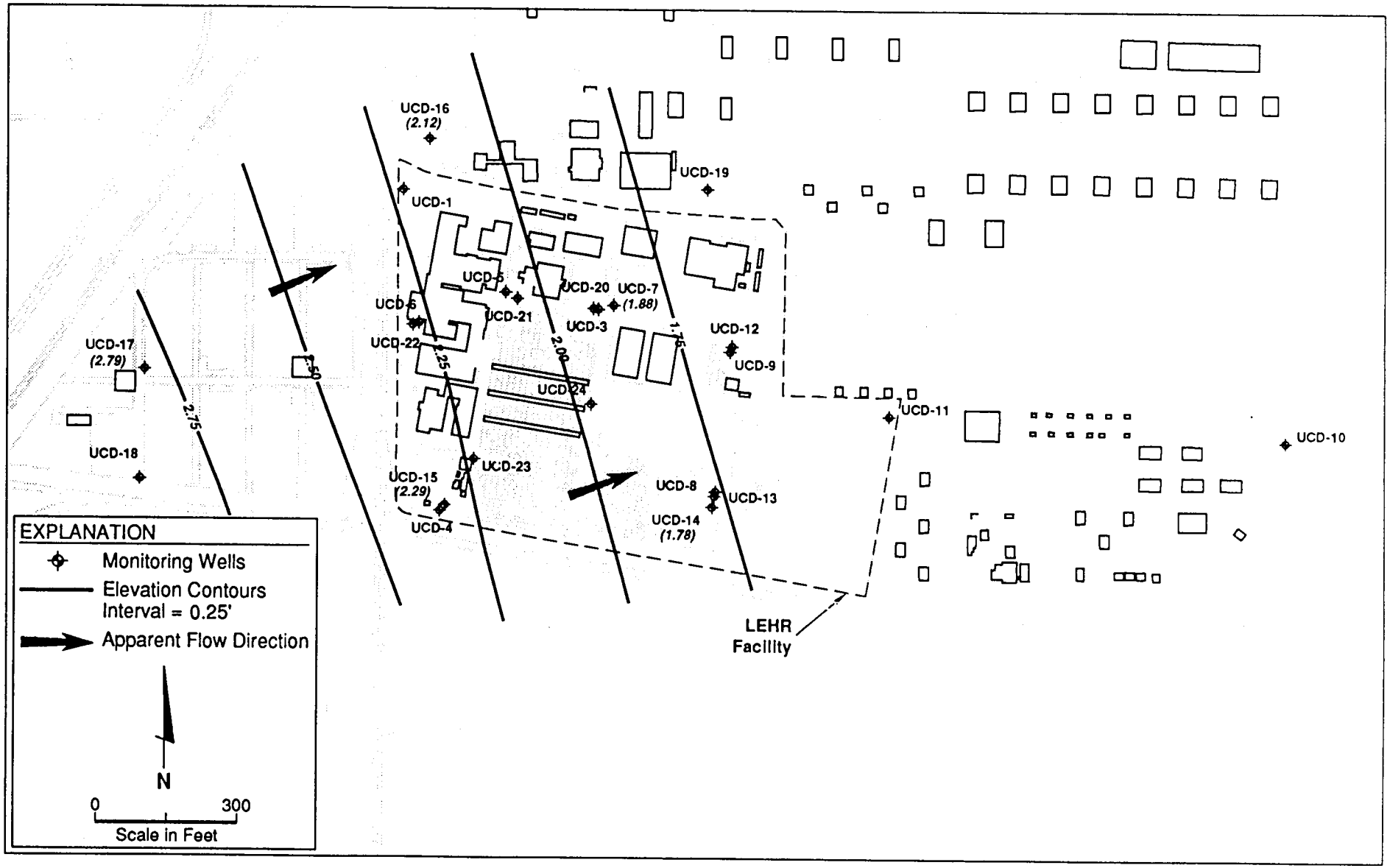


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
MARCH 7, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-64

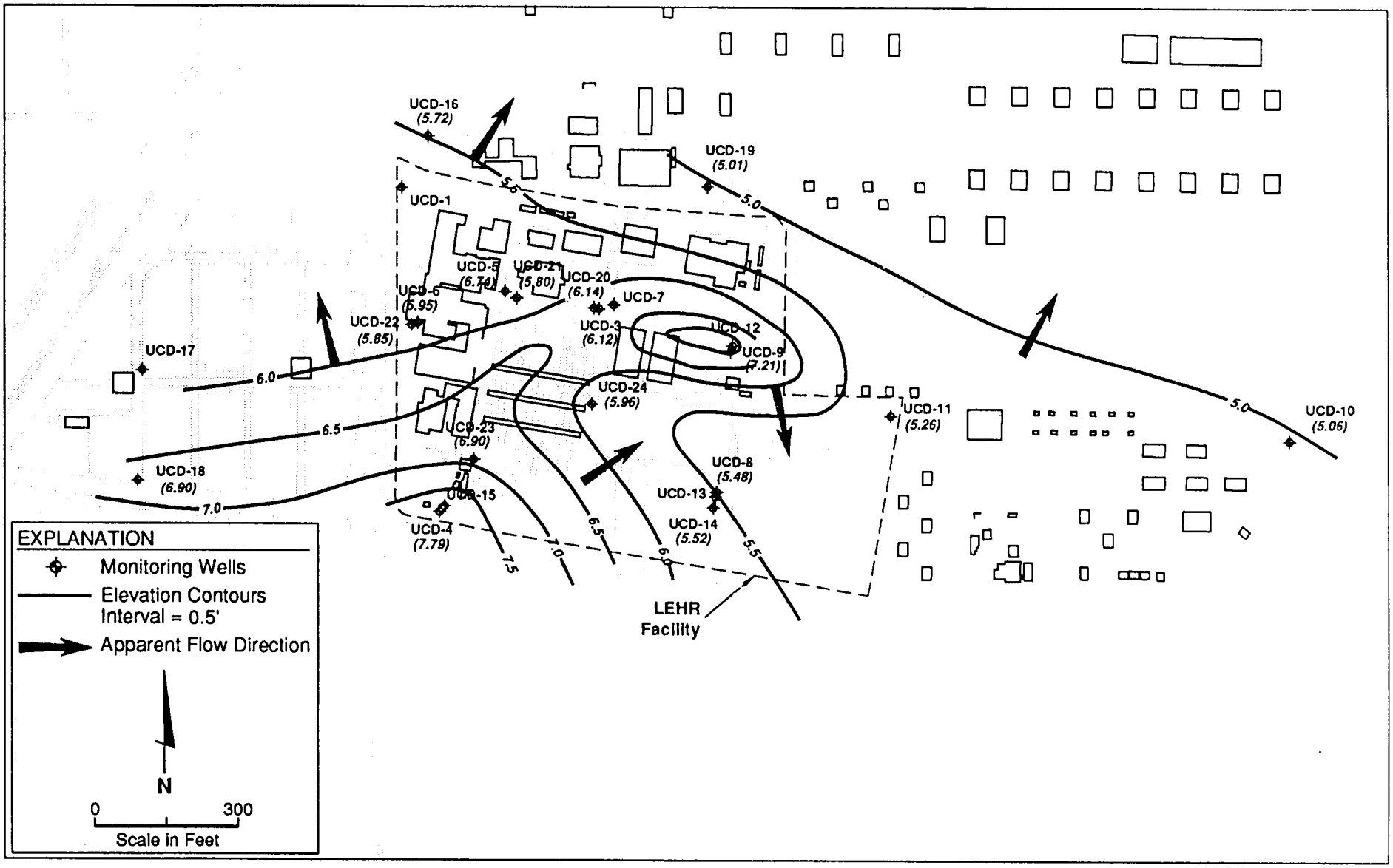


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
MARCH 7, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-77

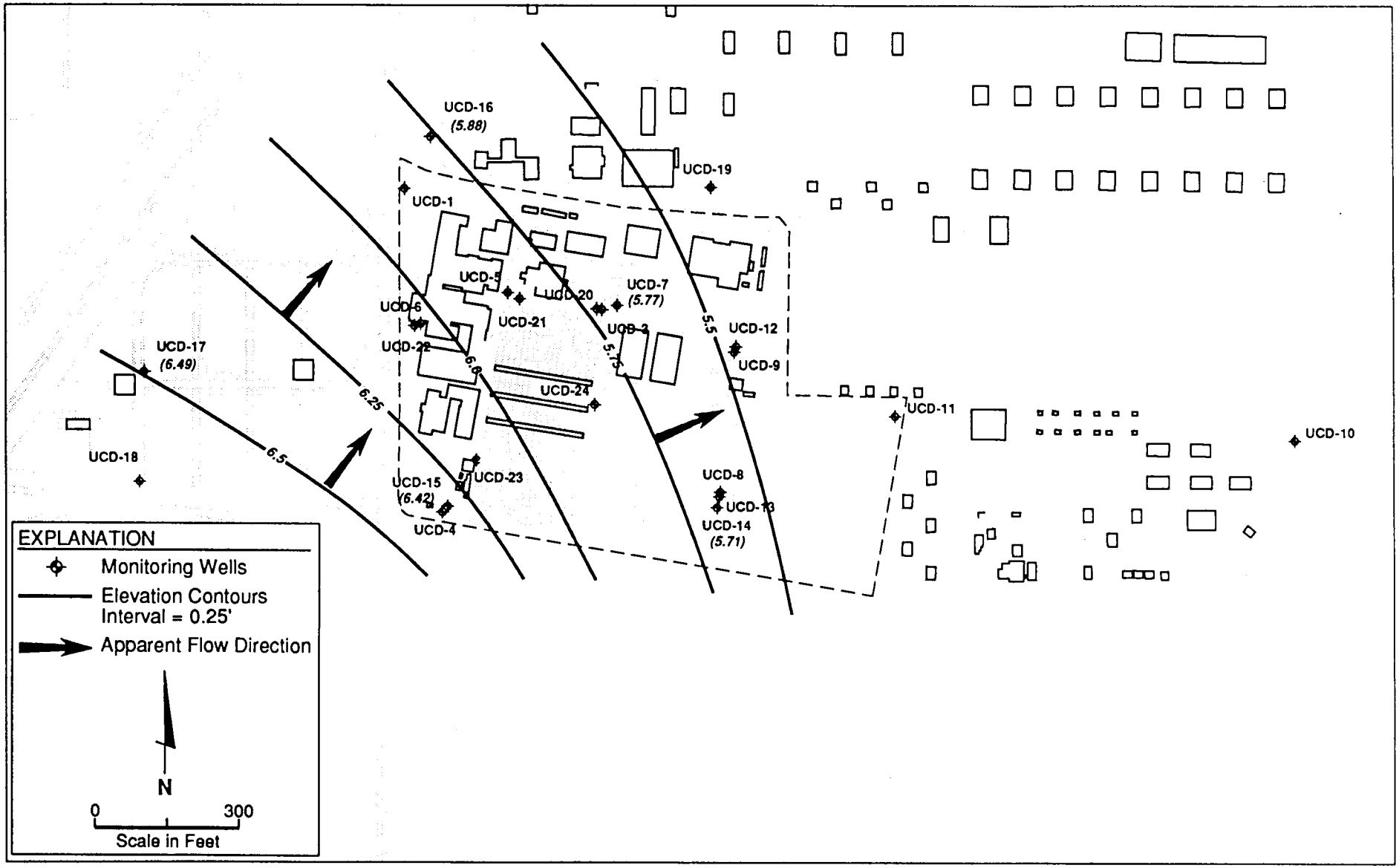


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
APRIL 3, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-80

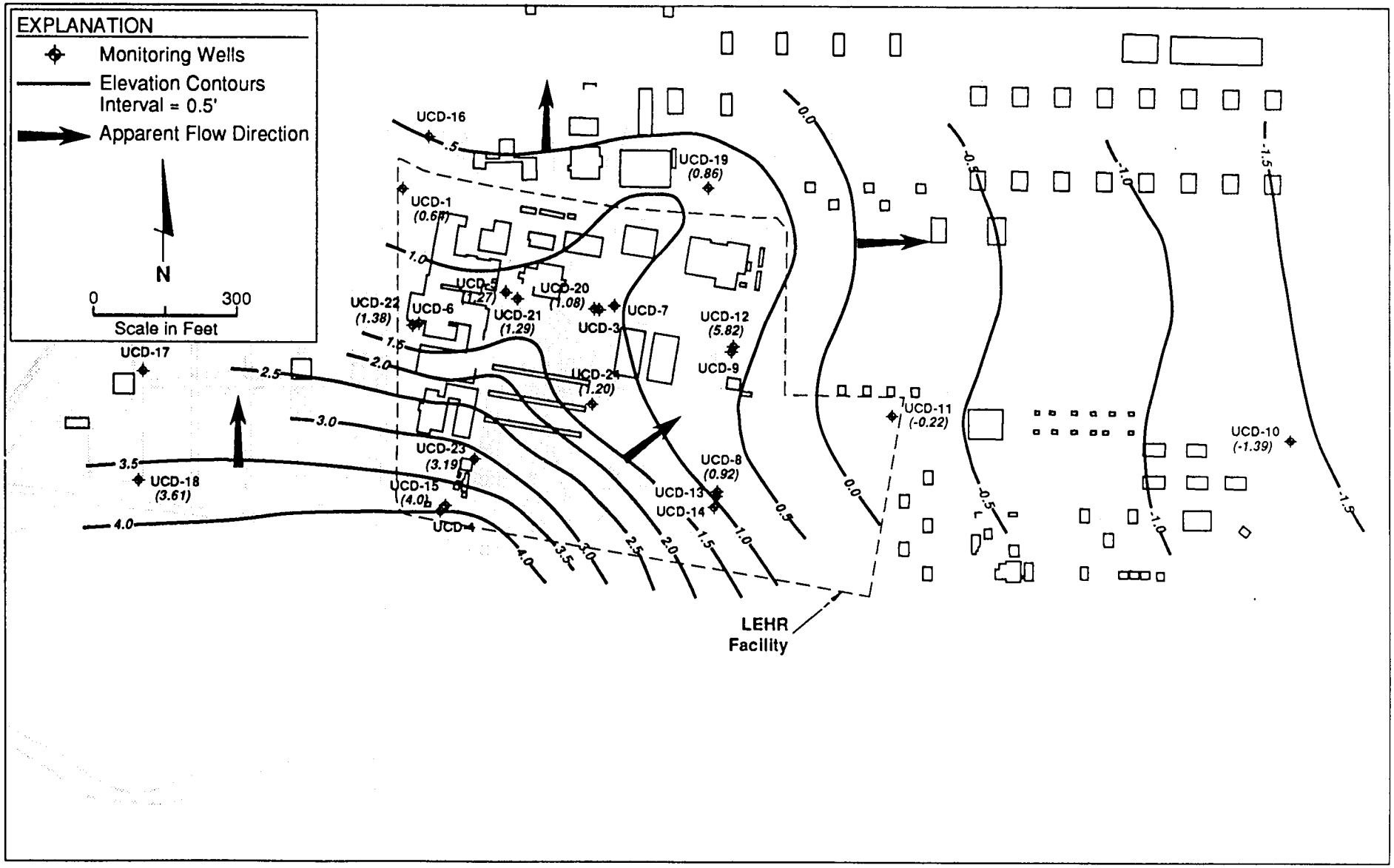


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
APRIL 3, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-83

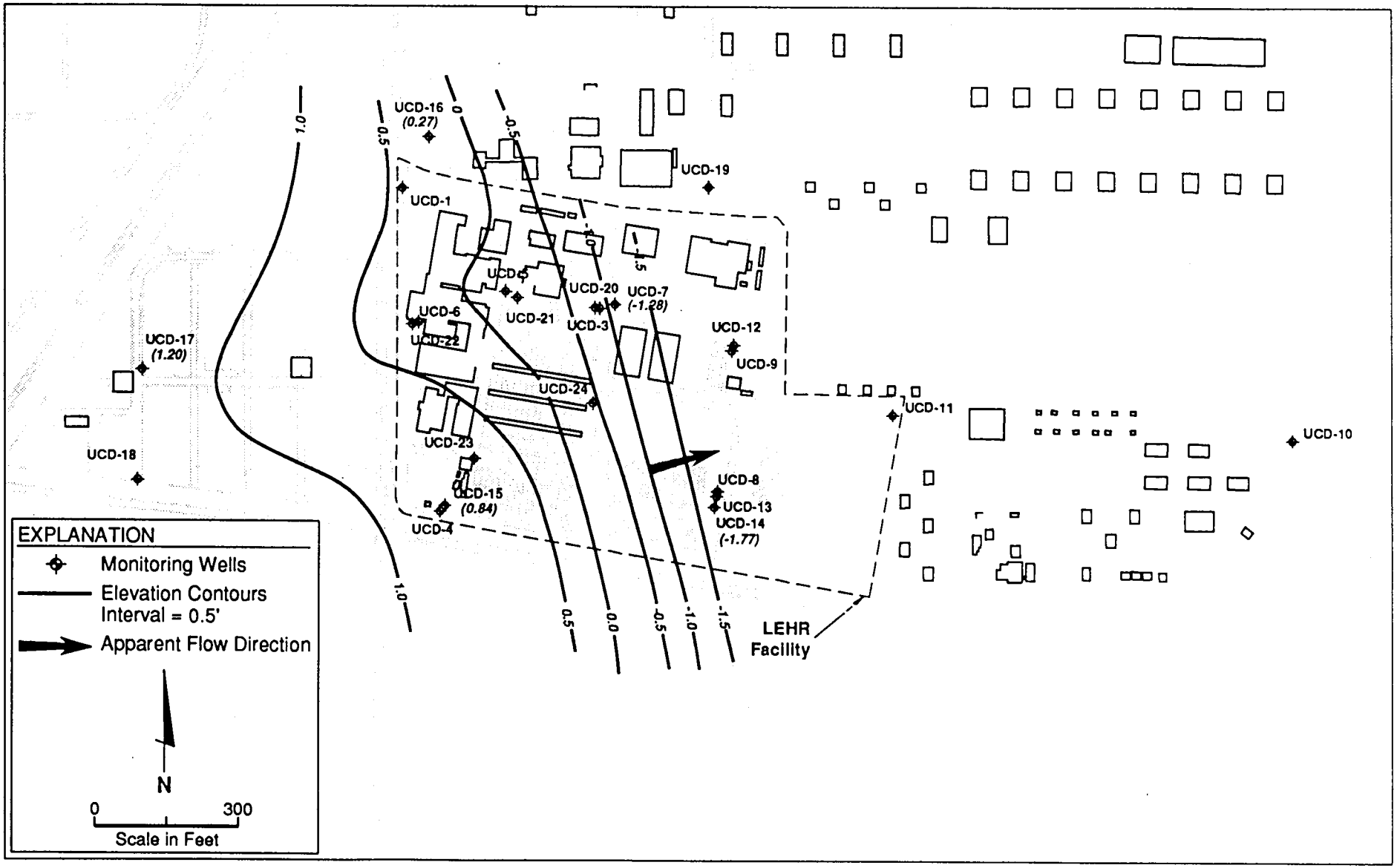


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
MAY 3, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-84

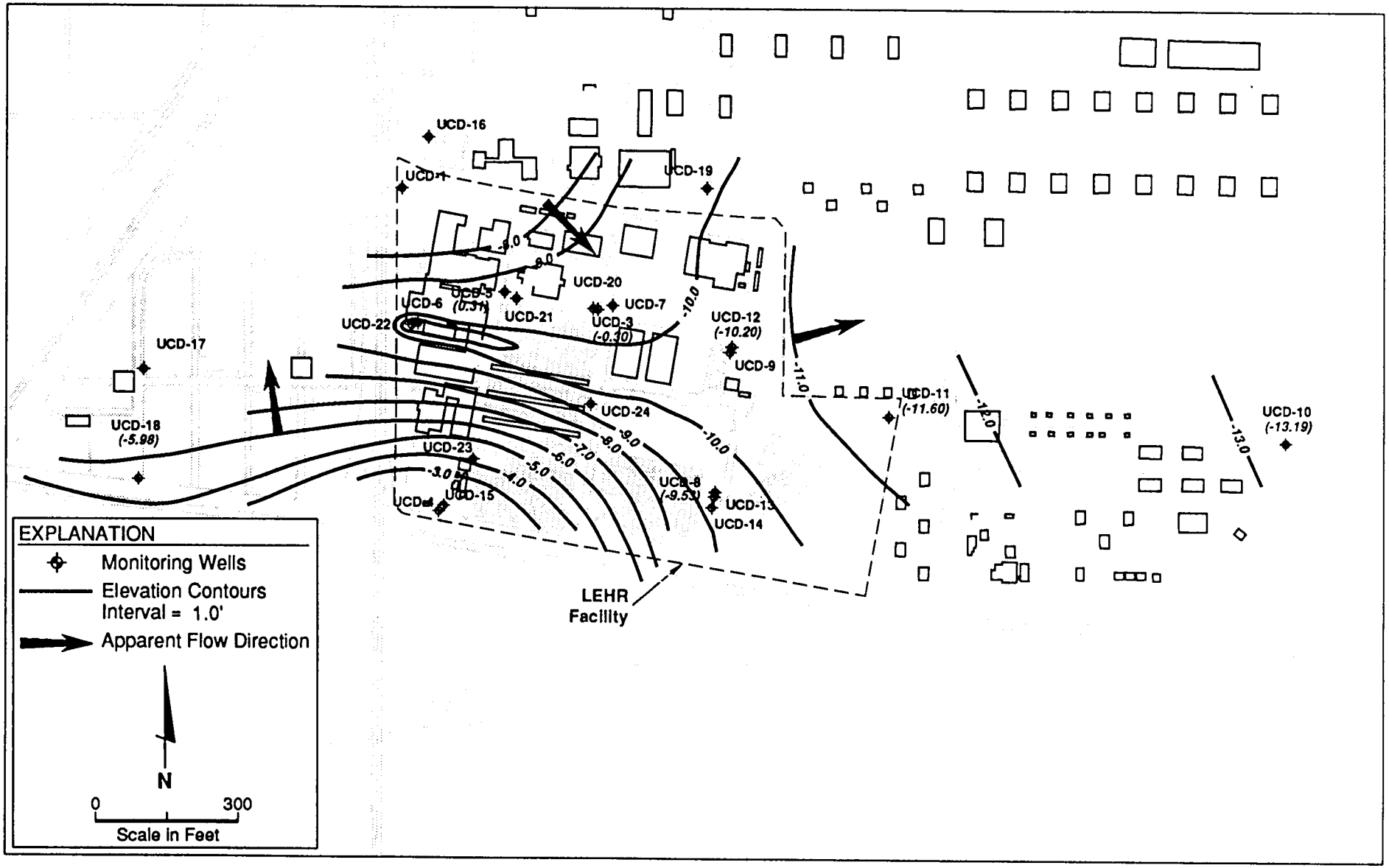


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
MAY 3, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-97

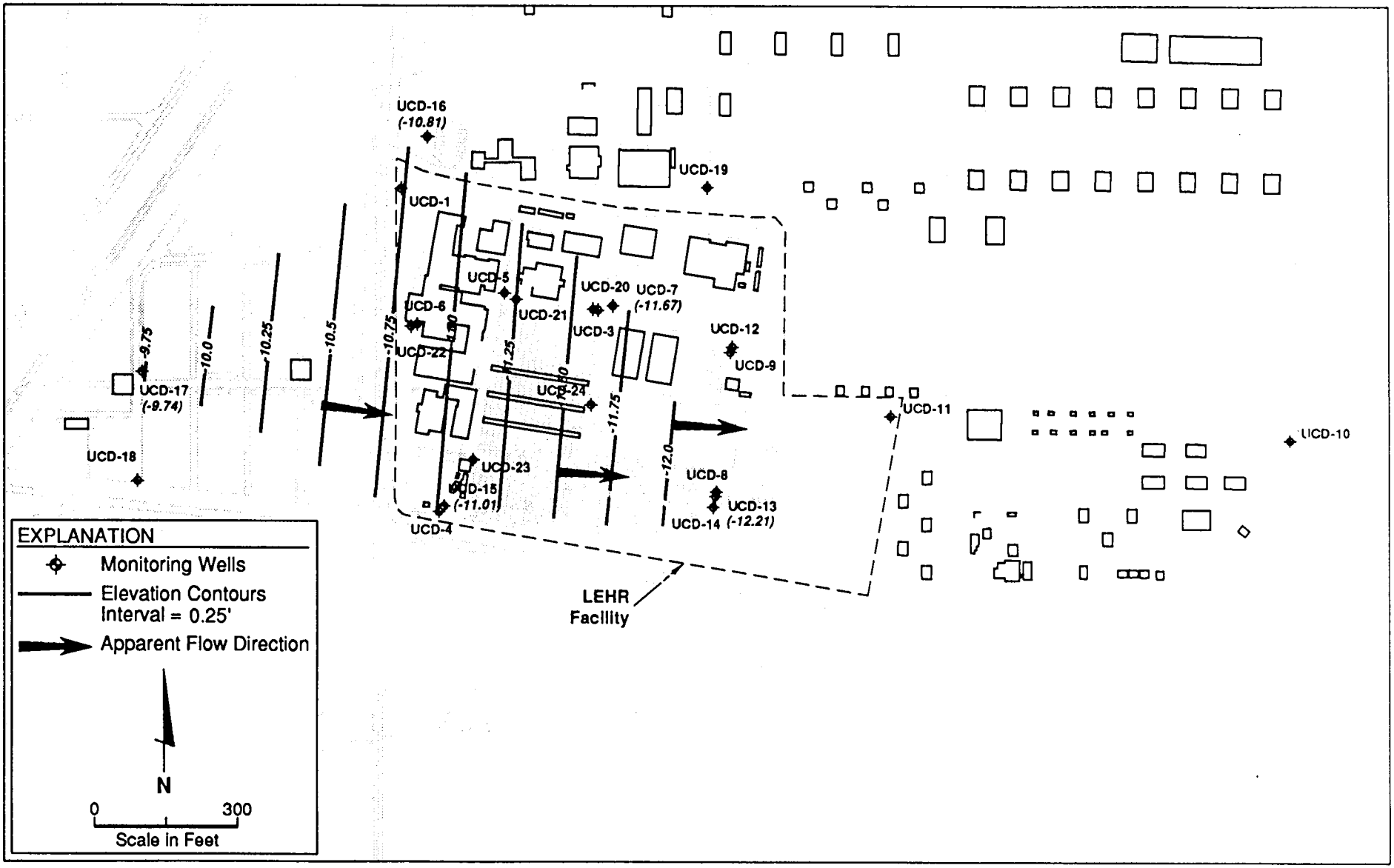


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
JUNE 6, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-100

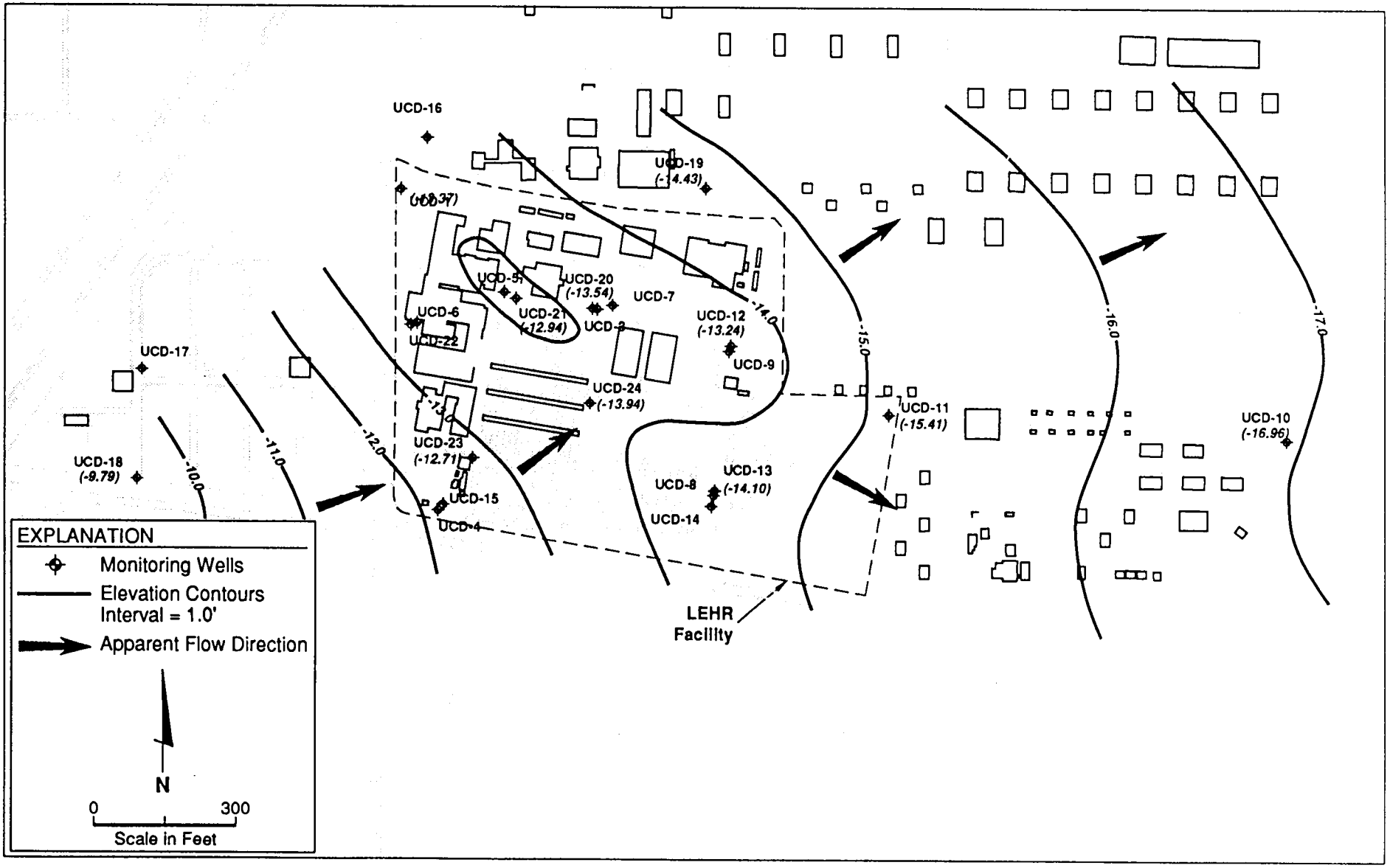


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
JUNE 6, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-101

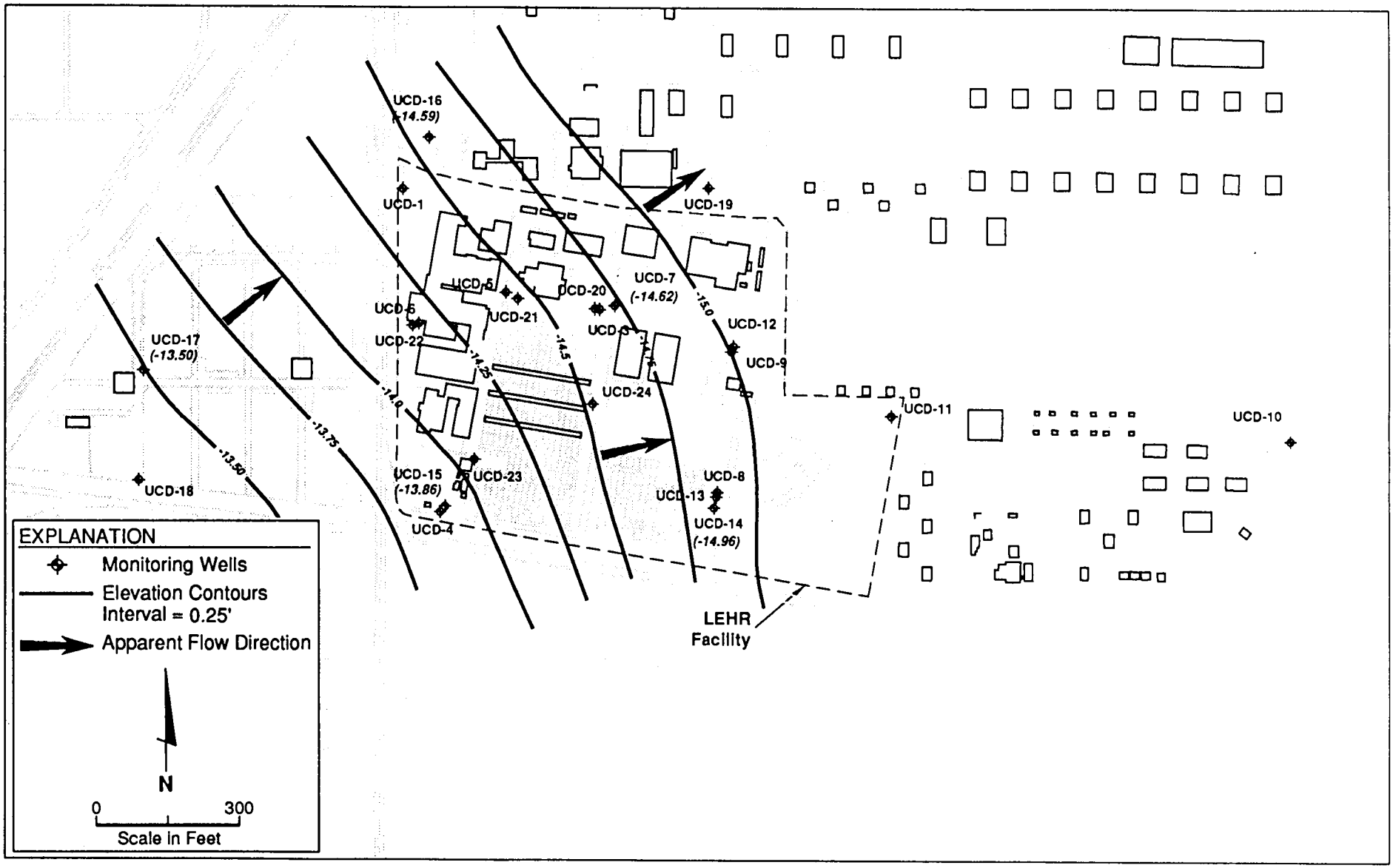


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
JULY 5, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-102

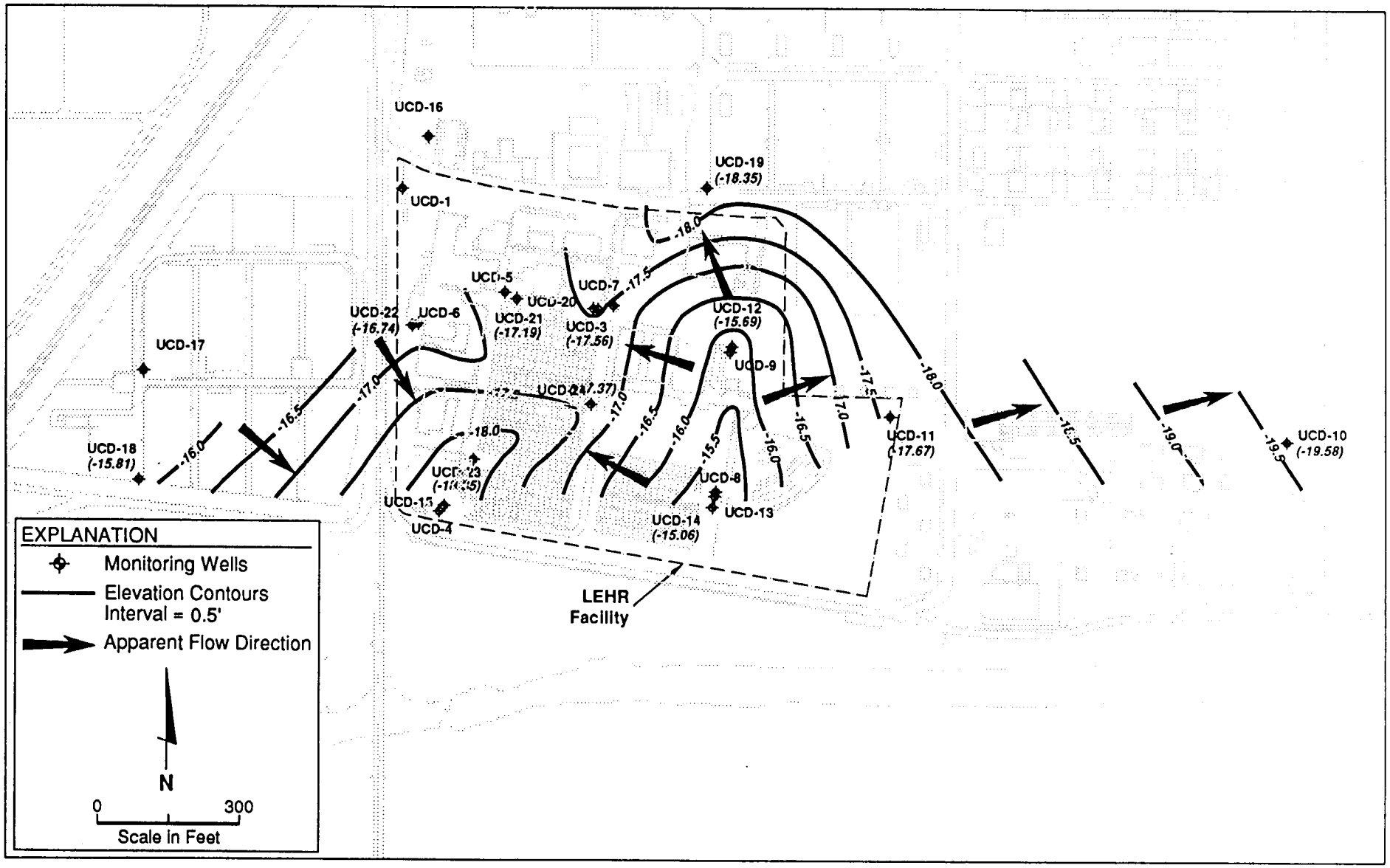


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
JULY 5, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-103

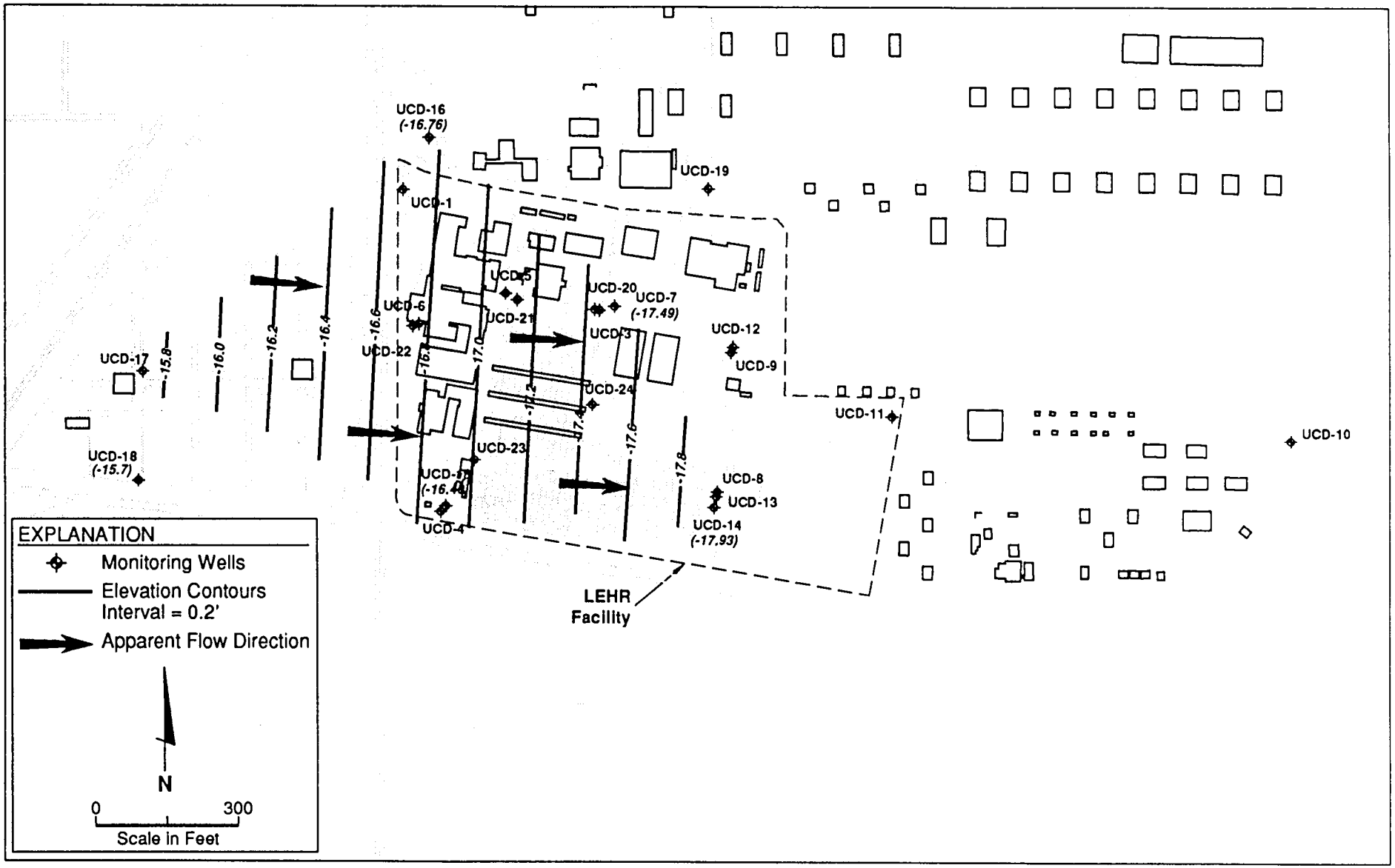


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
AUGUST 21, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-98

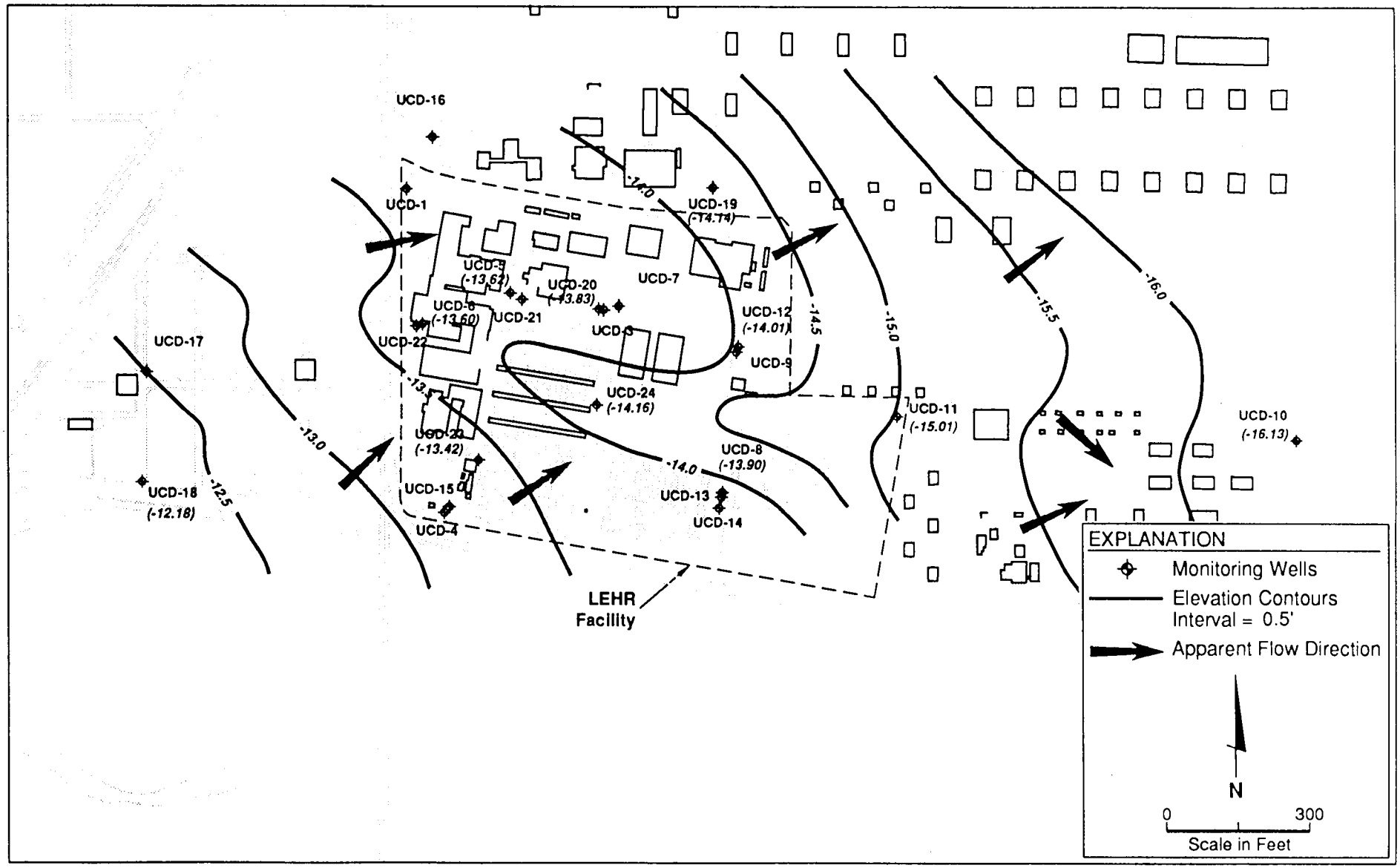


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
AUGUST 21, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-99

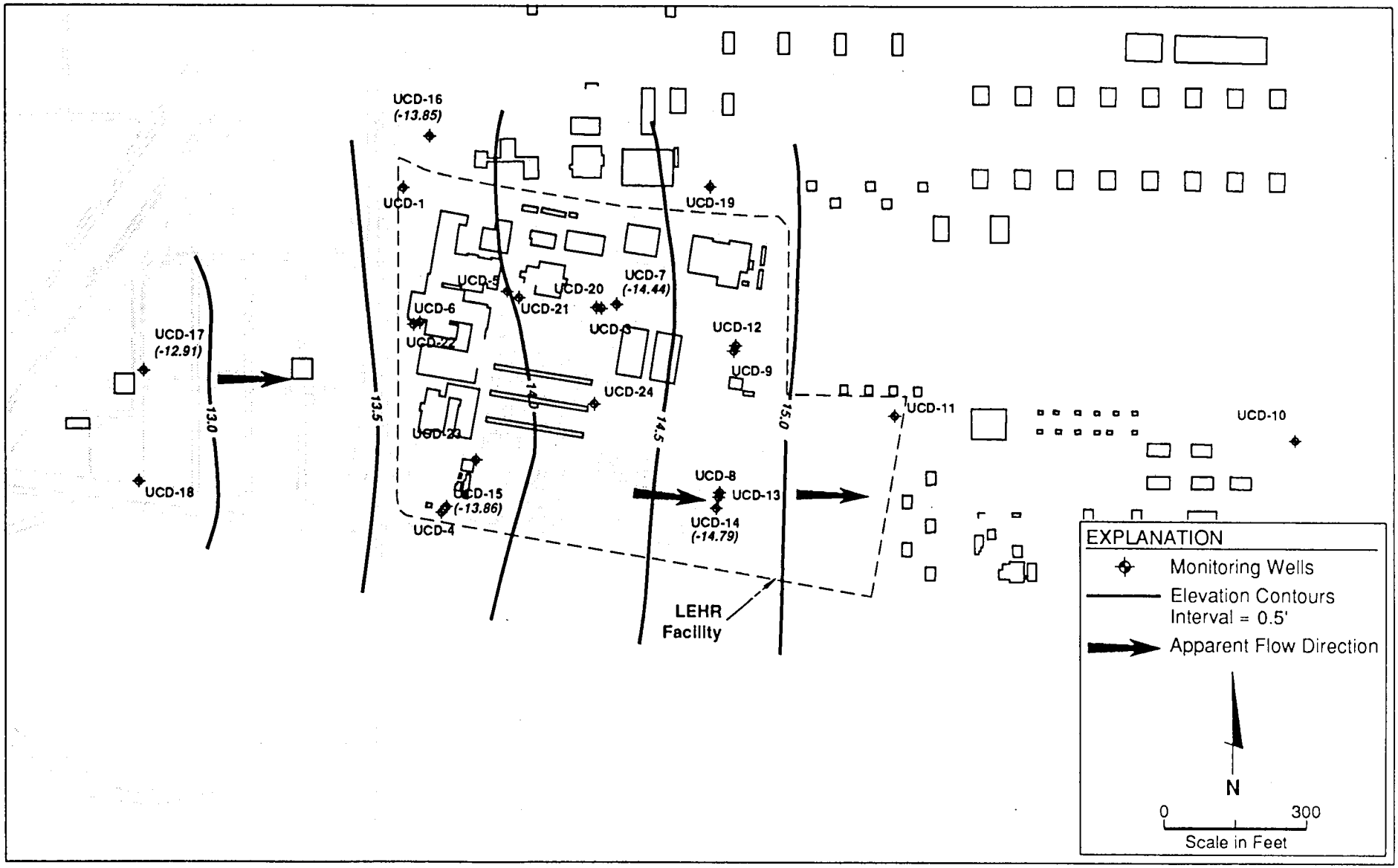


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
SEPTEMBER 13, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-104

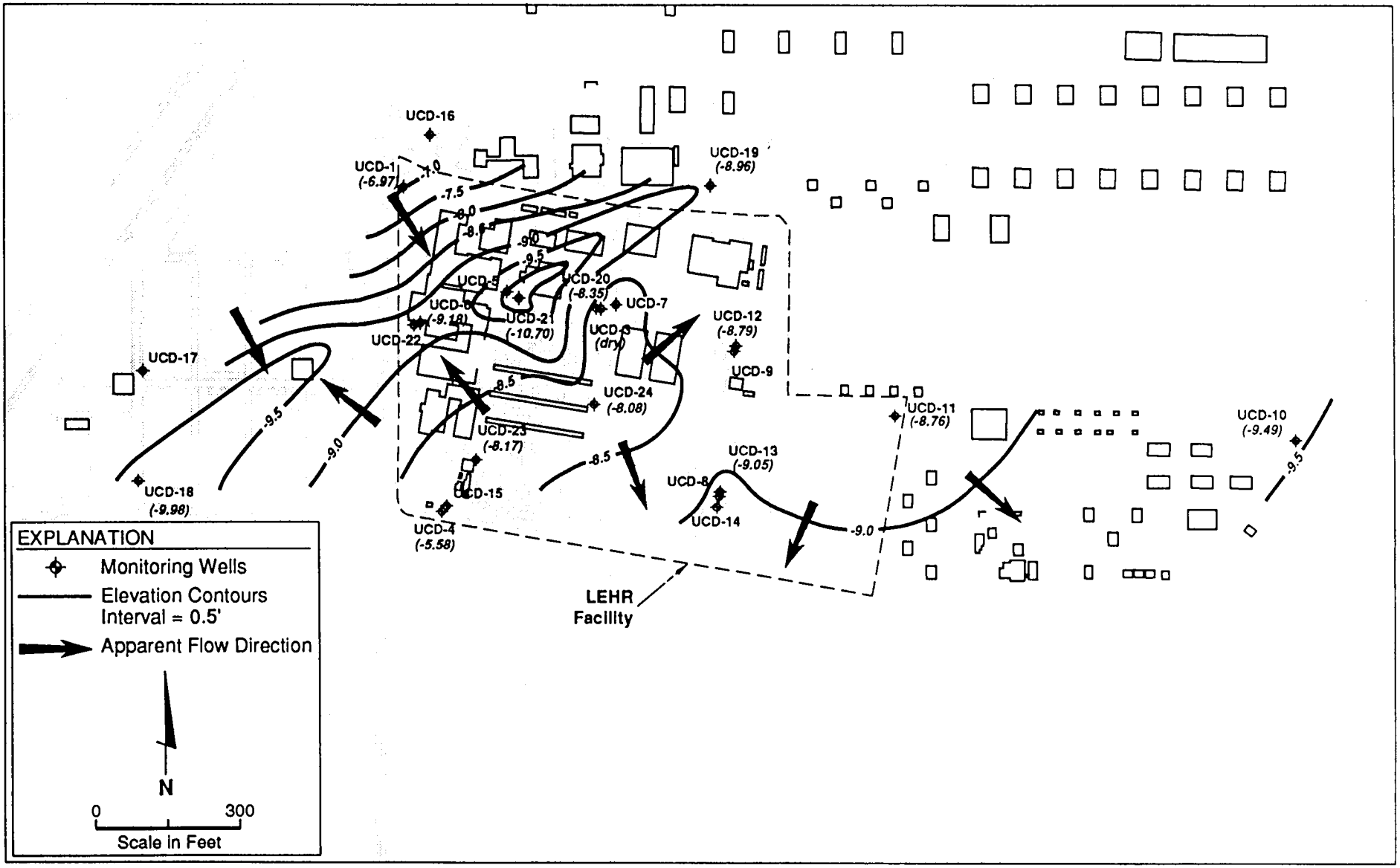


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
SEPTEMBER 13, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-105

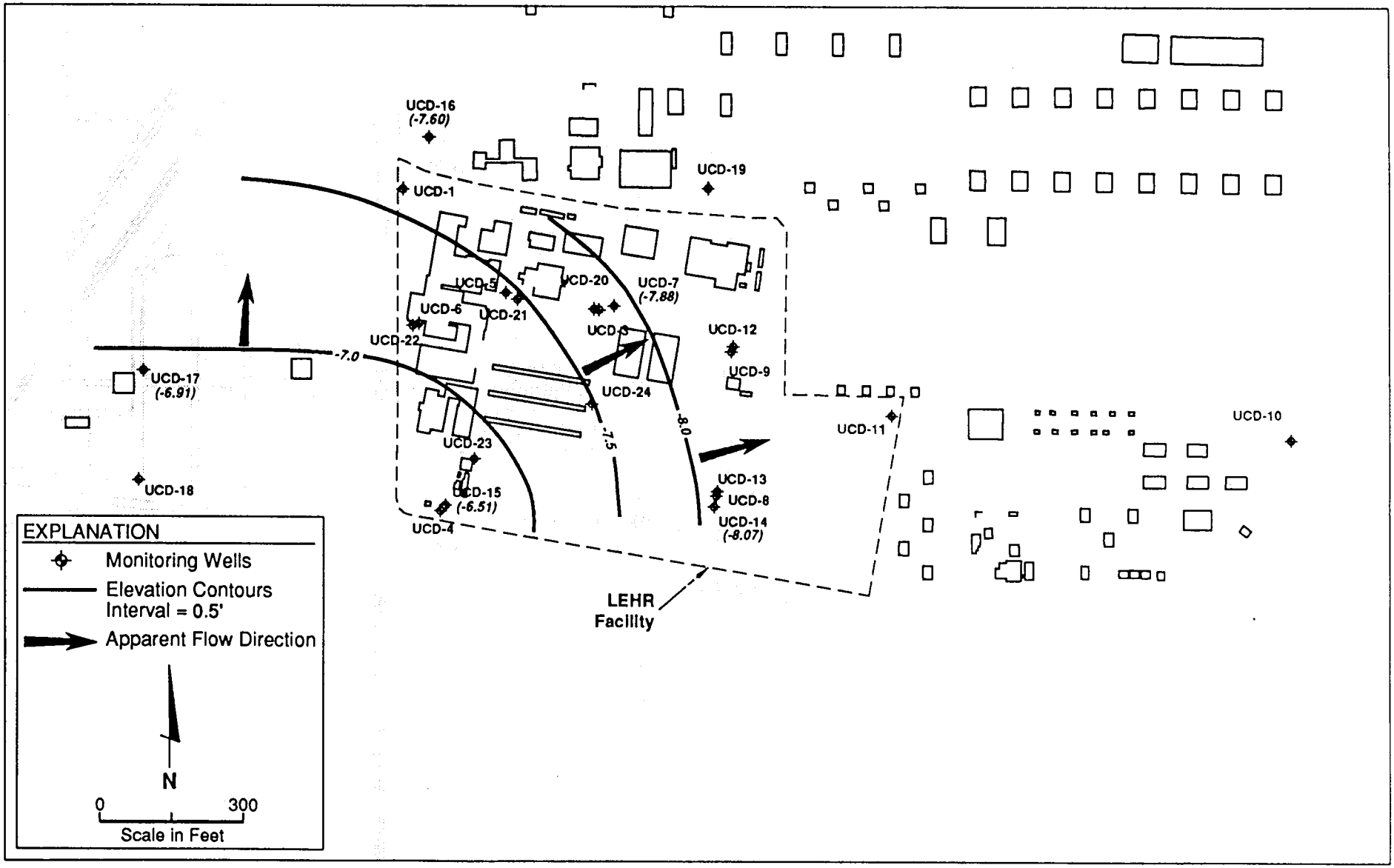


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
OCTOBER 10, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-106

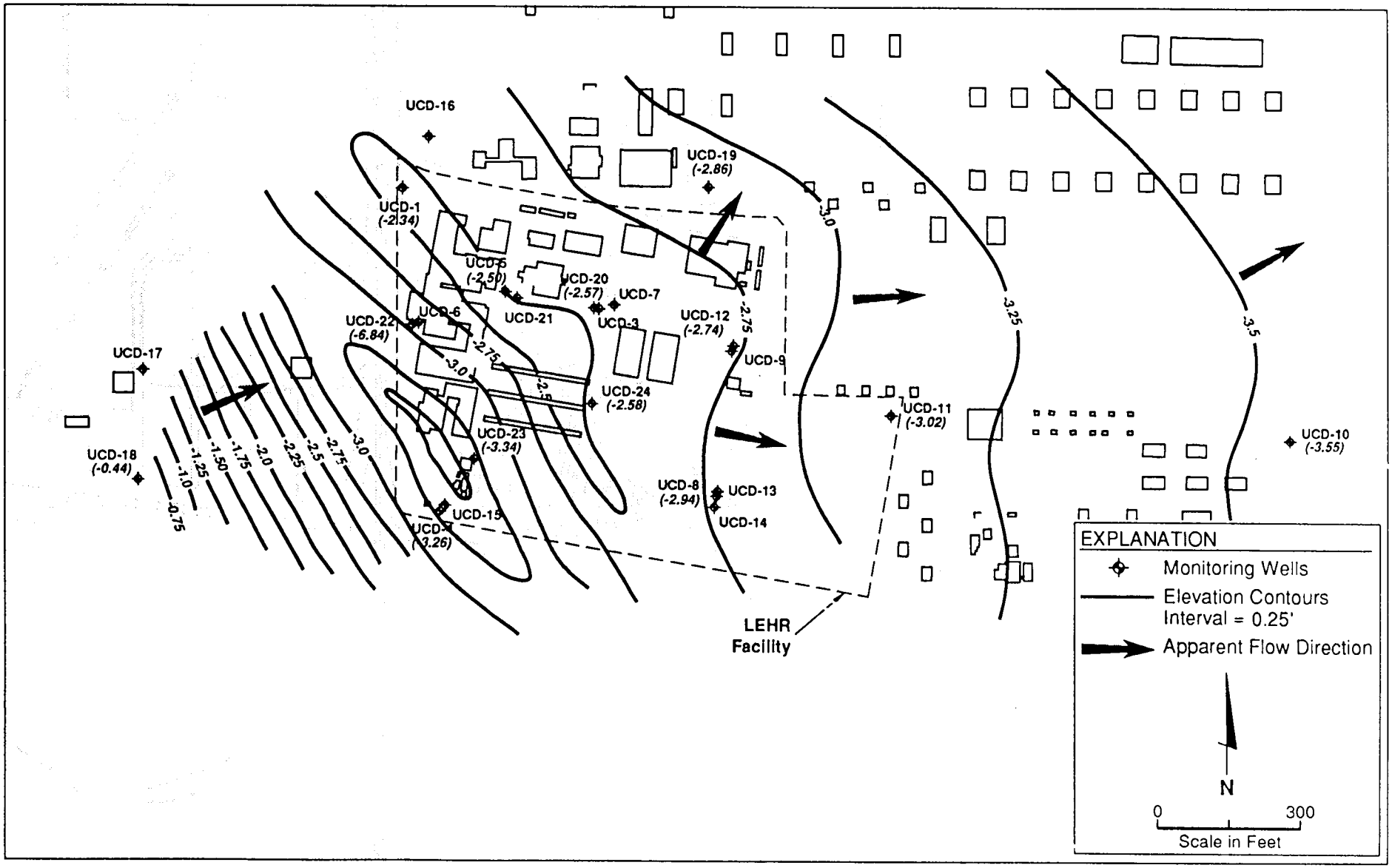


GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
OCTOBER 10, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-107

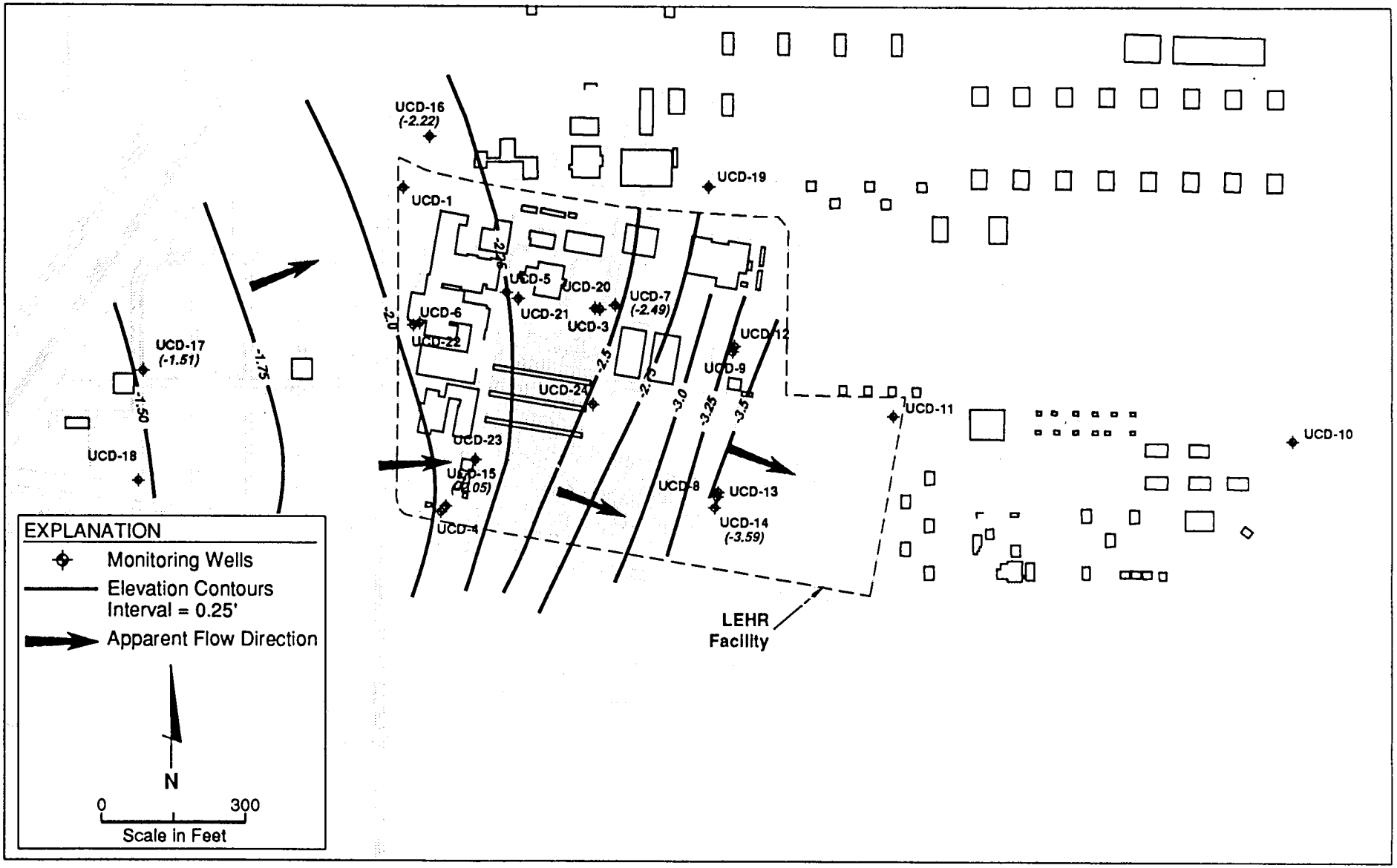


GROUNDWATER ELEVATION CONTOUR MAP
FIRST HYDROSTRATIGRAPHIC UNIT
NOVEMBER 14, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-108



GROUNDWATER ELEVATION CONTOUR MAP
SECOND HYDROSTRATIGRAPHIC UNIT
NOVEMBER 14, 1991

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-109

APPENDIX J

PHYSICAL SOIL DATA
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

APPENDIX J

PHYSICAL SOIL DATA
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

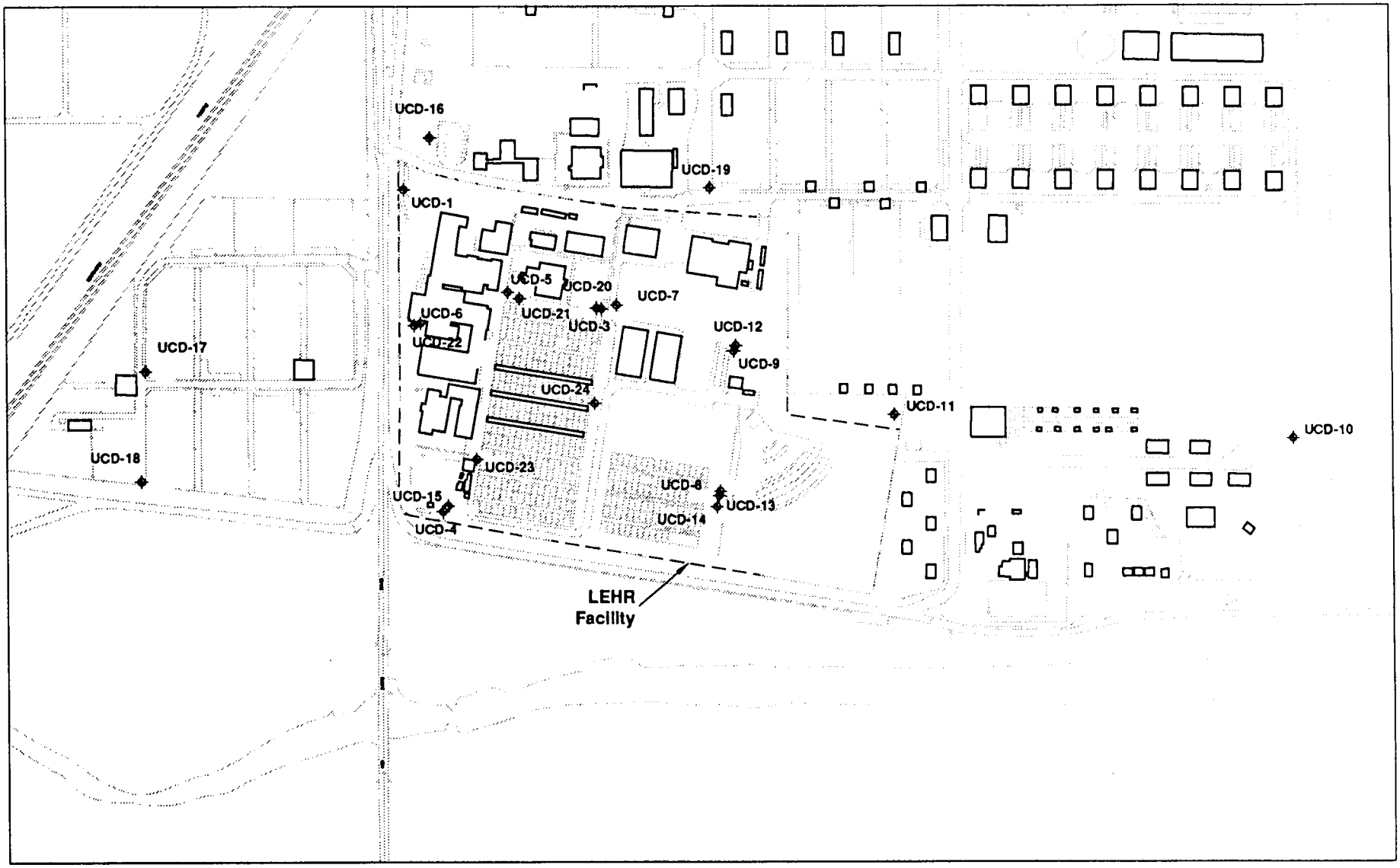
This appendix presents results of physical tests conducted on soil samples collected during the Phase II Investigation. Soil samples submitted and physical test results received are listed below. Additionally, grain size distribution analyses conducted in the field on soils from UCD-18 and UCD-19 for monitoring well screen size and filter pack evaluation are presented.

PHYSICAL TEST	SAMPLE IDENTIFICATION				
	UCD-20 65.0C	UCD-23 75.0B	UCD-19 73.0B	UCD-18 65.0B	UCD-22 70.0C
(USCS)	ML/CL	CH	CL	ML	ML
% finer than #200 sieve (silt and clay)	86	92	85	67	90
% finer than #40 and coarser than #200 (fine sand)	9	7	14	28	9
% coarser than #40 (medium and coarse sand)	5	1	1	5	1
Moisture Content (%)	22.6	20.9	18.1	23.8	27.8
Permeability (cm/sec)	NC	3.58×10^{-9}	5.96×10^{-9}	6.20×10^{-7}	1.44×10^{-7}

NC - Test not conducted.

cm/sec - centimeters per second

USCS - Unified Soil Classification System
ML - Silt, low plasticity
CL - Clay, low plasticity
CH - Clay, high plasticity



EXPLANATION

Monitoring Wells

0 300

Scale in Feet

N

GROUNDWATER MONITORING WELL LOCATION MAP

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-166

FIGURE J-1

COMPRESSIVE STRAIN TEST

Type of Test

- ☐ TX/UU
- ☐ TX/CU (field moisture)
- ☐ TX/CU (saturated)
- ☐ UC (unconfined compression)
- ☒ PERM

Project: DOE Location: LEHR Job # 10805-454-04

Soil Classification: ML "DISTURBED" Boring # UCD 20

Sample # C

Depth (ft.) 65.0

Tested By: WL 1/15/91 Computed By: ____/ / Checked By: ____/ / Office: 003

	Initial	Final
Wet Weight of Soil + Tare (gm) 14	647.2	
Dry Weight of Soil + Tare (gm)	580.6	
Net Loss of Moisture (gm)		
Tare Weight (gm)	286.2	
Dry Weight of Soil (gm)		
Moisture (w_c), % of Dry Weight	22.6	
Wet Weight of Sample (gm)		
Dry Weight of Sample (gm)		
Wet Density of Sample – γ_m, (pcf)		
Dry Density of Sample – γ_d, (pcf)		
$\gamma_{df} = \gamma_{do} \times (V_{to}/V_{tf}) =$		
Sample Height ( ) – H		
Sample Diameter ( ) – D		
Sample Area ( ) – A		
Sample Volume (cc) – V_t		
Volume of Solid (cc) – V_s		
Volume of Void (cc) – V_v		
Void Ratio – e		
Degree of Saturation – s		

SAMPLE TYPE:

- ☒ Undisturbed
- ☐ Remolded to –

% D_d ____

% Compaction ____

PRESSURES:

σ_{cell} = ____ psi/psf

σ_{bp} = ____ psi/psf

σ_3 = ____ psi/psf

σ_1 = ____ psi/psf

κ_c = ____

RATE OF SHEARING:

____ in/min

____ in/hr.

Load Controlled

SPECIFIC GRAVITY:

____ Assumed / Determined

SUMMARY OF TEST RESULTS

	5%	10%	15%	20%	PEAK
Axial Strain (%) – E					
Deviator Stress (psf) – $\sigma_1 - \sigma_3$					
Shear Stress (psf) – τ					

REMARKS: CAN'T RUN PERM

EQUIPMENT:

Cell # ____ Load Frame # ____

Saturation Consol # ____

Calibration Checked: ____/ /

857.51 (10-75)

DAMES & MOORE

COMPRESSIVE STRAIN TEST

Type of Test

- ☐ TX/UU
- ☐ TX/CU (field moisture)
- ☐ TX/CU (saturated)
- ☐ UC (unconfined compression)

Project: _____ Location: _____ Job # _____

Boring # _____ Sample # _____ Depth (ft.) _____ Office _____

Tested By: _____ / / Computed By: _____ / / Checked By: _____ / /

Load Range: _____ psf Load Factor = _____ lb./% _____ psf/%

AXIAL DEFLECTION			AREA CHANGE		AXIAL LOAD			
						DEVIATOR STRESS		
							Corrected	
Dial Reading	ΔH in x 10^{-3}	E%	A_f in.^{2}	A/A_f	% Range	Uncorrected _____	psf	psf
		A	B	C	D	E	F	

INSTRUCTION:

Ⓐ % = (ΔH / H) x 100

Ⓑ $A_f = A_c / (1 - E)$. In TX/UU test, $A_c = A_o$ (D&M sample A_o = 4.60 in ^{2}).

Ⓒ A/A_f: A = Initial area of D&M sample, 4.60 in ^{2}. A_f as determined in Ⓑ. Only needed for TX/CU test and when testing samples other than D&M size.

Ⓓ Load Range is the maximum capacity of the load device. It is calibrated in psf/ % based on the initial area of D&M size sample (A = 4.60 in ^{2}).

Ⓔ Ⓓ x Load Factor: Load Factor in lbs. = (1% of Load Range x 4.60) / 144.
Load Factor in psf = (Load Range) / 100.

○ Corrected Deviator Stress ($\sigma_1 - \sigma_3$): For TX/UU test – σ_d = Ⓔ in lbs. / A_f = psi OR
= Ⓔ in psf x (1 – E) = psf.
For TX/CU test – σ_d = Ⓔ in lbs. / A_f = psi OR
= Ⓔ in psf x (1 – E) x(A/A_f) = psf.

COMPRESSIVE STRAIN TEST

Type of Test
- ☐ TX/UU
- ☐ TX/CU (field moisture)
- ☒ TX/CU (saturated)
- ☐ UC (unconfined compression)

☒ PERM

Project: DOE Location: LEHR Job # 10805-454-0

Soil Classification: (CH) Boring # UCD-23

Sample # B

DATE SAMPLED: 10/15/90 Depth (ft.) 75.0

Tested By: WL 1/10/91 Computed By: ____/ / Checked By: ____/ / Office: 003

	Initial	Final
Wet Weight of Soil + Tare (gm)		667.5
Dry Weight of Soil + Tare (gm)		603.7
Net Loss of Moisture (gm)	62.7	
Tare Weight (gm)		304.0
Dry Weight of Soil (gm)	299.7	
Moisture (w_c), % of Dry Weight	20.9	21.3
Wet Weight of Sample (gm)	362.4	363.5
Dry Weight of Sample (gm)		
Wet Density of Sample – γ_m, (pcf)	130.3	
Dry Density of Sample – γ_d, (pcf)	107.8	110.1
$\gamma_{df} = \gamma_{do} \times (V_{to}/V_{tf}) =$		
Sample Height (IN) – H	2.33	2.314
Sample Diameter (IN) – D	2.406	
Sample Area (Sq. IN) – A	4.547	4.483
Sample Volume (cc) – V_t	173.6	170.0
Volume of Solid (cc) – V_s	109.0	109.0
Volume of Void (cc) – V_v	64.6	61.0
Void Ratio – e	0.593	0.560
Degree of Saturation – s %	97	104.5

SAMPLE TYPE:
- ☒ Undisturbed
- ☐ Remolded to –
  - % D_d ____
  - % Compaction ____

PRESSURES:
- σ_{cell} = ____ psi/psf
- σ_{bp} = ____ psi/psf
- σ_3 = 5200 psi/psf
- σ_1 = ____ psi/psf
- K_c = ____

RATE OF SHEARING:
- ____ in/min
- ____ in/hr.
- Load Controlled

SPECIFIC GRAVITY:
2.75 (Assumed / Determined)

SUMMARY OF TEST RESULTS

	5%	10%	15%	20%	PEAK
Axial Strain (%) – E					
Deviator Stress (psf) – $\sigma_1 - \sigma_3$					
Shear Stress (psf) – τ					

REMARKS: ____

EQUIPMENT:
Cell # 1 Load Frame # ____
Saturation Consol # ____
Calibration Checked: ____/ /

857.51 (10-75)

DAMES & MOORE

COMPRESSIVE STRAIN TEST

Type of Test

- ☐ TX/UU
- ☐ TX/CU (field moisture)
- ☐ TX/CU (saturated)
- ☐ UC (unconfined compression)

Project: _____ Location: _____ Job # _____

Boring # _____ Sample # _____ Depth (ft.) _____ Office _____

Tested By: _____ / / Computed By: _____ / / Checked By: _____ / /

Load Range: _____ psf Load Factor = _____ lb./% _____ psf/%

AXIAL DEFLECTION			AREA CHANGE		AXIAL LOAD			
						DEVIATOR STRESS		
Dial Reading	ΔH in x 10^{-3}	E %	A_f in.^{2}	A/A_f	% Range	Uncorrected	Corrected psf	Corrected psf
		A	B	C	D	E	F	

INSTRUCTION:

Ⓐ % = (ΔH / H) x 100

Ⓑ $A_f = A_c / (1-E)$. In TX/UU test, $A_c = A_o$ (D&M sample A_o = 4.60 in ^{2}).

Ⓒ A/A_f: A = Initial area of D&M sample, 4.60 in ^{2}. A_f as determined in Ⓑ. Only needed for TX/CU test and when testing samples other than D&M size.

Ⓓ Load Range is the maximum capacity of the load device. It is calibrated in psf/% based on the initial area of D&M size sample (A = 4.60 in ^{2}).

Ⓔ Ⓓ x Load Factor: Load Factor in lbs. = (1% of Load Range x 4.60) / 144.
Load Factor in psf = (Load Range) / 100.

○ Corrected Deviator Stress ($\sigma_1 - \sigma_3$): For TX/UU test – σ_d = Ⓔ in lbs. / A_f = psi OR
= Ⓔ in psf x (1 – E) = psf.
For TX/CU test – σ_d = Ⓔ in lbs. / A_f = psi OR
= Ⓔ in psf x (1 – E) x(A/A_f) = psf.

Bag, ICD-23 #B

SOIL SAMPLE: @ 75.0

LOCATION:

CELL PRESSURE: 72.1 psi

BACK PRESSURE: 56/50 psi

PERMEABILITY DATA

$\bar{\sigma}_3$ = 5200 psf

TEST NO.: 0805-454-

DATE:

TESTED BY: UL

APPARATUS NO.:

DATE	TIME	Δ TIME MIN.	ACCUM. TIME MIN.	Δ P (PSF)	T °C	INFLOW Reading C.C.	INFLOW Q=Δ Reading	INFLOW k at 20° C cm/sec	OUTFLOW Reading C.C.	OUTFLOW Q=Δ Reading	OUTFLOW k at 20° C cm/sec
							B.P =	59/50 psi			
							BP	= 61/56 psi			
							BP	= 63/56 psi			
1-15	1145					5.62			8.63		
	1345	120				7.21	1.59	—	8.50	0.13	—
							BP =	.5/56 psi			
	1512					6.16			8.40		
	1703	106				7.64	1.48	—	8.50	0.10	4.686×10^{-9}
1/16	[illegible]	962				[illegible]	1.92	—	[illegible]	0.79	4.079×10^{-9}
	1423	421				9.70	0.14	—	7.30	0.20	2.343×10^{-9}
	1432					9.70			11.45		
1/17	1000	1168				10.80	1.10	—	10.60	0.85	3.615×10^{-9}
	1446	286			24	10.90	0.10	—	10.40	0.20	3.474×10^{-9}
	1517					10.90			12.28		
1/18	1613	1496				11.61	0.71	—	11.29	0.99	3.287×10^{-9}

$K_{20°C}$ AVE = $3.581 \times 10^{-}$

WATER CONTENTS

CONT. NO.					
$W_C + W_S + W_W$					
$W_C + W_S$					
W_W					
W_C					
W_S					
w %					

SPECIMEN DIMENSIONS	
Height, in	
Diameter, in	
Area, in²	
Volume, cu ft	

BEFORE PERMEATION

Wt. cyl + Wt. soil in gms	
Wt. cyl in gms	
Wt. of wet soil in gms	
Volume of soil in ft³	
Wet density γ w in lb/cu ft	
Dry density γd in lb/cu ft	
Void ratio θ	
Saturation S	

AFTER PERMEATION

Wt. cyl + Wt. soil in gms	
Wt. cyl in gms	
Wt. of wet soil in gms	
Initial Wt. wet soil in gms	
Water pickup in gms	
Swell in mm	
Wet density in lbs/cu ft	
Dry density in lbs/ cu ft	

BJ/Chts/1662-03/#4

PERMEABILITY TEST - VOLUME CHANGES DURING BACK PRESSURE

PROJECT: DOE NUMBER: 10805 - 454 - 044 LOCATION: LEHR

BORING NO.: UCD - 23 SAMPLE: B DEPTH: 75.0 SET UP: WL 1, 10, 91

DATE	TIME	ELAPSED TIME (MINS.)	CHAMBER PRESSURE (PSI)	BACK PRESSURE (PSI)		CHAMBER FLUID VOLUME CHANGE (C.C.)		BURETTE READINGS				REMARK
								INFLOW FROM BOTTOM		INFLOW FROM TOP		
				BOT.	TOP	R	Δ	R	Δ	R	Δ	
1/10/91	1403		0	0	0	0.2						
	1404		6	2	0	2.7						
1/11	0933		6	2	0	12.8						
	0934		10	6	6	13.7		7.7		7.9		
	1020		10	6	6	14.0		7.6		7.9		
	1021		20	16	16	15.7		8.8		9.3		
	1139		20	16	16	16.0		8.8		9.4		
	1140		30	26	26	17.6		9.4		10.1		
	1251		30	26	26	18.0		9.4		10.1		
	1252		40	36	36	19.4		9.7		10.5		
	1412		40	36	36	19.9		9.7		10.5		
	1413		50	46	46	21.2		9.9		10.[illegible]		
1/14	0934		50	46	46	23.0	→ 6.0	8.3		9.0		
	0935		60	56	56	7.2		8.4		9.0		
	1323		60	56	56	7.5		10.1		8.9		

BJ7Chts/

Da[illegible] Moore

10805 - 454 - 044

Boring No.: ICD-23 Sample: B Depth: 75.0 (ft./m.) Consol. by: _____ / _____ / _____

σ_3 = 5200 psf = 36.1 psi

CONSOLIDATION DATA

DATE	TIME	ELAPSED TIME (MIN)	CHAMBER PRESSURE (PSI)	BACK PRESS 1 (PSI)	BACK PRESS 2 (PSI)	EXTERNAL BURETTE OR DIAL RDG. (CC)/(IN.)	INTERNAL BURETTE (CC)	PORE PRESSURE (PSI)
1/14	1325	0	70	56	56	5.9	16.6	
	1355					6.5	16.2	
	1439					6.7	16.1	
	1516					6.9	16.0	
	1517	0	80	56	56	8.0	16.0	
	1523					8.3	15.9	
	1527					8.4	15.8	
	1657					9.0	15.55	
	1745					9.1	15.5	

CONSOLIDATION DATA

DATE	TIME	ELAPSED TIME (MIN)	CHAMBER PRESSURE (PSI)	BACK PRESS 1 (PSI)	BACK PRESS 2 (PSI)	EXTERNAL BURETTE OR DIAL RDG. (CC)/(IN.)	INTERNAL BURETTE (CC)	PORE PRESSURE (PSI)
	1746	0	92.1	56	56	10.5	15.5	
1/15	1026					14.0	13.3	

SOIL SAMPLE: UCD-1 # 3B@730

LOCATION:

CELL PRESSURE: 91.4 psi

BACK PRESSURE: 56/56 psi

PERMEABILITY DATA

TEST NO.: 10805-454-

DATE: 1-91

TESTED BY: N. LEW

APPARATUS NO.:

DATE	TIME	Δ TIME MIN.	ACCUM. TIME MIN.	Δ P (PSF)	T °C	INFLOW Reading C.C.	INFLOW Q=Δ Reading	INFLOW k at 20° C cm/sec	OUTFLOW Reading C.C.	OUTFLOW Q=Δ Reading	OUTFLOW k at 20° C cm/sec
							B.P= 59/56				
							BP = 61/56				
							BP = 63/56				
1/15	1147	113				13.54	0.15	8.530×10^{-9}	24.27	0.13	7.393×10^{-9}
	1540					13.69			24.14		
							BP = 65/56 psi				
	1408	174				13.73	0.25	7.181×10^{-9}	24.10	0.20	5.745×10^{-9}
	1702	962				13.98	1.13	5.871×10^{-9}	23.90	1.19	6.182×10^{-9}
1/16	0904	322				15.11	0.36	5.588×10^{-9}	22.71	0.33	5.122×10^{-9}
	1426					15.47			22.38		
	1431	1171				12.12	1.21	5.164×10^{-9}	22.36	1.35	5.762×10^{-9}
1/17	1002	283				13.33	0.28	4.945×10^{-9}	21.01	0.31	5.475×10^{-9}
	1445				24	13.61			20.70		
	1516	1498				10.53	1.52	5.071×10^{-9}	20.69	1.63	5.438×10^{-9}
1/18	1614					12.05			19.06		

$K_{20°C}$ Avg = 6.050×10^{-9} Avg = 5.874×10^{-9}

WATER CONTENTS

CONT. NO.					
$W_C + W_S + W_W$					
$W_C + W_S$					
W_W					
W_C					
W_S					
w %					

SPECIMEN DIMENSIONS	
Height, in	
Diameter, in	
Area, in²	
Volume, cu ft	

BEFORE PERMEATION

Wt. cyl + Wt. soil in gms	
Wt. cyl in gms	
Wt. of wet soil in gms	
Volume of soil in ft³	
Wet density γ w in lb/cu ft	
Dry density γ d in lb/cu ft	
Void ratio e	
Saturation S	

AFTER PERMEATION

Wt. cyl + Wt. soil in gms	
Wt. cyl in gms	
Wt. of wet soil in gms	
Initial Wt. wet soil in gms	
Water pickup in gms	
Swell in mm	
Wet density in lbs/cu ft	
Dry density in lbs/ cu ft	

BJ/Chts/1862-03/#4

COMPRESSIVE STRAIN TEST

Type of Test

- ☐ TX/UU
- ☐ TX/CU (field moisture)
- ☐ TX/CU (saturated)
- ☐ UC (unconfined compression)
- ☒ PERM

Project: DOE Location: Job # 10805-454-

Soil Classification: CL Boring # UCD-19

Sample # 72

DATE SAMPLED: 4/27/90 Depth (ft.) 73.0

Tested By: NL 1/10/91 Computed By: / / Checked By: / / Office: 003

	Initial	Final
Wet Weight of Soil + Tare (gm) (6)		649.4
Dry Weight of Soil + Tare (gm)		593.2
Net Loss of Moisture (gm)	56.0	
Tare Weight (gm)		284.5
Dry Weight of Soil (gm)	308.7	
Moisture (w_c), % of Dry Weight	18.1	18.2
Wet Weight of Sample (gm)	364.7	364.9
Dry Weight of Sample (gm)		
Wet Density of Sample – γ_m, (pcf)	133.0	
Dry Density of Sample – γ_d, (pcf)	112.6	116.0
$\gamma_{df} = \gamma_{do} \times (V_{to}/V_{tf}) =$		
Sample Height (IN) – H	2.34	
Sample Diameter (IN) – D	2.384	
Sample Area (SQ IN) – A	4.464	
Sample Volume (cc) – V_t	171.2	166.2
Volume of Solid (cc) – V_s	112.2	112.2
Volume of Void (cc) – V_v	59.0	54.0
Void Ratio – e	0.526	0.481
Degree of Saturation – s %	94.6	104

SAMPLE TYPE:

- ☒ Undisturbed
- ☐ Remolded to –

% D_d _____

% Compaction _____

PRESSURES:

σ_{cell} = _____ psi/psf

σ_{bp} = _____ psi/psf

σ_3 = 5100 ~~psi~~/psf

σ_1 = _____ psi/psf

κ_c = _____

RATE OF SHEARING:

_____ in/min

_____ in/hr.

Load Controlled

SPECIFIC GRAVITY:

2.75 Assumed / Determined

SUMMARY OF TEST RESULTS

	5%	10%	15%	20%	PEAK
Axial Strain (%) – E					
Deviator Stress (psf) – $\sigma_1 - \sigma_3$					
Shear Stress (psf) – τ					

REMARKS: _____

EQUIPMENT:

Cell # _____ Load Frame # _____

Saturation Consol # _____

Calibration Checked: _____ / /

DAMES & MOORE

SATURATION DATA

PROJECT NAME: DOE JOB NO.: 10805-454-44 BORING: UCD-19 SPL# 73 B DEPTH 73 ft.

① DATE	② TIME	③ CHAMBER PRESSURE (PSI)	DRAINAGE ④ Reservoir Line Back Pressure (PSI)	DRAINAGE ⑤ Burette Line Back Pressure (PSI)	CHAMBER FLUID VOLUME CHANGE [Using External Burette Readings] C.C. OR INCH ⑥ After Drainage Open	⑦ Before Step ⑧	* ΔV (c.c.) ⑦ − ⑥	⑧ INCREMENT IN-CHAMBER PRESSURE With Drainage Valves Closed FROM (PSI)	TO (PSI)	⑨ INCREMENTAL PORE WATER PRESSURE RESPONSE FROM (PSI)	TO (PSI)	⑩ APPROX. ELAPSED TIME FOR PWP TO STABALIZE SEC./MIN.	⑪ B-FACTOR ⑨ ÷ ⑧
1/10		0	Close	Close	— 0.0	—	—						
	1525	6	2	0	4.4								
1/11	0937	6	2	2	8.3								
	0938	10	6	6	9.5								
	1022	10	6	6	9.6								
	1023	20	16	16	11.7								
	1135	20	16	16	12.3								
	1136	30	26	26	14.0								
	1253	30	26	26	14.3								
	1254	40	36	36	15.9								
	1405	40	36	36	16.2			40	50	35.9	41.7	1.0	0.58
	1407	50	46	46	17.8								
1/14	0935	50	46	46	21.0			50	60	46.2	53.7	1.0	0.75
	0936	60	56	56	22.4								
	1310	60	56	56	22.4			60	70	55.9	64.1	10	
											64.5	20	
											64.7	30	
											64.8	40	0.89

10805 - 450 - 44

Boring No.: UCD-19 Sample: 73B Depth: 73.0 (ft. ~~m.~~) Consol. by: WL 1 / 14 / 91

$\bar{\sigma}_3$ = 5100 psf = 35.4 psi

CONSOLIDATION DATA

DATE	TIME	ELAPSED TIME (MIN)	CHAMBER PRESSURE (PSI)	BACK PRESS 1 (PSI)	BACK PRESS 2 (PSI)	EXTERNAL BURETTE OR DIAL RDG. (CC)/(IN.)	INTERNAL BURETTE (CC)	PORE PRESSURE (PSI)
1/14	1316	0	70	56	56	23.9	17.0	
	1318	2				24.2	16.65	
	1326					24.5	16.4	
	1354					25.0	15.9	
	1438					25.3	15.6	
	1518					25.5	15.5	
	1519	0	80	56	56	26.9	15.5	
	1522					27.2	15.1	
	1526½					27.3	15.0	
	1658					28.2	14.2	
	1743					28.3	14.1	

CONSOLIDATION DATA

DATE	TIME	ELAPSED TIME (MIN)	CHAMBER PRESSURE (PSI)	BACK PRESS 1 (PSI)	BACK PRESS 2 (PSI)	EXTERNAL BURETTE OR DIAL RDG. (CC)/(IN.)	INTERNAL BURETTE (CC)	PORE PRESSURE (PSI)
	1744	0	91.4	56	56	29.95	14.1	
1/15	1039					32.2	12.7	

PROJECT: DOE No.: 10805-454-044 LOCATION:

Boring No.: UCD-19 Sample: 73B Depth: 73.0 (ft./m.) / /

σ_c = 5100 psf

WORK SHEET

INITIAL HEIGHT (IN)	ΔV (c.c.):
INI. WET WT. = (gms)	SAT. =
	CONSOL. =
INITIAL DIAMETER (IN.)	ΔV = c.c.

SAMPLE HEIGHT, AREA, AND VOLUME CORRECTIONS AFTER CONSOLIDATION

INITIAL SAMPLE HEIGHT (H_0) ..... 2.34 IN.

INITIAL DIAL .577 FINAL DIAL .622 CHANGE IN HEIGHT (ΔH) ..... .045 IN.

FINAL HEIGHT AFTER CONSOLIDATION (H_c) ..... 2.295 IN.

INITIAL SAMPLE AREA (A_0) ..... 4.464 IN.²

INITIAL SAMPLE VOLUME (V_0) ..... 171.2 CC

INITIAL BURETTE/DIAL 0.0 FINAL BURETTE/DIAL _____ CHANGE IN VOL. (ΔV) ..... 5.0 CC

FINAL VOLUME AFTER CONSOLIDATION (V_c) ..... 166.2 CC

$A_c = V_c / H_c$

= 4.419 SQ. IN.

WATER ADDED:

external burette

from ____ cc to ____ cc

= _____

Δ Burette _____ CC

Piston Displ. _____ CC

Δ Volume _____ CC

Cell Exp. @ ____ psi _____

Net Δ Volume _____ CC

Dial Conversion Factor:

____ in. = ____ cc

Page ____ of ____

COMPRESSIVE STRAIN TEST

Type of Test
- ☐ TX/UU
- ☐ TX/CU (field moisture)
- ☐ TX/CU (saturated)
- ☐ UC (unconfined compression)
- ☒ PERM

Project: DOE Location: LEHR Job # 0605-454-c

Soil Classification: BR. ML w/ SAND LENSES Boring # UCD 18

Sample # B

Depth (ft.) 65.0

Tested By: WL 1/10/91 Computed By: / / Checked By: / / Office: 003

DATE SAMPLED 10/2/90

	Initial	Final
Wet Weight of Soil + Tare (gm)		585.3
Dry Weight of Soil + Tare (gm) (EG-6)		508.5
Net Loss of Moisture (gm)	81.2	
Tare Weight (gm)		167.8
Dry Weight of Soil (gm)	340.7	
Moisture (w_c), % of Dry Weight	23.8	22.5
Wet Weight of Sample (gm)	421.9	417.5
Dry Weight of Sample (gm)		
Wet Density of Sample – γ_m, (pcf)	126.3	
Dry Density of Sample – γ_d, (pcf)	102.0	105.7
$\gamma_{df} = \gamma_{do} \times (V_{to}/V_{tf}) =$		
Sample Height (IN) – H	2.80	
Sample Diameter (IN) – D	2.406	
Sample Area (SQ (IN)) – A	4.547	
Sample Volume (cc) – V_t	208.6	201.3
Volume of Solid (cc) – V_s	123.9	123.9
Volume of Void (cc) – V_v	84.7	77.4
Void Ratio – e	0.684	0.625
Degree of Saturation – s %	95.7	99.0

SAMPLE TYPE:
- ☒ Undisturbed
- ☐ Remolded to –

% D_d _____

% Compaction _____

PRESSURES:

σ_{cell} = _____ psi/psf

σ_{bp} = _____ psi/psf

σ_3 = 4500 psi/psf

σ_1 = _____ psi/psf

κ_c = _____

RATE OF SHEARING:

_____ in/min

_____ in/hr.

Load Controlled

SPECIFIC GRAVITY:

2.75 Assumed / Determined

SUMMARY OF TEST RESULTS

	5%	10%	15%	20%	PEAK
Axial Strain (%) – E					
Deviator Stress (psf) – $\sigma_1 - \sigma_3$					
Shear Stress (psf) – τ					

517.5
-175.6

REMARKS:

EQUIPMENT:

Cell # B Load Frame # _____

Saturation Consol # _____

Calibration Checked: _____ / /

SOIL SAMPLE: UCD18 #B @ 65.0'
LOCATION:
CELL PRESSURE: 58.3 psi
BACK PRESSURE: 57/57

PERMEABILITY DATA

JOB TEST NO.: 10805-454
DATE: 1-15-91
TESTED BY: W. LEW
APPARATUS NO.:

DATE	TIME	Δ TIME MIN.	ACCUM. TIME MIN.	Δ P (PSF)	T °C	INFLOW Reading C.C.	INFLOW Q=Δ Reading	INFLOW k at 20° C cm/sec	OUTFLOW Reading C.C.	OUTFLOW Q=Δ Reading	OUTFLOW k at 20° C cm/sec
		BACK	PRESSURE			591	57	psi			
1/15											
	0939	12			23	12.51	0.29	6.522×10^{-7}	14.16	0.30	6.747×10^{-7}
	095	22				12.80	0.50	6.134×10^{-7}	13.86	0.51	6.256×10^{-7}
	1013	16				13.30	1.40	6.747×10^{-7}	13.35	0.38	6.410×10^{-7}
	1029					13.70			12.97		
							BP = 60/57 psi				
	10:37	12				13.95	0.42	6.297×10^{-7}	16.30	0.41	6.147×10^{-7}
	1049	24				14.37	0.78	5.847×10^{-7}	15.87	0.79	5.922×10^{-7}
	11 13	25				15.15	0.84	6.045×10^{-7}	15.10	0.82	5.901×10^{-7}
	1138					15.99	3.90	—	14.28	3.95	—
	1341					19.89			10.33		
							BP =	61/57 psi			
	1346	24			24	13.61	1.09	6.128×10^{-7}	15.42	1.02	5.735×10^{-7}
	1410	13				14.70	0.59	6.124×10^{-7}	14.40	0.60	6.228×10^{-7}
	1423					15.29			13.80		

AVR = 6.231×10^{-7} AVR = $6.168 \times 10^{-}$

WATER CONTENTS

CONT. NO.					
$W_C + W_S + W_W$					
$W_C + W_S$					
W_W					
W_C					
W_S					
w %					

SPECIMEN DIMENSIONS	BEFORE	AFTER
Height, in	2.80	2.767
Diameter, in		
Area, in²	4.547	4.440
Volume, cu ft c.c	208.6	201.3

BEFORE PERMEATION

Wt. cyl + Wt. soil in gms	
Wt. cyl in gms	
Wt. of wet soil in gms	
Volume of soil in ft³	
Wet density γ w in lb/cu ft	
Dry density γ d in lb/cu ft	
Void ratio e	
Saturation S	

AFTER PERMEATION

Wt. cyl + Wt. soil in gms	
Wt. cyl in gms	—
Wt. of wet soil in gms	
Initial Wt. wet soil in gms	
Water pickup in gms	
Swell in mm	
Wet density in lbs/cu ft	
Dry density in lbs/ cu ft	

BJ/Chts/1862-03/#4

PERMEABILITY TEST - VOLUME CHANGES DURING BACK PRESSURE

PROJECT: DOE NUMBER: 10805-454-044 LOCATION: LEHR

BORING NO.: UCD 18 SAMPLE: B DEPTH: 65.0 SET UP: WL 1/10 /91

DATE	TIME	ELAPSED TIME (MINS.)	CHAMBER PRESSURE (PSI)	BACK PRESSURE (PSI)		CHAMBER FLUID VOLUME CHANGE (C.C.)		BURETTE READINGS				REMARK
								INFLOW FROM BOTTOM		INFLOW FROM TOP		
				BOT.	TOP	R	Δ	R	Δ	R	Δ	
1/10	1118		0	0	0	0.0						
	1119		5	2	2							
	1120		5	2	0	2.5						
1/11	0931		5	2	2	6.4						
	0932		10	7	7	7.3		6.8		12.5		
	1018		10	7	7	7.3		7.2		12.7		
	1019		20	17	17	9.0		8.8		14.0		
	1137		20	17	17	9.0		9.3		14.2		
	1138		30	27	27	10.5		10.2		14.9		
	1250		30	27	27	10.5		10.5		15.0		
	1251		40	37	37	12.0		11.0		15.3		
	1410		40	37	37	12.0		11.3		15.4		
	1411		50	47	47	13.3		11.6		15.7		
1/14	0931		50	47	47	15.5		14.1		14.5		
	0932		60	57	57	16.6		14.2		14.6		
	1058		60	57	57	16.7		14.3		14.7		

BJ7Chts/1862-03/2

Dames & Moore

10805 - 454 - 044

Boring No.: UCD 18 Sample: B Depth: 65.0 (ft./m.) Consol. by: _____ / _____ / _____

σ_3 = 4500 psf = 31.3 psi

CONSOLIDATION DATA

DATE	TIME	ELAPSED TIME (MIN)	CHAMBER PRESSURE (PSI)	BACK PRESS 1 (PSI)	BACK PRESS 2 (PSI)	EXTERNAL BURETTE OR DIAL RDG. (CC)/(IN.)	INTERNAL BURETTE (CC)	PORE PRESSURE (PSI)
1/14	1100	0	70	57	57	5.7	14.3	
	1101	1				6.35	13.6	
	1124					7.9	12.1	
	1318					8.3	11.8	
	1320	0	78	57	57	9.2	11.8	
	1325					10.2	10.8	
	1355					10.8	10.3	
	1515					11.1	10.0	
	1534					11.1	10.0	

CONSOLIDATION DATA

DATE	TIME	ELAPSED TIME (MIN)	CHAMBER PRESSURE (PSI)	BACK PRESS 1 (PSI)	BACK PRESS 2 (PSI)	EXTERNAL BURETTE OR DIAL RDG. (CC)/(IN.)	INTERNAL BURETTE (CC)	PORE PRESSURE (PSI)
	1536	0	88.3	57	57	12.3	10.0	
	1657					14.0	8.3	
1/15	0911					15.1	8.0	
								6.3

COMPRESSIVE STRAIN TEST

Type of Test
- ☐ TX/UU
- ☐ TX/CU (field moisture)
- ☐ TX/CU (saturated)
- ☐ UC (unconfined compression)
- ☒

Project: DOE Location: LEHR Job # 10805-454-04

Soil Classification: ML Boring # ICD-22

Sample # C

DATE SAMPLED: 10/23/90 Depth (ft.) 70.0

Tested By: WL 1/10/91 Computed By: ____/ / Checked By: ____/ / Office: 003

	Initial	Final
Wet Weight of Soil + Tare (gm) FJR-9		516.0
Dry Weight of Soil + Tare (gm)		446.6
Net Loss of Moisture (gm)	77.5	
Tare Weight (gm)		167.3
Dry Weight of Soil (gm)	279.3	
Moisture (w_c), % of Dry Weight	27.75	24.85
Wet Weight of Sample (gm)	356.8	348.7
Dry Weight of Sample (gm)		
Wet Density of Sample – γ_m, (pcf)	124.2	
Dry Density of Sample – γ_d, (pcf)	97.2	102.5
$\gamma_{df} = \gamma_{do} \times (V_{to}/V_{tf}) =$		
Sample Height (IN) – H	2.42	
Sample Diameter (IN) – D	2.400	
Sample Area (SQ IN) – A	4.524	
Sample Volume (cc) – V_t	179.4	170.1
Volume of Solid (cc) – V_s	101.6	101.6
Volume of Void (cc) – V_v	77.8	68.5
Void Ratio – e	0.766	0.674
Degree of Saturation – s %	99.6	101.4

SAMPLE TYPE:
- ☒ Undisturbed
- ☐ Remolded to –

% D_d ____

% Compaction ____

PRESSURES:

σ_{cell} = ____ psi/psf

σ_{bp} = ____ psi/psf

σ_3 = 5000 psi/psf

σ_1 = ____ psi/psf

K_c = ____

RATE OF SHEARING:

____ in/min

____ in/hr.

Load Controlled

SPECIFIC GRAVITY:

2.75 Assumed / Determined

SUMMARY OF TEST RESULTS

	5%	10%	15%	20%	PEAK
Axial Strain (%) – E					
Deviator Stress (psf) – $\sigma_1 - \sigma_3$					
Shear Stress (psf) – τ					

REMARKS: ____

EQUIPMENT:

Cell # ____ Load Frame # ____

Saturation Consol # ____

Calibration Checked: ____/ /

SOIL SAMPLE: UCD-22 #C @70

LOCATION:

CELL PRESSURE: 91.7 psi

BACK PRESSURE: 57/57 psi

PERMEABILITY DATA

TEST NO.: 10805-454-0

DATE: 1-15-91

TESTED BY: WL

APPARATUS NO.:

DATE	TIME	Δ TIME MIN.	ACCUM. TIME MIN.	Δ P (PSF)	T °C	INFLOW Reading C.C.	INFLOW Q=Δ Reading	INFLOW k at 20° C cm/sec	OUTFLOW Reading C.C.	OUTFLOW Q=Δ Reading	OUTFLOW k at 20° C cm/sec
							B.P. = 59/57 psi				
							BP = 60/57 psi				
1-15	1025				23	11.06			9.30		
	1046	21				11.29	0.21	1.536×10^{-7}	9.00	0.22	1.609×10^{-7}
	1129	43				11.69	0.40	1.429×10^{-7}	8.68	0.40	1.429×10^{-7}
							BP = 61/57 psi				
	11:55				24	10.85			8.[illegible]		
	13.36	121				12.30	1.45	1.380×10^{-7}	7.13	1.47	1.400×10^{-7}
	1409					10.10			6.72		
	1510	61				10.90	0.80	1.511×10^{-7}	5.99	0.73	1.379×10^{-7}
							BP = 63/57 psi				
	1514					9.[illegible]7			5.10		
	1559	45			24	10.71	0.84	1.434×10^{-7}	[illegible]	0.83	1.417×10^{-7}
	[illegible]42	43				11.50	0.79	1.411×10^{-7}	4.29	0.78	1.393×10^{-7}

Ave = 1.450×10^{-7} $K_{20°C}$ = 1.438×10^{-7}

WATER CONTENTS

CONT. NO.					
$W_C + W_S + W_W$					
$W_C + W_S$					
W_W					
W_C					
W_S					
w %					

SPECIMEN DIMENSIONS	After Consol
Height, in	2.35
Diameter, in	
Area, in²	4.417
Volume, cu ft	

BEFORE PERMEATION

Wt. cyl + Wt. soil in gms	
Wt. cyl in gms	
Wt. of wet soil in gms	
Volume of soil in ft³	
Wet density γ w in lb/cu ft	
Dry density γd in lb/cu ft	
Void ratio e	
Saturation S	

AFTER PERMEATION

Wt. cyl + Wt. soil in gms	
Wt. cyl in gms	
Wt. of wet soil in gms	
Initial Wt. wet soil in gms	
Water pickup in gms	
Swell in mm	
Wet density in lbs/cu ft	
Dry density in lbs/ cu ft	

BJ/Chts/1862-03/#4

SATURATION DATA

PROJECT NAME: DOE JOB NO.: 10805-454-044 BORING: UCD-22 SPL# C DEPTH 70 ft.

① DATE	② TIME	③ CHAMBER PRESSURE (PSI)	DRAINAGE ④ Reservoir Line Back Pressure (PSI)	DRAINAGE ⑤ Burette Line Back Pressure (PSI)	CHAMBER FLUID VOLUME CHANGE [Using External Burette Readings] C.C. OR INCH ⑥ After Drainage Open	⑦ Before Step ⑧	* Δ V (c.c.) ⑦ − ⑥	⑧ INCREMENT IN-CHAMBER PRESSURE With Drainage Valves Closed FROM (PSI)	TO (PSI)	⑨ INCREMENTAL PORE WATER PRESSURE RESPONSE FROM (PSI)	TO (PSI)	⑩ APPROX. ELAPSED TIME FOR PWP TO STABALIZE SEC./MIN.	⑪ B-FACTOR ⑨ ÷ ⑧
1/10		0	Close	Close	— 0.2	—	—						
	1603	5	2	0	3.5								
1/11	0938	5	2	2	10.4								
	0939	10	7	7	11.5								
	1023	10	7	7	11.7								
	1024	20	17	17	13.5								
	1136	20	17	17	14.1								
	1137	30	27	27	15.7								
	1254	30	27	27	16.0								
	1255	40	37	37	17.9								
	1408	40	37	37	18.2			40	50	36.9	45.4	1.0	0.85
	1409	50	47	47	20.0								
1/14	0938	50	47	47	23.6			50	60	47.1	56.7	1.0	0.96
	0939	60	57	57	25.1								

10805 - 451 - 014

Boring No.: HCD-22 Sample: C Depth: 70 (ft./m.) Consol. by: WL 1/14/91

σ_{-3} = 5000 psi = 347 psi

CONSOLIDATION DATA

DATE	TIME	ELAPSED TIME (MIN)	CHAMBER PRESSURE (PSI)	BACK PRESS 1 (PSI)	BACK PRESS 2 (PSI)	EXTERNAL BURETTE OR DIAL RDG. (CC)/(IN.)	INTERNAL BURETTE (CC)	PORE PRESSURE (PSI)
1/14	1041	0	70	57	57	26.6	22.0	
	1045	1				27.3	21.1	
	1048	4					20.2	
	1124					29.8	18.7	
	1307					30.1	18.4	
	1308	0	30	57	57	31.5	18.4	
	1309	1				32.0	17.8	
	1314	6				32.8	17.1	
	1326					33.3	16.6	
	1354					33.6	16.3	
	1525					33.8	16.1	

CONSOLIDATION DATA

DATE	TIME	ELAPSED TIME (MIN)	CHAMBER PRESSURE (PSI)	BACK PRESS 1 (PSI)	BACK PRESS 2 (PSI)	EXTERNAL BURETTE OR DIAL RDG. (CC)/(IN.)	INTERNAL BURETTE (CC)	PORE PRESSURE (PSI)
	1526	0	91.7	57	57	35.5	16.1	
	1532½					36.6	15.0	
	1659					37.5	14.2	
1/15	0955					38.7	13.7	
								8.3

PROJECT: DOE No.: 10805-45-44 LOCATION: LEHR

Boring No.: UCD-22 Sample: C Depth: 70 (ft./~~m.~~) / / /

σ_c = 5000 psf

WORK SHEET

INITIAL HEIGHT (IN)	ΔV (c.c.) :
INI. WET WT. = (gms)	SAT. = CONSOL. =
INITIAL DIAMETER (IN.)	ΔV = c.c.

SAMPLE HEIGHT, AREA, AND VOLUME CORRECTIONS AFTER CONSOLIDATION

INITIAL SAMPLE HEIGHT (H_0) ..... 2.42 IN.

INITIAL DIAL 243 FINAL DIAL 313 CHANGE IN HEIGHT (ΔH) ..... 0.07 IN.

FINAL HEIGHT AFTER CONSOLIDATION (H_c) ..... 2.35 IN.

INITIAL SAMPLE AREA (A_0) ..... 4524 IN.²

INITIAL SAMPLE VOLUME (V_0) ..... 179.4 CC

INITIAL BURETTE/DIAL _____ FINAL BURETTE/DIAL _____ CHANGE IN VOL. (ΔV) ..... 9.3 CC

FINAL VOLUME AFTER CONSOLIDATION (V_c) ..... 170.1 CC

$A_c = V_c / H_c$

= 4.417 SQ. IN.

WATER ADDED:

external burette

from _____ cc to _____ cc

= _____

Dial Conversion Factor:

_____ in. = _____ cc

Δ Burette _____ CC

Piston Displ. _____ CC

Δ Volume _____ CC

Cell Exp. @ _____ psi _____ CC

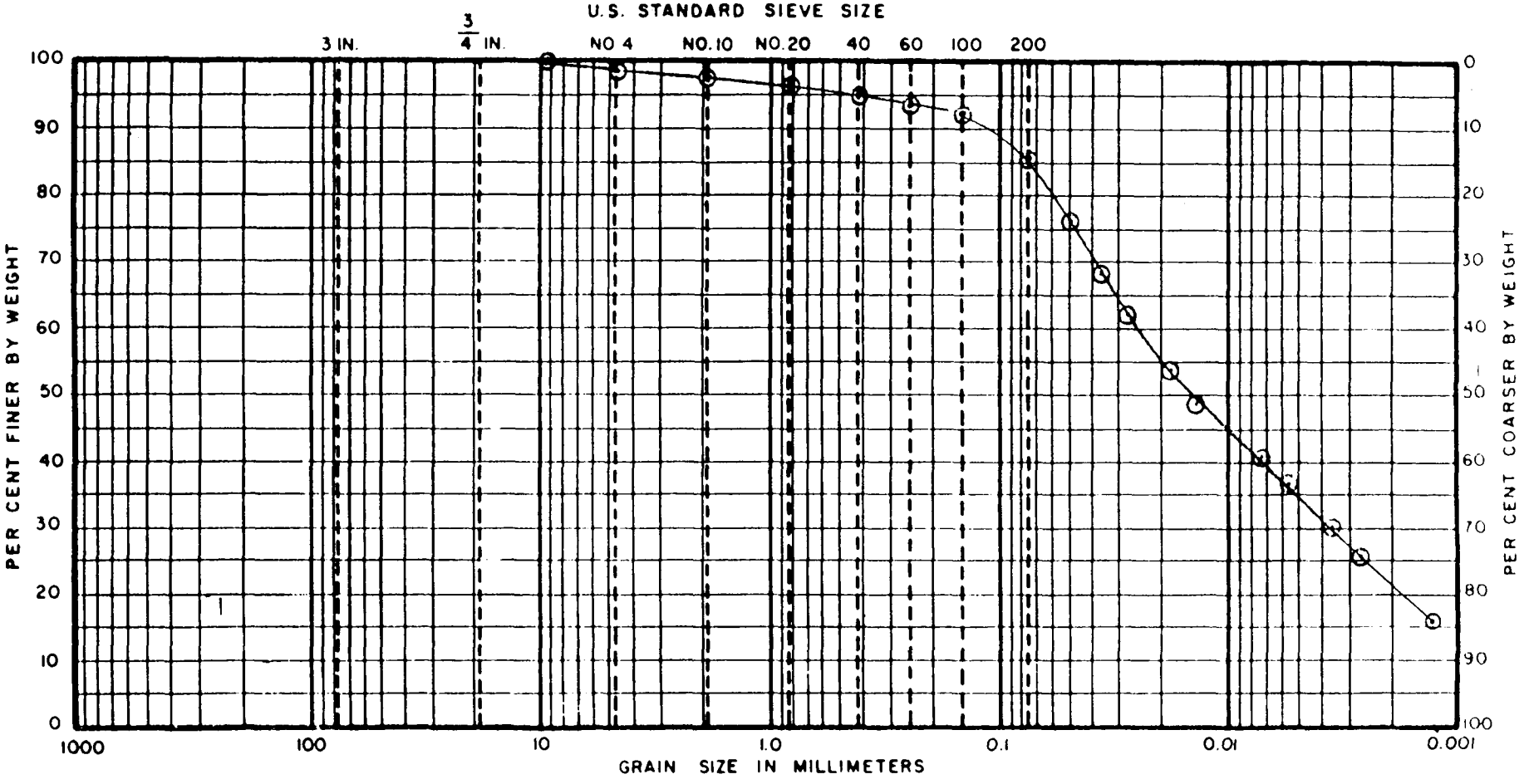
Net Δ Volume _____ CC

Page ____ of ____

757.8

10805-454-044

BORING	DEPTH	ELEV.	SAMPLE	LIQUID LIMIT	PLASTIC LIMIT	SYMBOL	SOIL CLASSIFICATION	KEY
UCD 20	65.0		C			ML/CL		



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

GRAIN-SIZE DISTRIBUTION

Dames & Moore

DAMES & MOORE

Job No. 10805-454-44 Client DOE Boring UCD 20 Sample C Depth 65.0

Date Sampled _____ By _____ Date Tested 1-91 By WL Checked By _____

Soil Classification _____

Wash Sieve ✓ Dry Sieve _____

SIEVE TEST

Dish Number	Weight Of Sample Oven Dried Before Washing (gm)	Sieve Opening (mm)	Sieve No. U.S. Equivalent	Indivdual Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % Retained (%)	Cumulative % Passing (%)	Correction Factor	Corrected Cumulative % Passing (%)
14	150.0	76.10	3"						
		50.80	2"						
		38.10	1 1/2"						
		25.40	1"						
		19.00	3/4"						
		12.70	1/2"						
		9.51	3/8"		0	0	100		
		4.76	#4		1.32	.88	99.12		
		2.00	#10		3.75	2.5	97.5		
		0.841	#20		5.71	3.8	96.2		
		0.420	#40		7.47	5.0	95.0		
		0.250	#60		9.23	6.15	93.85		
		0.149	#100		11.50	7.67	92.33		
		0.074	#200		21.64	14.43	85.57		

HYDROMETER TEST

Hydrometer No. ASTM #152H

G_s (Determined/Assumed) 2.75

Deflocculant 125 cc Of SODIUM HEXA-METAPHOSPHATE

Weight Of Dry Soil (Passing #10) 59.3 gms.

Cylinder No. LM 119

Date	Time	Elapsed Time (min.)	T °C	Reading (Top Of Meniscus)
1/22	1020	0	23	
		½		53.8
	21	1		49.2
	22	2		45.1
	25	5		40.0
	1030	~~15~~ 10		36.6
	1056	~~30~~ 36		31.7
	1125	~~60~~ 65	23.5	28.8
	1252	~~120~~ 152		24.9
	1448	~~250~~ 268	24	22.0
1/23	0908	~~1440~~ 1368	24	16.0

DATA REDUCTION

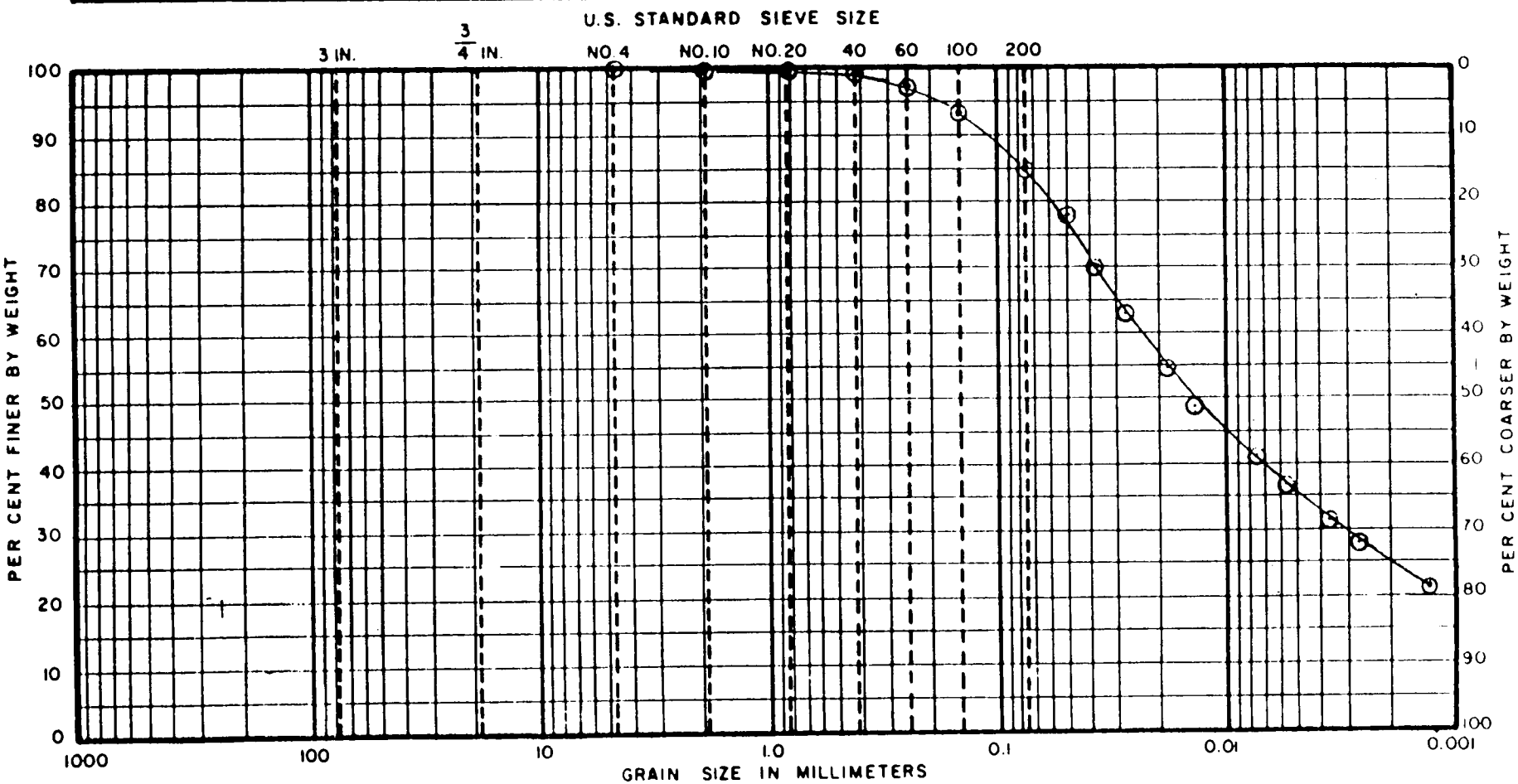
0.975

Percentage Finer	Diameter (mm)	Corrected % Finer
78.14	0.0495	76.19
70.54	0.0367	68.78
63.76	0.0270	62.17
55.34	0.0179	53.96
50.05	0.0130	48.80
41.62	.00710	40.58
37.09	.00536	36.16
30.64	0.00360	29.87
26.11	0.00275	25.46
16.20	0.00126	15.79

757.8

10805-454-044

BORING	DEPTH	ELEV.	SAMPLE	LIQUID LIMIT	PLASTIC LIMIT	SYMBOL	SOIL CLASSIFICATION	KEY
UCD 19	73.0		73 B			CL		



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

GRAIN-SIZE DISTRIBUTION

Dames & Moore

DAMES & MOORE

Job No. DCO-454-44 Client DOE Boring UCD 19 Sample 238 Depth 73.0

Date Sampled _____ By _____ Date Tested 1-91 By NL Checked By _____

Soil Classification CL

Wash Sieve ✓ Dry Sieve _____

SIEVE TEST

Dish Number	Weight Of Sample Oven Dried Before Washing (gm)	Sieve Opening (mm)	Sieve No. U.S. Equivalent	Indivdual Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % Retained (%)	Cumulative % Passing (%)	Correction Factor	Corrected Cumulative % Passing (%)
6	1555	76.10	3"						
		50.80	2"						
		38.10	1 1/2"						
		25.40	1"						
		19.00	3/4"						
		12.70	1/2"						
		9.51	3/8"						
		4.76	#4		0	0	100		
		2.00	#10		0.34	.2	99.8		
		0.841	#20		0.57	.37	99.6		
		0.420	#40		1.19	.77	99.24		
		0.250	#60		3.80	2.4	97.56		
		0.149	#100		10.39	6.68	93.3		
		0.074	#200		23.63	15.2	84.8		

HYDROMETER TEST

Hydrometer No. ASTM #152H

G_s (Determined/Assumed) 2.75

Deflocculant 125 cc Of _____

Weight Of Dry Soil (Passing #10) 59.5 gms.

Cylinder No. SL 524

Date	Time	Elapsed Time (min.)	T °C	Reading (Top Of Meniscus)
1/22	1026	0	23	
		½		53.9
	27	1		49.0
	28	2		44.9
	31	5		39.8
	1036	~~15~~ 10		36.1
	1100	~~30~~ 34		21.2
	1126	60 ✓	23.5	28.6
	1253	~~120~~ 147		25.4
	1449	~~250~~ 263	24	23.3
1/23	0900	~~1440~~ 1363	21	19.1

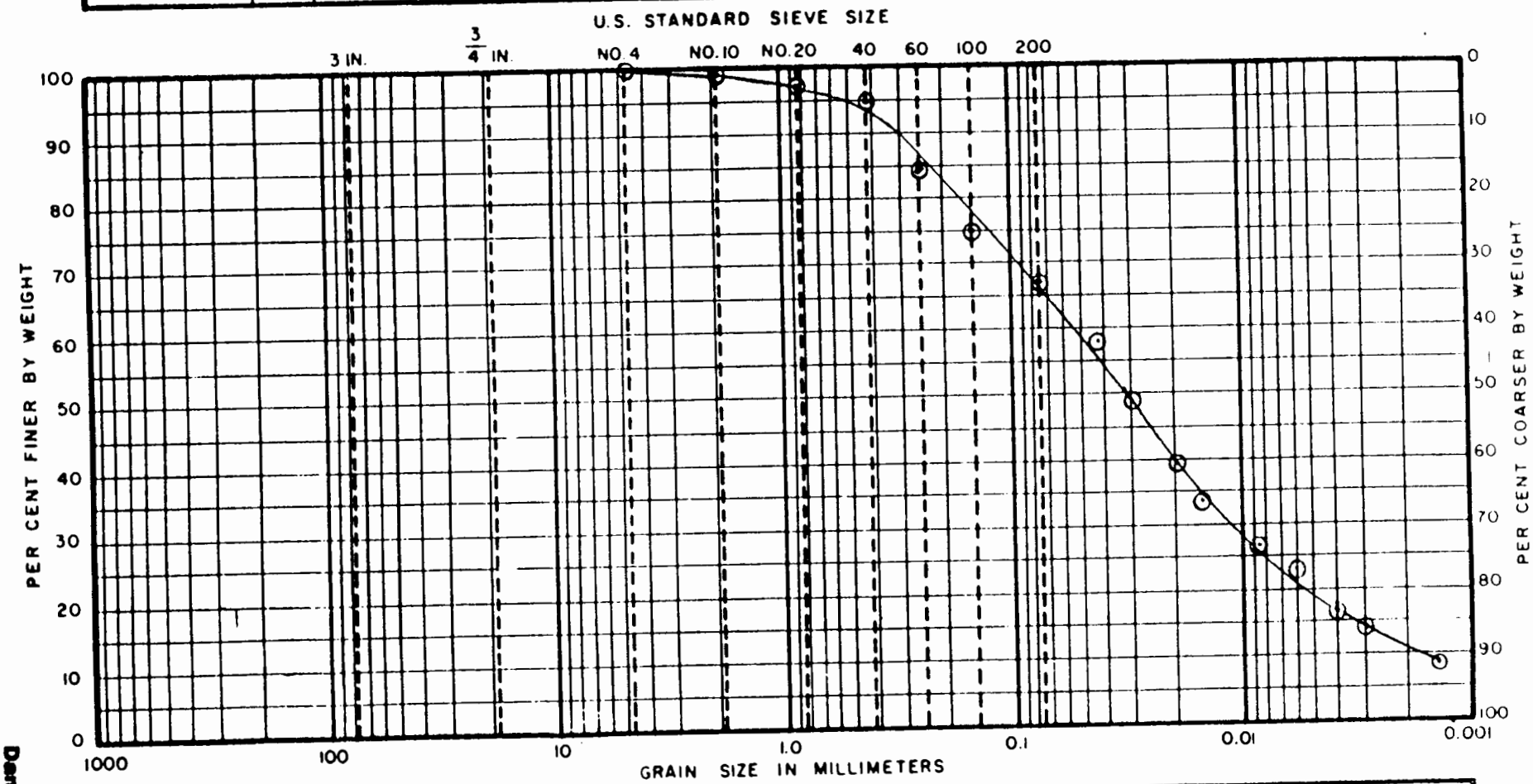
DATA REDUCTION

Percentage Finer	Diameter (mm)	Corrected % Finer
78.04	0.0495	
69.97	0.0368	
63.22	0.0271	
54.82	0.0179	
48.725	0.0130	
40.65	0.00733	
36.63	0.00559	
31.36	0.00365	
28.16	0.00275	
21.25	0.00124	

757.8

10805-454-44

BORING	DEPTH	ELEV.	SAMPLE	LIQUID LIMIT	PLASTIC LIMIT	SYMBOL	SOIL CLASSIFICATION	KEY
UCD 18	65.0		B			ML		



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

GRAIN-SIZE DISTRIBUTION

Dames & Moore

DAMES & MOORE

Job No. 10805-454-44 Client DOE Boring WCD 18 Sample B Depth 25.0

Date Sampled _____ By _____ Date Tested 1-91 By JL Checked By _____

Soil Classification _____

Wash Sieve ✓ Dry Sieve _____

SIEVE TEST

Dish Number	Weight Of Sample Oven Dried Before Washing (gm)	Sieve Opening (mm)	Sieve No. U.S. Equivalent	Indivdual Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative Retained	Cumulative Passing	Correction Factor	Corrected Cumulative (%)
EG6	166.2	76.10	3"						
		50.80	2"						
		38.10	1 1/2"						
		25.40	1"						
		19.00	3/4"						
		12.70	1/2"						
		9.51	3/8"						
		4.76	#4		0		100		
		2.00	#10		1.19	0.7	99.3		
		0.841	#20		3.98	2.4	97.6		
		0.420	#40		8.21	4.9	95.1		
		0.250	#60		25.89	15.6	844		
		0.149	#100		41.27	24.8	75.2		
		0.074	#200		54.94	33.1	66.9		

HYDROMETER TEST

Hydrometer No. ASTM #152H

G_s (Det~~ermined~~/Assumed) 2.70

Deflocculant 125 cc Of SODIUM HEXA-METAPHOSPHATE

Weight Of Dry Soil (Passing #10) 53.0 gms.

Cylinder No. YZ 546

Date	Time	Elapsed Time (min.)	T °C	Reading (Top Of Meniscus)
1/22	1032	0		
		½	23	–
	33	1		37.9
	34	2		33.1
	37	5		28.0
	1042 10	~~15~~ 10		24.9
	1102	30		20.8
	1132	60	23.5	18.8
	1254	~~120~~ 142		15.4
	1450	~~250~~ 258	24	13.9
1/23	0910	~~1440~~ 1358	24	11.0

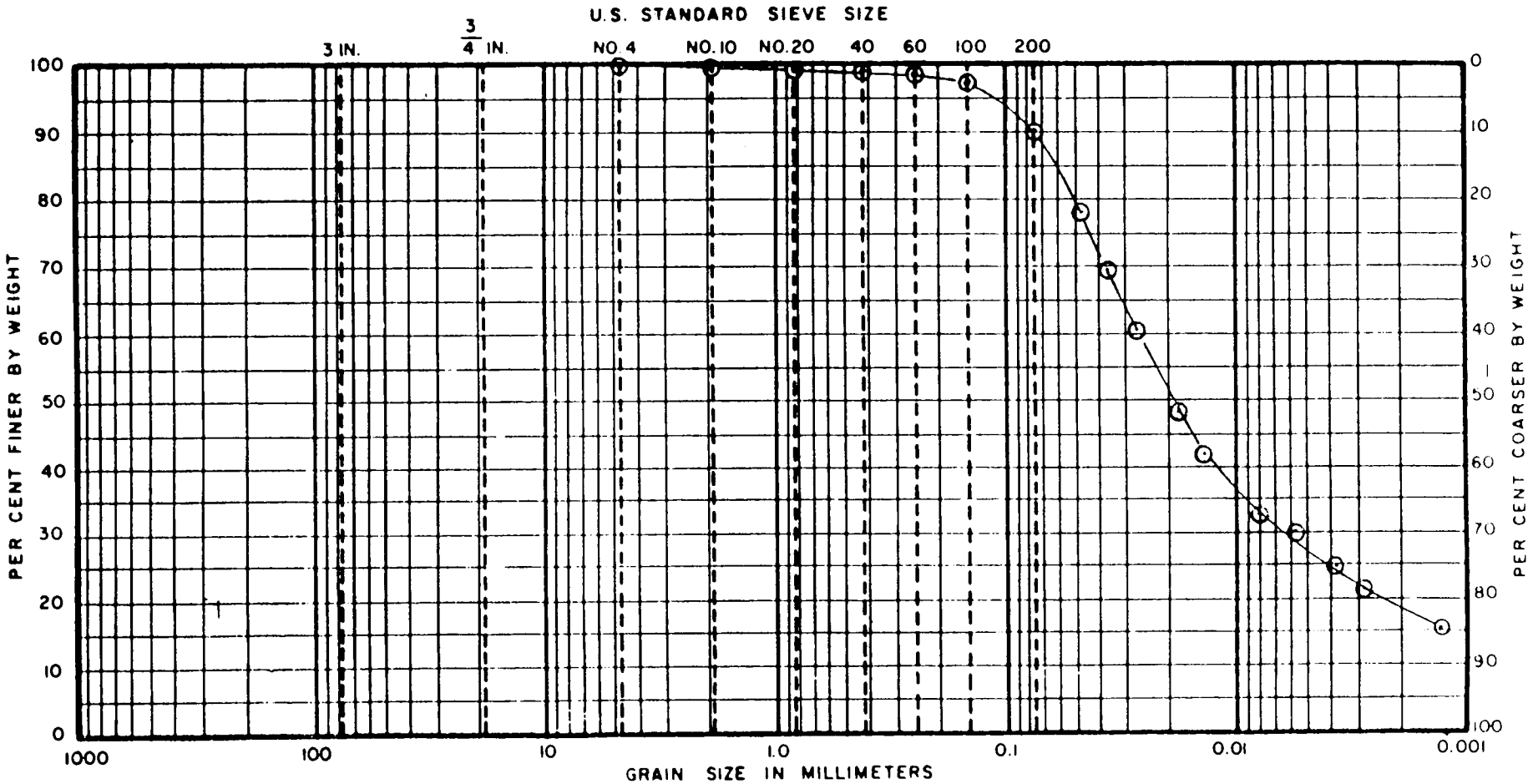
DATA REDUCTION

Percentage Finer	Diameter (mm)	Corrected % Finer
58.03	0.0406	
49.15	0.0298	
39.72	0.0196	
33.99	0.0141	
26.41	0.00838	
23.01	0.00596	
16.72	0.00396	
14.24	0.00294	
8.88	0.00130	

757.8

10805-454-044

BORING	DEPTH	ELEV.	SAMPLE	LIQUID LIMIT	PLASTIC LIMIT	SYMBOL	SOIL CLASSIFICATION	KEY
UCD 22	70		C			ML		



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

GRAIN-SIZE DISTRIBUTION

Dames & Moore

DAMES & MOORE

Job No. 10805-454-44 Client DOE Boring UCD22 Sample C Depth 70.0

Date Sampled _____ By _____ Date Tested 1-91 By WL Checked By _____

Soil Classification ML

Wash Sieve ✓ Dry Sieve _____

SIEVE TEST

Dish Number	Weight Of Sample Oven Dried Before Washing (gm)	Sieve Opening (mm)	Sieve No. U.S. Equivalent	Indivdual Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % Retained (%)	Cumulative % Passing (%)	Correction Factor	Corrected Cumulative % Passing (%)
FJR 9	141.8	76.10	3"						
		50.80	2"						
		38.10	1 1/2"						
		25.40	1"						
		19.00	3/4"						
		12.70	1/2"						
		9.51	3/8"		0		100		
		4.76	#4		0.19	0.13	99.87		
		2.00	#10		0.42	0.30	99.7		
		0.841	#20		0.70	0.49	99.5		
		0.420	#40		1.05	0.74	99.26		
		0.250	#60		1.88	1.33	98.67		
		0.149	#100		3.92	2.76	97.24		
		0.074	#200		13.98	9.86	90.14		

HYDROMETER TEST

Hydrometer No. ASTM #152H

G_s (~~Determined~~/Assumed) 2.75

Deflocculant 125 cc Of SODIUM HEXA-METAPHOSPHATE

Weight Of Dry Soil (Passing #10) 64.1 gms.

Cylinder No. TM-103

Date	Time	Elapsed Time (min.)	T °C	Reading (Top Of Meniscus)
1/22	1038	0		
		½	23	57.8
	39	1		52.0
	40	2		46.0
	43	5		38.1
	1048	~~15~~ 10		33.9
	1108	30		28.0
	1138	60	23.5	26.0
	1255	~~120~~ 137		22.6
	1451	~~250~~ 253	24	20.3
1/23	0911	1440	24	16.2

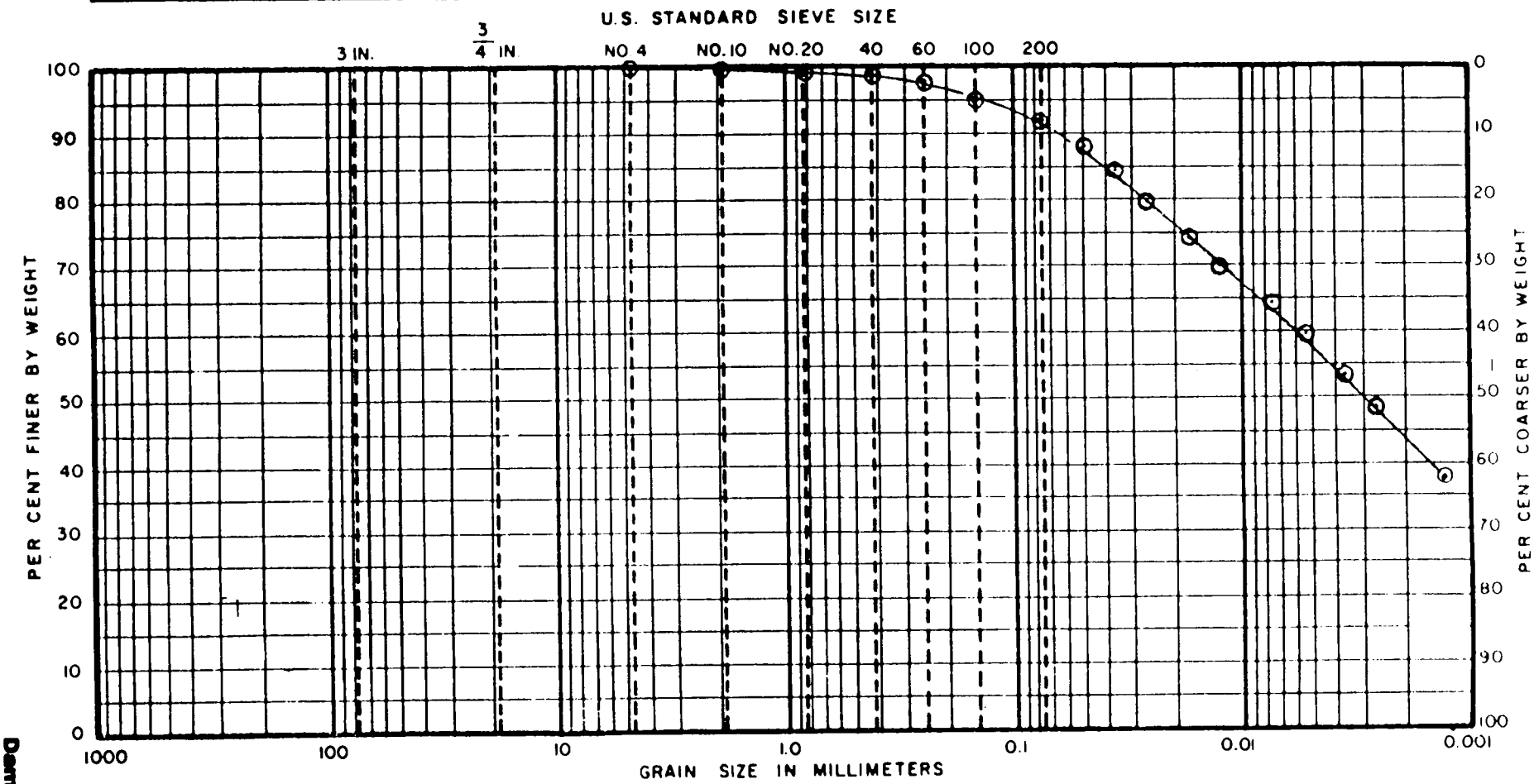
DATA REDUCTION

Percentage Finer	Diameter (mm)	Corrected % Finer
78.41	0.0473	
69.54	0.0357	
60.36	0.0268	
48.29	0.0181	
41.87	0.0133	
32.85	0.00799	
30.03	.00569	
24.83	0.00385	
21.56	.00286	
15.29	.00127	

757.8

10805 - 454 - 044

BORING	DEPTH	ELEV.	SAMPLE	LIQUID LIMIT	PLASTIC LIMIT	SYMBOL	SOIL CLASSIFICATION	KEY
UCO-23	75.0		B			CH		



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

GRAIN-SIZE DISTRIBUTION

Dames & Moore

DAMES & MOORE

Job No. 10805-454-44 Client DOE Boring ACD-23 Sample B Depth 75.0

Date Sampled _____ By _____ Date Tested 1-91 By WL Checked By _____

Soil Classification _____

Wash Sieve ✓ Dry Sieve _____

SIEVE TEST

Dish Number	Weight Of Sample Oven Dried Before Washing (gm)	Sieve Opening (mm)	Sieve No. U.S. Equivalent	Indivdual Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % Retained (%)	Cumulative % Passing (%)	Correction Factor	Corrected Cumulative % Passing (%)
5	185.5	76.10	3"						
		50.80	2"						
		38.10	1 1/2"						
		25.40	1"						
		19.00	3/4"						
		12.70	1/2"						
		9.51	3/8"						
		4.76	#4		0	0	100		
		2.00	#10		0.84	0.45	99.55		
		0.841	#20		1.23	0.66	99.34		
		0.420	#40		1.84	0.99	99.0		
		0.250	#60		3.99	2.15	97.8		
		0.149	#100		9.25	5.0	95.0		
		0.074	#200		14.67	7.9	92.1		

HYDROMETER TEST

Hydrometer No. ASTM #152H

G_s (~~Determined~~/Assumed) 2.75

Deflocculant 125 cc Of SODIUM HEXA-METAPHOSPATE

Weight Of Dry Soil (Passing #10) 52.5 gms.

Cylinder No. FC 504

Date	Time	Elapsed Time (min.)	T °C	Reading (Top Of Meniscus)
1/22	1044	0		
		½	23	54.0
	45	1		51.8
	46	2		49.3
	49	5		46.4
	1054	~~15~~ 10		44.0
	1114	30	~~23.5~~	41.0
	1144	60	23.5	38.3
	1256	~~120~~ 132		34.9
	1452	~~250~~ 248	24	32.3
1/23	0912	~~1440~~ 1428	24	26.5

DATA REDUCTION

Percentage Finer	Diameter (mm)	Corrected % Finer
88.64	.0494	
84.53	.0358	
79.86	.0259	
74.45	.0169	
69.97	.0122	
64.37	.00723	
59.62	.00520	
53.28	0.00360	
48.72	0.00266	
37.89	0.00119	

FILE 10805-454-044 61XX
SUBJECT Monitoring Well Sieve Analysis
DOE Phase II SHEET ___ OF ___

BORING MW 18 DEPTH INTERVAL [illegible]

TOTAL Dry Weight 571.3

Dry Weight Retained # 200 Sieve _____ , _____ %

Dry Weight Passing # 200 Sieve _____ , _____ %

Weight of Pan 335.0 g

Dry Weight Retained # 200 Sieve

_____

Sieve #	Dry Weight Retained	% Retained
4		
8		
16		
40 ~~30~~ 341.5	6.5 g	1.15
60 387.5	45.5 g	7.96
100 387.5	52.5 g	9.19
200 377.6	42.6 g	7.46

25.76

Pan 200 74.24

REVISIONS
BY ____ DATE ____ TO EO ____
BY ____ DATE ____ TO EO ____

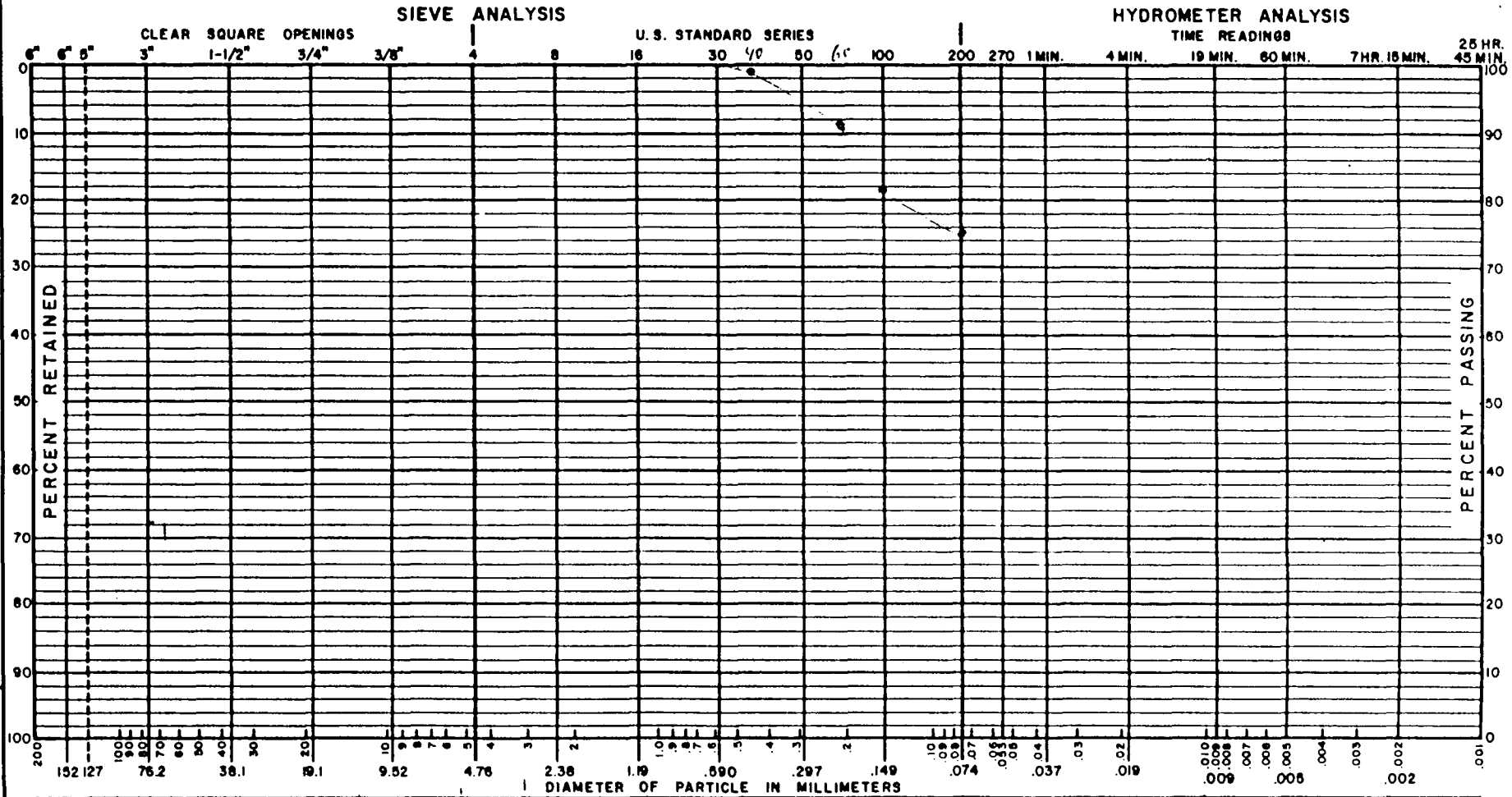
BY ____ DATE ____
CHECKED BY ____
COPY TO EO ____

Dames & Moore

945.4 (12-73) PRINTED IN U.S.A.

Project No.

BORING NO.	SAMPLE NO.	DEPTH, FT.	SYMBOL	LIQUID LIMIT	PLASTICITY INDEX	UNIFIED CLASSIFICATION
VID 18	6 5.0 C					



GRAIN SIZE DISTRIBUTION CURVES

VID 18

FILE 10805-454-044 61XX
SUBJECT Monitoring Well Sieve Analysis
DOE Phase II SHEET ___ OF ___

BORING MCD-19 DEPTH INTERVAL 70'

Total Dry Weight 318.5 (wing pan weight = 335.60 − 318.5)

Dry Weight Retained # 200 Sieve _____ , _____ %

Dry Weight Passing # 200 Sieve _____ , _____ %

316.0
318.5
258.3

Dry Weight Retained # 200 Sieve

_____

pass 200 after wet 318.5 − 258.3 = 60.2 g

Sieve #	Dry Weight Retained	% Retained
4	—	
10 (435.7 − 436.0)	0.3 g	0.09 %
20 (505.7 − 508.4)	2.7 g	0.85 %
40 (381.2 − 386.3)	5.1 g	1.60 %
60 (369.2 − 373.7)	4.5 g	1.41 %
100 (363.6 − 551.4)	187.8	58.87 %
200 (346.65 − 372.90)	26.25	8.24 %
pan	weight (dry) passing #200 sieve. 74.9 + 16.95 lost = 91.85 Total	% passing 200 sieve = 28.84 %

73
187.80
74.90
26.25
5.10
4.50
2.70
0.30
301.55
318.50
− 301.55
16.95

pass. 492.8 − dry 478.1 = 14.7

60.2
14.7
74.9

Prepared 9/27/90 by J F Brake

Dames & Moore

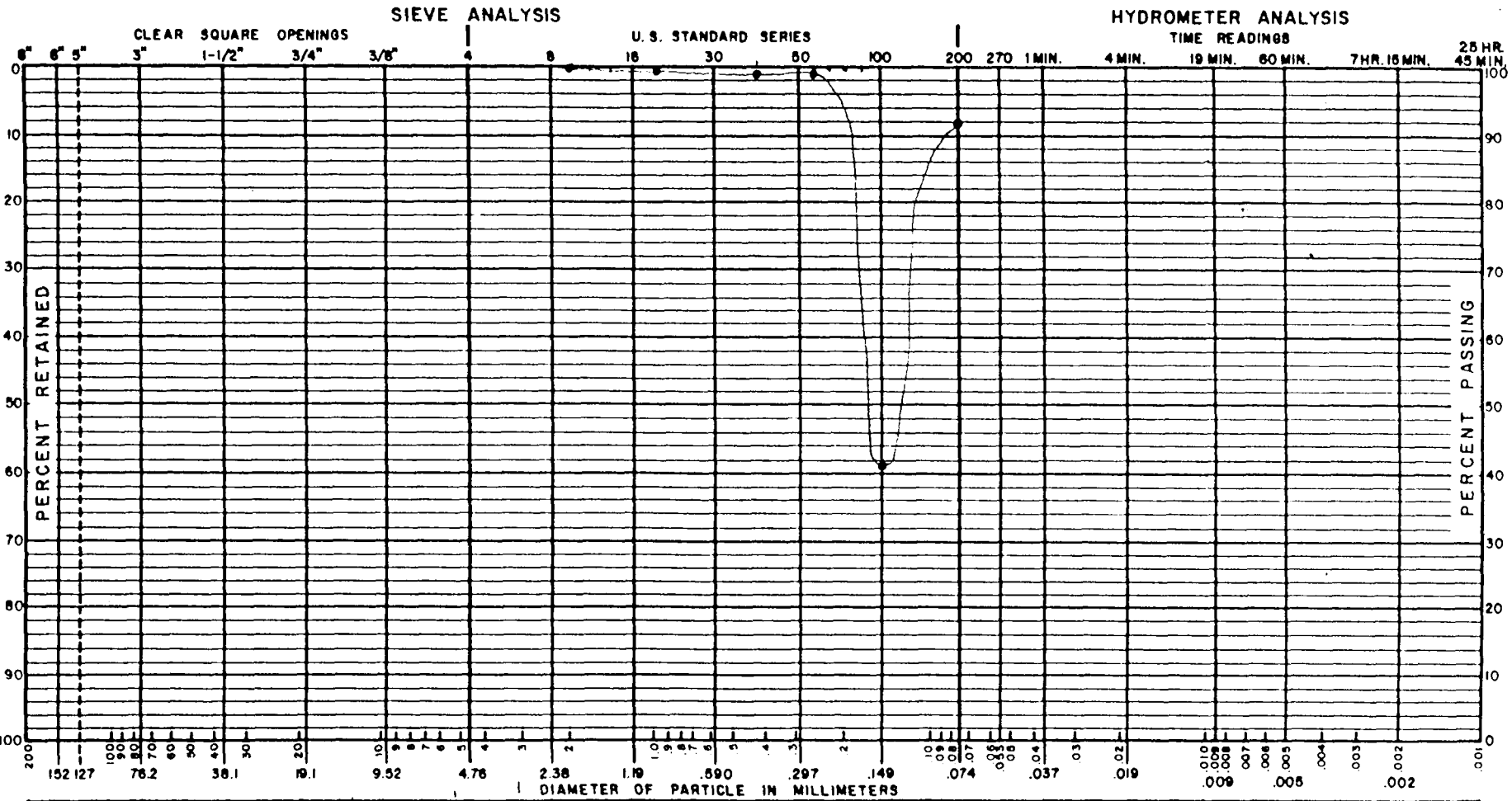
REVISIONS BY ____ DATE ____ TO EO ____ BY ____ DATE ____ TO EO ____

BY ____ DATE ____ CHECKED BY ____ COPY TO EO ____

945.4 (12-73) PRINTED IN U.S.A.

Project No. DOE/PHASE II 10805-454-044

BORING NO.	SAMPLE NO.	DEPTH, FT.	SYMBOL	LIQUID LIMIT	PLASTICITY INDEX	UNIFIED CLASSIFICATION
UCD-19	70 A	70'	ML to SM			



GRAIN SIZE DISTRIBUTION CURVES

UCD-19 70'

APPENDIX K

SLUG TEST DATA
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

APPENDIX K

SLUG TEST DATA
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

This appendix contains tabular and graphical presentations of slug tests that were performed on monitoring wells (UCD-10, UCD-11 and UCD-17 through UCD-24) as part of the Phase II Site Characterization. Additionally, slug test results from tests conducted during the contaminant pathway Migration Analysis (Dames & Moore, 1990) are also presented. Section 1 presents tabular data for wells tested during the Phase II Characterization and the Contaminant Pathway Analysis study. Tables are labeled in conjunction with the graphical presentations presented in Section 2. Section 2 presents plots of the slug test data for the Phase II Characterization and the Contaminant Pathway Study. The plots are labeled by well number and test. For example, UCD-10 FH is the plot for the UCD-10 well falling head test (FH), while UCD-10 RH is the plot for the rising head test (RH) conducted on UCD-10.

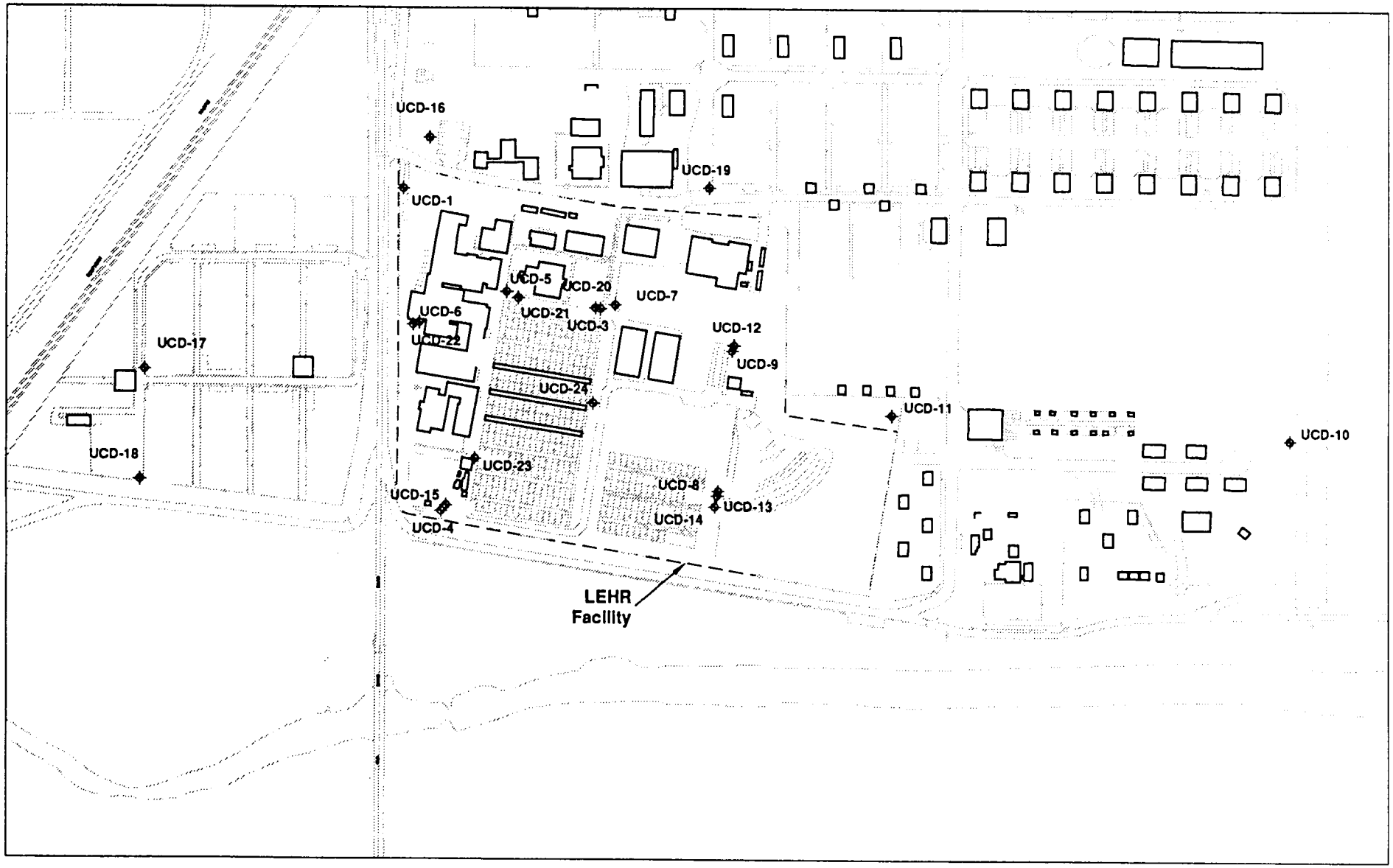
Plots are constructed using measured changes in water levels plotted against time. Based on the plotted curve, an estimate of hydraulic conductivity (K) has been made using partial penetration analysis method (Bouwer and Rice, 1976). Details of the methods used to construct these plots are presented in Appendix A. Tables K-1 and K-2 present the calculated hydraulic conductivity of the measured wells.

TABLE K-1
SLUG TEST RESULTS
PHASE II CHARACTERIZATION

Well	Depth (ft.)	Perforated Interval (ft.)	Depth to[1] Water (ft)	Aquifer Thickness (ft.)	Casing Radius (ft.)	Borehole Radius (ft.)	Hydraulic Conductivity	
							(ft/sec)	(cm/sec)
UCD-10	72.13	54-69	49.5	15	0.167	0.50	1.8×10^{-5}	5.5×10^{-4}
UCD-11	67.93	50-65	49.9	15	0.167	0.50	4.3×10^{-5}	1.3×10^{-3}
UCD-17	143	88-113	49.2	50	0.167	0.50	2.4×10^{-4}	7.3×10^{-3}
UCD-18	70	54-69	46.4	15	0.167	0.50	8.3×10^{-5}	2.5×10^{-3}
UCD-19	73.7	56.5-71.5	50.6	15	0.167	0.50	2.3×10^{-5}	7.0×10^{-4}
UCD-20	73	57-72	48.8	15	0.167	0.50	1.8×10^{-5}	5.5×10^{-4}
UCD-21	73	57-72	47.8	15	0.167	0.50	3.8×10^{-5}	1.2×10^{-3}
UCD-22	73	57-72	47.8	15	0.167	0.50	3.0×10^{-5}	9.1×10^{-3}
UCD-23	73	56.5-71.5	48.7	15	0.167	0.50	6.1×10^{-5}	1.9×10^{-5}
UCD-24	73	57-72	47.8	15	0.167	0.50	3.6×10^{-5}	1.1×10^{-3}

TABLE K-2
SLUG TEST RESULTS
CONTAMINANT PATHWAY ANALYSIS STUDY

WELL	HYDRAULIC CONDUCTIVITY				STORATIVITY
	FALLING HEAD	RISING HEAD	FALLING HEAD	RISING HEAD	
	ft/sec		cm/sec		
UCD-4	1.39E-05	2.10E-05	4.24E-04	6.40E-04	-
UCD-12	8.22E-06	7.08E-06	2.51E-04	2.16E-04	-
UCD-13	1.01E-05	1.24E-05	3.08E-04	2.78E-04	-
UCD-14	3.89E-04	3.30E-04	1.19E-02	1.01E-02	-
UCD-15	3.10E-04	3.45E-04	9.45E-03	1.05E-02	-
UCD-16	3.54E-04	2.69E-04	1.08E-020	8.20E-03	-
UCD-16	3.09E-04	2.66E-04	9.42E-03	8.11E-03	-
UCD-14CON	8.86E-04	5.80E-04	2.70E-02	1.77E-02	4.84E-04
UCD-15CON	4.52E-04	6.76E-04	1.38E-02	2.06E-02	3.52E-05
UCD-16CON	8.60E-04	4.92E-04	2.62E-02	1.50E-02	2.76E-05
UCD-16CON2	9.36E-04	5.32E-04	2.85E-02	1.62E-02	4.60E-05



EXPLANATION

Monitoring Wells

0 300

Scale in Feet

N

GROUNDWATER MONITORING WELL LOCATION MAP

Phase II Site Characterization
LEHR Environmental Restoration
FEBRUARY 1993

DAMES & MOORE

10805-454-044 DOE-167

FIGURE K-1

APPENDIX K
SECTION 1

OUTPUT DATA

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

OUTPUT DATA

PHASE II CHARACTERIZATION

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

DATA SET: UCD10FH

CLIENT:	DOE	DATE:	13-MAR-63
LOCATION:	LEHR	WELL NO.:	UCD-10
COUNTY:	Solano	WELL DEPTH:	72.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	49.450 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	54.000 ft	SCREEN BASE:	69.00 ft
INITIAL HEAD:	3.150 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000279 square ft/sec

CONDUCTIVITY: 1.86E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	2.94		
2	2.10	2.76		
3	3.20	2.07		
4	4.30	2.70		
5	5.40	2.04		
6	6.50	2.21		
7	7.60	2.21		
8	8.60	2.07		
9	9.70	2.14		
10	11.90	2.07		
11	13.00	2.07		
12	14.00	2.04		
13	16.20	1.97		
14	18.40	1.97		
15	20.50	1.90		
16	22.80	1.86		
17	26.00	1.83	1.73	5.50
18	29.30	1.76	1.70	3.46
19	32.50	1.73	1.67	3.16
20	36.90	1.69	1.63	3.38
21	41.20	1.59	1.60	-0.683
22	46.60	1.55	1.55	-0.129
23	52.00	1.52	1.51	0.435

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	56.40	1.45	1.48	-1.95
25	68.00	1.38	1.39	-0.918
26	73.00	1.31	1.36	-3.52
27	83.00	1.24	1.29	-3.78
28	93.00	1.17	1.22	-4.36
29	103.0	1.14	1.16	-2.17
30	118.0	1.03	1.08	-4.07
31	133.0	0.969	1.00	-3.22
32	148.0	0.900	0.926	-2.89
33	163.0	0.865	0.857	0.884
34	193.0	0.761	0.734	3.42
35	208.0	0.727	0.680	6.41
36	238.0	0.657		
37	268.0	0.588		
38	298.0	0.553		
39	343.0	0.484		
40	388.0	0.450		
41	433.0	0.415		
42	493.0	0.380		
43	553.0	0.311		
44	613.0	0.311		
45	673.0	0.276		
46	763.0	0.242		
47	853.0	0.207		
48	973.0	0.207		
49	1093.0	0.173		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD10RH

CLIENT:	DOE	DATE:	10-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-10
COUNTY:	Solano	WELL DEPTH:	72.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	49.450 ft
AQUIFER:	Unconfined	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	54.000 ft	SCREEN BASE:	69.00 ft
INITIAL HEAD:	3.565 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000276 square ft/sec

CONDUCTIVITY: 1.84E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	3.08		
2	2.20	2.73		
3	3.20	2.52		
4	4.30	2.38		
5	5.40	2.31		
6	6.50	2.28		
7	7.60	2.25		
8	8.70	2.21		
9	9.70	2.18		
10	10.80	2.14		
11	11.90	2.14		
12	13.00	2.11	1.99	5.32
13	15.10	2.07	1.97	4.78
14	16.20	2.04	1.96	3.68
15	18.40	2.00	1.94	3.13
16	20.60	1.97	1.92	2.49
17	23.80	1.93	1.89	2.31
18	26.00	1.90	1.87	1.66
19	29.20	1.86	1.84	1.42
20	33.50	1.80	1.80	-0.167
21	36.80	1.76	1.77	-0.473
22	41.10	1.69	1.73	-2.32
23	46.60	1.66	1.68	-1.63

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	52.00	1.59	1.64	-3.20
25	58.50	1.55	1.59	-2.06
26	66.30	1.48	1.52	-2.75
27	71.30	1.45	1.49	-2.55
28	81.30	1.35	1.41	-5.03
29	91.30	1.28	1.34	-5.27
30	101.3	1.21	1.28	-5.90
31	116.3	1.14	1.18	-4.14
32	136.3	1.03	1.07	-3.62
33	151.3	0.969	0.997	-2.94
34	166.3	0.934	0.925	0.951
35	181.3	0.900	0.857	4.67
36	196.3	0.830	0.795	4.13
37	226.3	0.727	0.684	5.87
38	256.2	0.692		
39	286.2	0.623		
40	316.2	0.588		
41	361.2	0.519		
42	406.2	0.450		
43	436.2	0.450		
44	496.2	0.380		
45	556.2	0.346		
46	616.2	0.311		
47	706.2	0.311		
48	796.2	0.277		
49	886.2	0.242		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD11FH

CLIENT:	DOE	DATE:	10-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-11
COUNTY:	Solano	WELL DEPTH:	68.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	49.920 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	50.000 ft	SCREEN BASE:	65.00 ft
INITIAL HEAD:	3.255 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000872 square ft/sec

CONDUCTIVITY: 5.81E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	1.97		
2	2.20	2.49		
3	3.30	1.62		
4	4.40	1.80		
5	5.40	1.87		
6	6.50	1.73		
7	7.60	1.66		
8	8.70	1.62		
9	9.80	1.59		
10	10.80	1.55	1.44	7.46
11	11.90	1.52	1.41	7.29
12	13.00	1.45	1.38	4.83
13	15.20	1.38	1.32	3.97
14	16.30	1.35	1.30	3.51
15	17.30	1.31	1.27	2.75
16	19.50	1.24	1.22	1.42
17	21.70	1.17	1.18	-0.225
18	23.80	1.14	1.13	0.605
19	26.00	1.07	1.09	-1.60
20	28.20	1.03	1.04	-0.873
21	31.40	0.935	0.988	-5.71
22	34.70	0.901	0.930	-3.26
23	37.90	0.831	0.877	-5.58

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	42.30	0.762	0.809	-6.22
25	46.60	0.693	0.748	-7.95
26	51.00	0.624	0.690	-10.60
27	56.50	0.589	0.624	-5.94
28	58.60	0.554	0.600	-8.38
29	65.80	0.520	0.526	-1.19
30	75.80	0.451	0.438	2.85
31	80.80	0.416	0.399	3.90
32	90.80	0.347	0.332	4.08
33	100.8	0.312	0.277	11.18
34	110.8	0.312		
35	120.8	0.277		
36	135.8	0.243		
37	150.8	0.208		
38	165.8	0.174		
39	180.8	0.174		
40	195.8	0.139		
41	210.8	0.139		
42	240.8	0.139		
43	255.8	0.104		
44	285.7	0.104		
45	315.7	0.0700		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD11RH

CLIENT:	DOE	DATE:	10-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-11
COUNTY:	Solano	WELL DEPTH:	68.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	49.920 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	50.000 ft	SCREEN BASE:	65.00 ft
INITIAL HEAD:	2.388 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000639 square ft/sec

CONDUCTIVITY: 4.26E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	2.28		
2	2.20	2.25		
3	3.20	2.18		
4	4.30	2.11		
5	5.40	2.04		
6	6.50	1.97		
7	7.60	1.93		
8	8.70	1.86		
9	9.70	1.83		
10	10.80	1.76		
11	11.90	1.73	1.58	8.36
12	14.10	1.62	1.53	5.88
13	15.10	1.59	1.50	5.34
14	17.30	1.52	1.45	4.48
15	19.50	1.45	1.40	3.41
16	21.60	1.38	1.35	1.88
17	23.80	1.31	1.31	0.316
18	25.90	1.28	1.26	0.978
19	29.20	1.17	1.20	-2.14
20	32.40	1.10	1.14	-3.17
21	35.70	1.03	1.08	-4.36
22	40.00	0.969	1.01	-4.35
23	44.40	0.900	0.942	-4.70

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	48.70	0.830	0.879	-5.98
25	54.10	0.761	0.806	-6.01
26	58.50	0.692	0.751	-8.64
27	65.20	0.623	0.675	-8.39
28	75.20	0.553	0.575	-4.04
29	85.20	0.484	0.490	-1.28
30	90.20	0.450	0.452	-0.547
31	100.2	0.415	0.385	7.11
32	115.2	0.346	0.303	12.38
33	120.2	0.346		
34	135.2	0.311		
35	150.2	0.276		
36	180.2	0.242		
37	195.2	0.207		
38	210.2	0.207		
39	240.2	0.173		
40	270.2	0.173		
41	300.2	0.138		
42	330.2	0.138		
43	360.2	0.138		
44	405.2	0.103		
45	435.2	0.103		
46	495.2	0.103		
47	555.2	0.0690		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD17FH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-17
COUNTY:	Solano	WELL DEPTH:	115.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	49.230 ft
AQUIFER:	Deep Hydrostratigraphic Un.	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	88.000 ft	SCREEN BASE:	113.00 ft
INITIAL HEAD:	1.524 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .0111 square ft/sec

CONDUCTIVITY: .000446 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	4.30	0.0700		
2	10.80	0.173	0.292	-69.26
3	11.90	0.277	0.176	36.39
4	13.00	0.208	0.106	49.03
5	14.10	0.0350	0.0637	-82.23

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD17RH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-17
COUNTY:	Solano	WELL DEPTH:	115.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	49.230 ft
AQUIFER:	Deep Hydrostratigraphic Un.	THICKNESS:	25.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	88.000 ft	SCREEN BASE:	113.00 ft
INITIAL HEAD:	0.346 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .0156 square ft/sec

CONDUCTIVITY: .000624 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	0.415	0.415	-6.463E-05
2	2.20	0.173	0.173	3.445E-05
3	7.60	0.138		
4	8.70	0.208		
5	9.80	0.138		
6	10.80	0.0350		
7	15.20	0.0690		
8	16.30	0.104		
9	17.40	0.104		
10	18.40	0.0690		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD18FH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-18
COUNTY:	Solano	WELL DEPTH:	70.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	46.350 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	54.000 ft	SCREEN BASE:	69.00 ft
INITIAL HEAD:	3.532 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .00206 square ft/sec

CONDUCTIVITY: .000137 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	3.04		
2	2.20	2.70		
3	3.30	1.38		
4	4.30	1.42		
5	5.40	1.48		
6	8.70	1.21	1.11	7.70
7	9.70	1.14	1.08	5.50
8	11.90	1.03	0.999	3.75
9	13.00	0.970	0.962	0.808
10	15.20	0.866	0.890	-2.86
11	17.30	0.797	0.827	-3.83
12	19.50	0.727	0.766	-5.38
13	21.70	0.693	0.709	-2.35
14	24.90	0.589	0.634	-7.65
15	28.10	0.554	0.566	-2.31
16	31.40	0.485	0.504	-4.11
17	36.80	0.416	0.417	-0.456
18	42.40	0.347	0.343	1.02
19	47.70	0.312	0.285	8.57
20	54.20	0.243		
21	65.30	0.208		
22	70.30	0.174		
23	80.30	0.174		

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	90.30	0.139		
25	105.3	0.139		
26	120.3	0.104		
27	135.3	0.104		
28	150.3	0.0700		
29	165.3	0.0700		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD18RH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-18
COUNTY:	Solano	WELL DEPTH:	70.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	46.350 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	54.000 ft	SCREEN BASE:	69.00 ft
INITIAL HEAD:	2.804 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .00124 square ft/sec

CONDUCTIVITY: 8.27E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	4.40	1.73		
2	5.50	1.62		
3	6.60	1.55		
4	7.60	1.48		
5	8.70	1.41		
6	9.80	1.35		
7	10.90	1.31		
8	12.00	1.24		
9	13.00	1.21		
10	14.10	1.17		
11	15.20	1.10		
12	16.30	1.07	0.993	7.43
13	17.40	1.03	0.969	6.71
14	18.40	1.00	0.947	5.58
15	20.60	0.935	0.902	3.46
16	21.70	0.900	0.880	2.13
17	23.80	0.831	0.840	-1.15
18	25.60	0.762	0.807	-5.98
19	28.20	0.762	0.762	-0.0268
20	29.30	0.727	0.743	-2.30
21	31.40	0.692	0.709	-2.57
22	34.70	0.623	0.659	-5.86
23	36.80	0.588	0.629	-7.05

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	40.10	0.554	0.584	-5.57
25	43.40	0.519	0.543	-4.71
26	46.70	0.485	0.505	-4.12
27	49.90	0.450	0.470	-4.51
28	54.20	0.415	0.427	-2.98
29	58.60	0.415	0.387	6.61
30	66.40	0.346	0.325	5.84
31	71.40	0.312	0.291	6.57
32	81.40	0.277		
33	86.40	0.277		
34	91.40	0.242		
35	101.4	0.242		
36	106.4	0.208		
37	116.4	0.173		
38	121.4	0.173		
39	136.3	0.173		
40	151.3	0.138		
41	196.3	0.104		
42	211.3	0.104		
43	226.3	0.104		
44	241.3	0.104		
45	271.3	0.0690		
46	391.3	0.138		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD19FH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-19
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	50.560 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	56.500 ft	SCREEN BASE:	71.50 ft
INITIAL HEAD:	2.770 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000327 square ft/sec

CONDUCTIVITY: 2.18E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	2.56		
2	2.10	1.93		
3	3.20	1.97		
4	4.30	1.93		
5	5.40	2.00		
6	6.50	1.93		
7	7.50	1.90		
8	8.60	1.90		
9	9.70	1.87		
10	11.90	1.83		
11	13.00	1.80		
12	14.00	1.80		
13	16.20	1.76		
14	17.30	1.76		
15	19.50	1.73		
16	21.60	1.69		
17	23.80	1.66		
18	27.00	1.62		
19	29.20	1.62	1.59	1.96
20	32.40	1.55	1.56	-0.135
21	36.90	1.52	1.51	0.698
22	41.20	1.45	1.46	-0.971
23	45.50	1.42	1.42	-0.363

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	49.90	1.38	1.38	0.179
25	53.10	1.35	1.35	-0.170
26	59.80	1.28	1.29	-0.792
27	69.80	1.21	1.20	0.577
28	74.80	1.17	1.16	1.09
29	84.80	1.07	1.08	-1.25
30	94.80	1.00	1.01	-0.989
31	104.8	0.935	0.946	-1.20
32	114.8	0.866	0.883	-1.97
33	129.8	0.796	0.796	-0.0292
34	144.8	0.727	0.717	1.25
35	159.8	0.658	0.647	1.63
36	174.8	0.589	0.583	0.924
37	204.8	0.485	0.474	2.19
38	219.8	0.416	0.427	-2.80
39	249.8	0.381		
40	279.7	0.277		
41	309.7	0.242		
42	339.7	0.208		
43	384.7	0.173		
44	429.7	0.139		
45	459.7	0.104		
46	519.7	0.104		
47	579.7	0.0690		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD19RH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-19
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	50.560 ft
AQUIFER:	Sahllow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	56.500 ft	SCREEN BASE:	71.50 ft
INITIAL HEAD:	3.739 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000346 square ft/sec

CONDUCTIVITY: 2.31E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.00	2.94		
2	2.10	2.52		
3	3.20	2.31		
4	4.30	2.21		
5	5.40	2.14		
6	6.50	2.07		
7	7.50	2.04		
8	8.60	2.00		
9	9.70	1.97		
10	10.80	1.93		
11	11.90	1.93		
12	12.90	1.93		
13	14.00	1.90		
14	16.20	1.86	1.82	2.29
15	18.30	1.83	1.79	1.92
16	20.50	1.80	1.77	1.53
17	22.70	1.76	1.74	1.10
18	24.80	1.73	1.72	0.626
19	28.10	1.69	1.68	0.877
20	31.30	1.66	1.64	1.07
21	34.70	1.59	1.60	-0.860
22	39.00	1.55	1.55	-0.0252
23	43.30	1.52	1.51	0.690

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	48.70	1.45	1.45	-0.187
25	52.00	1.41	1.42	-0.329
26	58.60	1.35	1.35	-0.726
27	68.60	1.28	1.26	0.979
28	73.60	1.21	1.22	-1.08
29	83.60	1.14	1.14	-0.0692
30	93.60	1.03	1.06	-2.69
31	103.6	0.969	0.994	-2.62
32	113.6	0.900	0.927	-3.06
33	128.6	0.831	0.835	-0.565
34	143.6	0.761	0.752	1.06
35	158.6	0.658	0.678	-3.08
36	188.6	0.554	0.550	0.616
37	203.6	0.485	0.496	-2.27
38	233.6	0.381	0.402	-5.67
39	263.6	0.346	0.326	5.54
40	293.6	0.277	0.265	4.23
41	323.6	0.208		
42	353.6	0.173		
43	398.6	0.138		
44	458.6	0.104		
45	488.6	0.0690		
46	548.5	0.0690		
47	638.5	0.0340		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD20FH

CLIENT:	DOE	DATE:	10-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-20
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	48.800 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	57.000 ft	SCREEN BASE:	72.00 ft
INITIAL HEAD:	3.289 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000350 square ft/sec

CONDUCTIVITY: 2.33E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	2.14		
2	2.20	2.18		
3	3.30	1.93		
4	4.40	2.25		
5	5.40	2.32		
6	6.50	2.14		
7	7.60	2.14		
8	8.70	2.18		
9	9.80	2.11		
10	10.90	2.07		
11	12.00	2.07		
12	13.10	2.04		
13	14.20	2.04		
14	16.30	1.97		
15	18.50	1.93		
16	20.70	1.90		
17	22.90	1.87	1.78	4.67
18	25.20	1.83	1.75	4.27
19	28.40	1.76	1.72	2.56
20	31.70	1.73	1.68	2.68
21	34.90	1.66	1.65	0.703
22	38.20	1.62	1.61	0.695
23	42.60	1.55	1.57	-0.811

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	48.00	1.52	1.51	0.389
25	52.30	1.45	1.47	-1.49
26	58.60	1.38	1.41	-2.32
27	68.60	1.28	1.32	-3.74
28	73.60	1.24	1.28	-3.28
29	83.60	1.17	1.20	-2.53
30	93.60	1.10	1.13	-2.13
31	103.6	1.00	1.06	-5.70
32	113.6	0.970	0.995	-2.59
33	128.6	0.900	0.903	-0.414
34	143.6	0.796	0.820	-3.10
35	158.6	0.762	0.745	2.19
36	173.6	0.693	0.676	2.34
37	188.6	0.658	0.614	6.59
38	218.6	0.554		
39	248.6	0.485		
40	263.6	0.450		
41	293.6	0.381		
42	338.6	0.346		
43	368.6	0.312		
44	428.6	0.242		
45	458.6	0.242		
46	518.5	0.208		
47	578.5	0.173		
48	638.5	0.139		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD20RH

CLIENT:	DOE	DATE:	10-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-20
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	48.800 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	57.000 ft	SCREEN BASE:	72.00 ft
INITIAL HEAD:	2.527 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000275 square ft/sec

CONDUCTIVITY: 1.83E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.00	2.49		
2	2.10	2.45		
3	3.20	2.42		
4	4.30	2.42		
5	5.30	2.38		
6	6.40	2.38		
7	7.50	2.31		
8	8.60	2.28		
9	9.70	2.25		
10	10.80	2.21		
11	11.90	2.21	2.10	5.08
12	13.00	2.18	2.08	4.28
13	15.10	2.14	2.05	4.03
14	16.20	2.11	2.04	3.13
15	18.40	2.04	2.01	1.27
16	20.60	2.04	1.98	2.67
17	23.80	1.97	1.94	1.33
18	26.00	1.93	1.91	0.966
19	29.20	1.86	1.87	-0.588
20	32.50	1.83	1.84	-0.345
21	36.80	1.76	1.78	-1.41
22	41.30	1.69	1.73	-2.51
23	45.60	1.66	1.69	-1.80

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	51.00	1.59	1.63	-2.57
25	57.50	1.52	1.56	-2.81
26	65.20	1.45	1.48	-2.46
27	70.20	1.38	1.44	-4.22
28	80.20	1.28	1.35	-5.55
29	90.20	1.21	1.26	-4.67
30	100.2	1.14	1.18	-4.05
31	115.2	1.07	1.07	-0.515
32	120.2	1.03	1.04	-0.602
33	135.2	0.934	0.947	-1.47
34	165.2	0.796	0.780	1.91
35	180.2	0.727	0.708	2.52
36	195.2	0.692	0.643	7.05
37	225.2	0.623		
38	255.2	0.519		
39	285.2	0.484		
40	315.2	0.450		
41	345.2	0.380		
42	390.2	0.346		
43	435.2	0.311		
44	495.2	0.242		
45	555.2	0.207		
46	615.2	0.207		
47	675.2	0.207		
48	765.2	0.173		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD21FH

CLIENT:	DOE	DATE:	10-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-21
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	47.810 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	57.000 ft	SCREEN BASE:	72.00 ft
INITIAL HEAD:	2.181 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000700 square ft/sec

CONDUCTIVITY: 4.67E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	1.80		
2	2.20	1.83		
3	3.30	1.83		
4	4.40	1.69		
5	5.40	1.73		
6	6.50	1.59		
7	7.60	1.62		
8	8.70	1.73		
9	9.80	1.59		
10	10.90	1.48		
11	11.90	1.52		
12	13.00	1.45	1.38	4.47
13	14.10	1.41	1.36	3.73
14	15.20	1.41	1.34	5.33
15	17.30	1.31	1.30	1.05
16	18.40	1.31	1.27	2.69
17	20.60	1.24	1.23	0.688
18	22.80	1.21	1.19	1.17
19	24.90	1.17	1.15	1.52
20	27.10	1.10	1.12	-1.26
21	30.30	1.03	1.06	-2.86
22	33.60	1.00	1.01	-1.14
23	36.90	0.934	0.965	-3.40

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	40.20	0.900	0.918	-2.05
25	44.50	0.830	0.860	-3.66
26	48.90	0.761	0.804	-5.74
27	52.10	0.727	0.766	-5.43
28	58.70	0.657	0.693	-5.52
29	63.70	0.623	0.642	-3.13
30	68.70	0.588	0.595	-1.27
31	78.70	0.519	0.511	1.44
32	83.70	0.484	0.474	2.05
33	93.70	0.415	0.407	1.88
34	103.7	0.380	0.349	7.96
35	113.7	0.311		
36	128.7	0.277		
37	143.7	0.242		
38	158.7	0.207		
39	173.7	0.173		
40	188.7	0.173		
41	203.7	0.138		
42	218.7	0.138		
43	248.7	0.103		
44	263.7	0.103		
45	293.7	0.0690		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD21RH

CLIENT:	DOE	DATE:	10-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-21
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	47.810 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	57.000 ft	SCREEN BASE:	72.00 ft
INITIAL HEAD:	2.492 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000571 square ft/sec

CONDUCTIVITY: 3.80E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	2.45		
2	2.20	2.31		
3	3.30	2.21		
4	4.40	2.11		
5	5.50	2.04		
6	6.50	1.97		
7	7.60	1.90	1.73	8.62
8	8.70	1.83	1.71	6.49
9	9.80	1.80	1.69	5.99
10	10.90	1.76	1.66	5.45
11	13.00	1.69	1.62	4.19
12	14.10	1.66	1.60	3.58
13	15.20	1.62	1.58	2.87
14	17.30	1.55	1.53	1.23
15	18.40	1.52	1.51	0.357
16	20.60	1.48	1.47	0.814
17	22.80	1.41	1.43	-1.15
18	26.00	1.35	1.37	-2.10
19	28.20	1.31	1.34	-1.94
20	31.40	1.24	1.28	-3.31
21	34.70	1.21	1.23	-1.86
22	37.90	1.14	1.18	-3.82
23	42.30	1.07	1.12	-4.51

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	46.70	1.00	1.06	-5.64
25	52.10	0.935	0.990	-5.94
26	57.50	0.865	0.925	-6.95
27	66.40	0.761	0.826	-8.62
28	71.40	0.727	0.775	-6.72
29	76.40	0.692	0.728	-5.25
30	86.40	0.623	0.641	-3.00
31	96.40	0.554	0.565	-2.06
32	106.4	0.484	0.498	-2.94
33	116.4	0.450	0.439	2.44
34	136.3	0.381	0.340	10.54
35	151.3	0.311	0.281	9.36
36	181.3	0.242		
37	196.3	0.208		
38	211.3	0.173		
39	241.3	0.173		
40	256.3	0.138		
41	286.3	0.104		
42	316.3	0.104		
43	361.3	0.0690		
44	391.3	0.0690		
45	436.3	0.0340		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD22FH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-22
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	47.780 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	57.000 ft	SCREEN BASE:	72.00 ft
INITIAL HEAD:	3.115 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000485 square ft/sec

CONDUCTIVITY: 3.23E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	2.99		
2	2.20	2.26		
3	3.30	1.79		
4	4.30	1.92		
5	5.40	1.85		
6	6.50	2.01		
7	7.60	2.01		
8	8.60	1.95		
9	9.70	1.92		
10	10.80	1.88		
11	11.90	1.85		
12	12.90	1.85		
13	14.00	1.82		
14	16.20	1.76		
15	18.30	1.73		
16	19.40	1.69		
17	21.60	1.66		
18	24.80	1.60		
19	27.00	1.57		
20	30.30	1.51	1.46	3.26
21	33.50	1.44	1.41	2.20
22	36.80	1.38	1.36	1.11
23	41.10	1.32	1.31	0.724

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	45.40	1.25	1.25	0.106
25	53.30	1.16	1.16	0.0934
26	63.30	1.03	1.05	-1.45
27	68.30	1.00	1.00	0.474
28	73.30	0.944	0.953	-1.03
29	83.30	0.850	0.863	-1.61
30	93.30	0.755	0.782	-3.60
31	103.3	0.692	0.708	-2.36
32	108.3	0.661	0.674	-1.98
33	123.3	0.566	0.580	-2.64
34	138.3	0.503	0.500	0.458
35	153.3	0.440	0.431	1.93
36	168.3	0.378	0.371	1.61
37	198.3	0.283	0.276	2.40
38	213.3	0.252		
39	228.3	0.252		
40	258.2	0.189		
41	288.2	0.157		
42	318.2	0.157		
43	348.2	0.126		
44	393.2	0.0940		
45	423.2	0.0940		
46	483.2	0.0630		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD22RH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-22
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	47.780 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	57.000 ft	SCREEN BASE:	72.00 ft
INITIAL HEAD:	3.912 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000477 square ft/sec

CONDUCTIVITY: 3.18E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	3.18		
2	2.10	2.87		
3	3.20	2.63		
4	4.30	2.52		
5	5.40	2.42		
6	6.50	2.35		
7	7.60	2.32		
8	8.70	2.28		
9	9.70	2.25		
10	10.80	2.21		
11	13.00	2.14		
12	14.10	2.14		
13	15.20	2.11		
14	17.30	2.04		
15	18.40	2.04		
16	20.60	1.97		
17	22.70	1.93		
18	24.90	1.90		
19	28.20	1.83		
20	31.40	1.76	1.72	2.40
21	34.60	1.69	1.67	1.41
22	37.90	1.66	1.62	2.38
23	42.30	1.55	1.55	0.0565

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	46.60	1.52	1.49	1.84
25	52.10	1.42	1.42	-0.0850
26	57.50	1.35	1.35	-0.0336
27	64.00	1.28	1.27	0.701
28	69.00	1.17	1.21	-3.15
29	79.00	1.07	1.10	-2.98
30	84.00	1.03	1.05	-1.60
31	94.00	0.935	0.961	-2.86
32	104.0	0.866	0.876	-1.17
33	114.0	0.797	0.798	-0.153
34	134.0	0.658	0.662	-0.681
35	149.0	0.554	0.576	-3.98
36	164.0	0.520	0.500	3.67
37	179.0	0.450	0.435	3.20
38	194.0	0.381	0.378	0.594
39	209.0	0.347		
40	239.0	0.277		
41	269.0	0.208		
42	284.0	0.208		
43	314.0	0.173		
44	359.0	0.104		
45	389.0	0.104		
46	434.0	0.0700		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD23FH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-23
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	48.710 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	56.500 ft	SCREEN BASE:	71.50 ft
INITIAL HEAD:	2.392 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000901 square ft/sec

CONDUCTIVITY: 6.01E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	2.17		
2	2.20	1.41		
3	3.30	1.82		
4	4.40	1.73		
5	5.40	1.57		
6	6.50	1.70		
7	7.60	1.60		
8	8.70	1.47		
9	9.80	1.51		
10	10.80	1.44		
11	11.90	1.38		
12	13.00	1.38		
13	14.10	1.32		
14	15.10	1.29		
15	17.30	1.22		
16	18.40	1.19	1.15	3.74
17	20.50	1.13	1.10	2.29
18	22.70	1.07	1.06	0.693
19	24.90	1.03	1.01	1.83
20	27.00	0.976	0.980	-0.486
21	29.20	0.944	0.941	0.280
22	32.40	0.881	0.886	-0.664
23	35.70	0.819	0.833	-1.82

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	38.90	0.756	0.785	-3.92
25	42.10	0.724	0.740	-2.23
26	46.40	0.661	0.683	-3.35
27	50.90	0.630	0.628	0.280
28	55.20	0.567	0.579	-2.26
29	64.10	0.504	0.491	2.53
30	69.10	0.441	0.447	-1.48
31	74.10	0.409	0.407	0.315
32	79.10	0.378	0.371	1.73
33	89.10	0.315	0.308	2.13
34	94.10	0.315		
35	104.1	0.284		
36	114.1	0.252		
37	119.1	0.221		
38	134.1	0.189		
39	149.1	0.158		
40	164.1	0.158		
41	179.1	0.126		
42	194.1	0.126		
43	224.1	0.0950		
44	239.1	0.0630		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD23RH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-23
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	48.710 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	56.500 ft	SCREEN BASE:	71.50 ft
INITIAL HEAD:	2.675 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000602 square ft/sec

CONDUCTIVITY: 4.01E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	2.17		
2	2.20	1.98		
3	3.30	1.88		
4	4.30	1.82		
5	5.40	1.79		
6	6.50	1.73		
7	7.60	1.66		
8	8.70	1.66		
9	9.70	1.60		
10	10.80	1.57		
11	11.90	1.54		
12	13.00	1.47		
13	14.10	1.47		
14	16.20	1.41		
15	17.30	1.38		
16	19.50	1.32		
17	21.60	1.29		
18	23.80	1.22		
19	25.90	1.19		
20	29.20	1.13		
21	32.40	1.07		
22	35.70	1.03		
23	40.00	0.975		

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	44.40	0.912		
25	48.80	0.849		
26	54.20	0.786		
27	60.60	0.723		
28	67.30	0.692		
29	72.30	0.629		
30	82.30	0.566		
31	92.30	0.535		
32	102.3	0.472		
33	112.3	0.409		
34	122.3	0.377		
35	137.3	0.346		
36	152.3	0.283		
37	167.3	0.283		
38	182.3	0.251		
39	212.3	0.189		
40	227.3	0.189		
41	257.2	0.157		
42	287.2	0.126		
43	317.2	0.0940		
44	347.2	0.0940		
45	377.2	0.0940		
46	407.2	0.0940		
47	467.2	0.0630		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD24FH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-24
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	47.780 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	57.000 ft	SCREEN BASE:	72.00 ft
INITIAL HEAD:	2.942 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000805 square ft/sec

CONDUCTIVITY: 5.37E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	1.93		
2	2.20	1.80		
3	3.20	2.07		
4	4.30	2.14		
5	5.40	1.80		
6	6.50	1.86		
7	7.60	1.83		
8	8.60	1.73		
9	9.70	1.73	1.60	7.21
10	10.80	1.66	1.57	5.01
11	11.90	1.62	1.54	4.74
12	14.00	1.55	1.49	3.79
13	15.10	1.52	1.47	3.38
14	16.20	1.48	1.44	2.86
15	18.40	1.41	1.39	1.71
16	20.60	1.35	1.34	0.313
17	22.70	1.31	1.30	1.08
18	24.90	1.24	1.25	-0.727
19	27.10	1.21	1.21	-0.00386
20	29.20	1.14	1.17	-2.49
21	32.60	1.07	1.10	-3.22
22	35.80	1.00	1.05	-4.74
23	40.20	0.934	0.979	-4.83

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	43.40	0.900	0.929	-3.28
25	47.70	0.796	0.866	-8.91
26	55.40	0.727	0.765	-5.24
27	60.40	0.657	0.705	-7.37
28	65.40	0.623	0.650	-4.41
29	70.40	0.588	0.599	-2.00
30	80.40	0.484	0.509	-5.36
31	85.40	0.450	0.470	-4.49
32	95.40	0.415	0.399	3.66
33	105.4	0.380	0.339	10.55
34	110.4	0.346	0.313	9.42
35	125.4	0.311		
36	140.3	0.242		
37	155.3	0.207		
38	170.3	0.173		
39	185.3	0.173		
40	200.3	0.138		
41	230.3	0.138		
42	245.3	0.103		
43	275.3	0.103		
44	305.3	0.103		
45	335.3	0.0690		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD24RH

CLIENT:	DOE	DATE:	11-DEC-91
LOCATION:	LEHR	WELL NO.:	UCD-24
COUNTY:	Solano	WELL DEPTH:	73.00 ft
PROJECT:	Phase II Site Characterization	WATER TABLE:	47.780 ft
AQUIFER:	Shallow Hydrostratigraphic Un.	THICKNESS:	15.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	57.000 ft	SCREEN BASE:	72.00 ft
INITIAL HEAD:	2.112 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: .000541 square ft/sec

CONDUCTIVITY: 3.60E-5 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.10	2.07		
2	2.10	2.04		
3	3.20	2.00		
4	4.30	1.97		
5	5.40	1.93	1.78	7.81
6	6.50	1.87	1.76	5.77
7	7.50	1.87	1.73	6.98
8	8.60	1.80	1.71	4.79
9	9.70	1.76	1.69	4.27
10	10.80	1.73	1.66	3.72
11	11.90	1.69	1.64	3.19
12	12.90	1.66	1.62	2.42
13	15.10	1.59	1.57	1.06
14	16.20	1.59	1.55	2.46
15	18.30	1.52	1.51	0.789
16	19.40	1.48	1.49	-0.104
17	21.60	1.42	1.44	-2.01
18	24.80	1.35	1.38	-2.86
19	27.00	1.31	1.35	-2.62
20	30.20	1.24	1.29	-3.90
21	33.50	1.17	1.24	-5.38
22	36.70	1.14	1.19	-4.19
23	41.20	1.07	1.12	-4.59

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	45.50	1.00	1.06	-5.81
25	50.90	0.935	0.990	-5.94
26	56.30	0.866	0.923	-6.64
27	62.80	0.797	0.848	-6.50
28	67.80	0.762	0.795	-4.40
29	77.80	0.658	0.698	-6.19
30	82.80	0.624	0.654	-4.94
31	92.80	0.554	0.575	-3.82
32	102.8	0.520	0.505	2.84
33	117.8	0.416	0.415	0.0293
34	132.8	0.381	0.342	10.14
35	147.8	0.312	0.281	9.67
36	162.8	0.277		
37	177.8	0.243		
38	192.8	0.208		
39	222.8	0.139		
40	237.8	0.139		
41	267.7	0.104		
42	297.7	0.0700		
43	327.7	0.0700		
44	357.7	0.0700		
45	402.7	0.0350		
46	432.7	0.0350		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

OUTPUT DATA

CONTAMINANT PATHWAY ANALYSIS STUDY

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

DATA SET: UCD04 FH

CLIENT:	UNIVERSITY OF CALIFORNIA	DATE:	06-JUN-90
LOCATION:	DAVIS, CA	WELL NO.:	UCD 04
COUNTY:	SOLANO	WELL DEPTH:	57.50 ft
PROJECT:	00234-218-044	WATER TABLE:	52.420 ft
AQUIFER:	UPPER	THICKNESS:	6.00 ft
INTAKE RADIUS:	0.333 ft	CASING RADIUS:	0.083 ft
SCREEN TOP:	47.000 ft	SCREEN BASE:	57.00 ft
INITIAL HEAD:	0.727 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.00008square ft/sec

CONDUCTIVITY: 0.00001 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.30	0.508		
2	2.60	0.427		
3	3.80	0.392		
4	5.10	0.369		
5	6.40	0.335		
6	7.70	0.323		
7	9.00	0.312		
8	10.20	0.300		
9	11.50	0.289		
10	12.80	0.277		
11	14.10	0.265		
12	16.60	0.254		
13	17.90	0.242		
14	20.50	0.231		
15	21.80	0.219	0.206	5.53
16	25.60	0.208	0.198	4.43
17	29.40	0.196	0.191	2.54
18	33.30	0.185	0.183	0.899
19	35.80	0.173	0.178	-3.22
20	40.90	0.162	0.169	-4.48
21	47.30	0.150	0.158	-5.50
22	56.20	0.138	0.144	-4.44
23	64.10	0.127	0.132	-4.44

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	78.80	0.115	0.113	1.16
25	93.80	0.104	0.0970	6.64
26	98.80	0.0920	0.0921	-0.133
27	128.8	0.0810		
28	143.8	0.0690		
29	163.8	0.0580		
30	203.8	0.0460		
31	243.8	0.0450		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD04 RH

CLIENT:	UNIVERSITY OF CALIFORNIA	DATE:	06-JUN-90
LOCATION:	DAVIS, CA	WELL NO.:	UCD 04
COUNTY:	SOLANO	WELL DEPTH:	57.50 ft
PROJECT:	00234-218-044	WATER TABLE:	52.420 ft
AQUIFER:	UPPER	THICKNESS:	6.00 ft
INTAKE RADIUS:	0.333 ft	CASING RADIUS:	0.083 ft
SCREEN TOP:	47.000 ft	SCREEN BASE:	57.00 ft
INITIAL HEAD:	0.958 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.00013square ft/sec

CONDUCTIVITY: 0.00002 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.20	0.704		
2	2.50	0.658		
3	3.80	0.600		
4	5.10	0.531		
5	6.40	0.439		
6	7.60	0.427		
7	8.90	0.404		
8	10.20	0.370		
9	11.50	0.370		
10	12.80	0.289		
11	14.10	0.312		
12	15.30	0.300		
13	16.60	0.277		
14	17.90	0.300		
15	19.20	0.266		
16	20.50	0.254		
17	23.00	0.231		
18	24.30	0.208	0.228	-9.65
19	28.20	0.243	0.213	12.00
20	29.40	0.197	0.209	-6.41
21	33.30	0.185	0.196	-6.23
22	37.10	0.173	0.184	-6.68
23	42.40	0.208	0.169	18.70

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	44.90	0.150	0.165	-10.32
25	48.80	0.173	0.162	6.22
26	50.00	0.150	0.155	-3.60
27	56.40	0.139	0.152	-9.42
28	69.30	0.104	0.149	-43.38
29	103.5	0.150	0.145	2.70
30	158.5	0.104	0.134	-28.98
31	213.5	0.0930	0.125	-35.23

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD12 FH

CLIENT:	UNIVERSITY OF CALIFORNIA	DATE:	06-JUN-90
LOCATION:	DAVIS, CA	WELL NO.:	UCD 12
COUNTY:	SOLANO	WELL DEPTH:	67.65 ft
PROJECT:	00234-218-044	WATER TABLE:	53.170 ft
AQUIFER:	UPPER	THICKNESS:	27.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	52.000 ft	SCREEN BASE:	67.00 ft
INITIAL HEAD:	3.011 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.00022square ft/sec

CONDUCTIVITY: 0.00001 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA
1	1.00	2.80
2	3.00	2.45
3	5.00	2.25
4	7.10	2.14
5	9.10	2.04
6	11.10	1.93
7	13.10	1.83
8	15.20	1.76
9	17.20	1.69
10	19.20	1.66
11	21.20	1.59
12	23.30	1.55
13	24.30	1.52
14	26.30	1.48
15	28.30	1.45
16	29.30	1.41
17	32.40	1.38
18	35.40	1.35
19	39.50	1.31
20	42.70	1.28
21	46.70	1.24
22	52.80	1.21
23	61.50	1.17

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	66.50	1.17		
25	71.50	1.14		
26	76.50	1.14		
27	81.50	1.14		
28	86.50	1.10		
29	96.50	1.10		
30	106.5	1.07	1.05	1.39
31	116.5	1.07	1.04	2.26
32	121.5	1.03	1.04	-0.591
33	131.5	1.03	1.03	0.289
34	146.5	1.00	1.02	-1.83
35	166.5	1.00	1.00	-0.0592
36	186.5	0.969	0.986	-1.76
37	201.5	0.969	0.973	-0.427
38	226.5	0.934	0.951	-1.92
39	246.5	0.934	0.935	-0.144
40	266.5	0.934	0.919	1.60
41	286.5	0.900	0.902	-0.332
42	306.5	0.900	0.887	1.41
43	336.5	0.900		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD12 RH

CLIENT:	UNIVERSITY OF CALIFORNIA	DATE:	06-JUN-90
LOCATION:	DAVIS, CA	WELL NO.:	UCD 12
COUNTY:	SOLANO	WELL DEPTH:	67.65 ft
PROJECT:	00234-218-044	WATER TABLE:	53.170 ft
AQUIFER:	UPPER	THICKNESS:	27.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	52.000 ft	SCREEN BASE:	67.00 ft
INITIAL HEAD:	4.085 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.00019square ft/sec

CONDUCTIVITY: 0.00001 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA
1	1.00	3.60
2	3.00	3.46
3	6.10	3.35
4	9.10	3.25
5	12.20	3.11
6	15.20	3.01
7	18.20	2.90
8	21.30	2.80
9	24.30	2.70
10	27.40	2.59
11	30.40	2.52
12	33.50	2.42
13	36.50	2.35
14	39.70	2.28
15	42.80	2.18
16	45.80	2.11
17	48.90	2.04
18	51.90	1.97
19	54.00	1.93
20	56.00	1.86
21	62.50	1.73
22	67.50	1.62
23	72.50	1.55

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	77.50	1.48		
25	82.50	1.45		
26	87.50	1.41		
27	92.50	1.38		
28	97.50	1.35		
29	102.5	1.31		
30	107.5	1.28		
31	117.5	1.24		
32	122.5	1.21		
33	132.5	1.17		
34	147.5	1.14		
35	157.5	1.10	1.07	2.58
36	172.5	1.07	1.05	1.55
37	187.5	1.03	1.03	0.443
38	207.5	1.00	1.00	0.0443
39	227.5	0.969	0.974	-0.575
40	247.5	0.934	0.946	-1.33
41	277.5	0.900	0.905	-0.638
42	307.5	0.865	0.866	-0.208
43	327.5	0.831	0.841	-1.29
44	357.5	0.796	0.805	-1.20
45	387.5	0.761	0.770	-1.30
46	417.5	0.727	0.737	-1.48
47	457.5	0.692	0.695	-0.549
48	497.5	0.658	0.656	0.273
49	557.5	0.623	0.600	3.53
50	617.5	0.588		
51	707.5	0.554		
52	797.5	0.519		
53	887.5	0.484		
54	977.5	0.450		
55	1045.5	0.415		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

DATA SET: UCD13 FH

CLIENT:	UNIVERSITY OF CALIFORNIA	DATE:	06-JUN-90
LOCATION:	DAVIS, CA	WELL NO.:	UCD 13
COUNTY:	SOLANO	WELL DEPTH:	67.30 ft
PROJECT:	00234-218-044	WATER TABLE:	53.530 ft
AQUIFER:	UPPER	THICKNESS:	27.00 ft
INTAKE RADIUS:	0.500 ft	CASING RADIUS:	0.167 ft
SCREEN TOP:	52.000 ft	SCREEN BASE:	67.00 ft
INITIAL HEAD:	2.389 ft	TRANS. RATIO:	1.0000

MODEL PARAMETERS:

TRANSMISSIVITY: 0.00027square ft/sec

CONDUCTIVITY: 0.00001 ft/sec

MODEL TYPE: UNCONFINED PARTIALLY PENETRATED AQUIFER (Bouwer & Rice)

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.00	2.32		
2	3.10	2.07		
3	5.10	1.80		
4	7.10	1.62		
5	9.20	1.52		
6	11.20	1.42		
7	13.20	1.35		
8	14.30	1.31		
9	16.30	1.28		
10	18.30	1.24		
11	19.30	1.21		
12	21.40	1.17		
13	24.50	1.14		
14	28.60	1.10		
15	32.70	1.07		
16	36.70	1.03		
17	39.70	1.00		
18	45.80	0.970		
19	51.90	0.935		
20	63.60	0.901		
21	68.60	0.866		
22	83.60	0.831	0.817	1.64
23	98.60	0.797	0.792	0.506

No.	TIME (secs)	Head, H (ft) DATA	SYNTHETIC	DIFFERENCE (percent)
24	133.6	0.727	0.761	-4.76
25	188.6	0.658	0.738	-12.30
26	218.6	0.624	0.702	-12.59
27	278.6	0.554	0.661	-19.38
28	378.6	0.485	0.622	-28.36
29	528.5	0.416	0.586	-40.87
30	768.5	0.381	0.551	-44.78
31	918.5	0.381	0.519	-36.29
32	978.5	0.381		
33	1038.5	0.381		
34	1098.5	0.381		
35	1158.5	0.381		

CURRENT RESOLUTION MATRIIX NOT AVAILABLE

APPENDIX K
SECTION 2

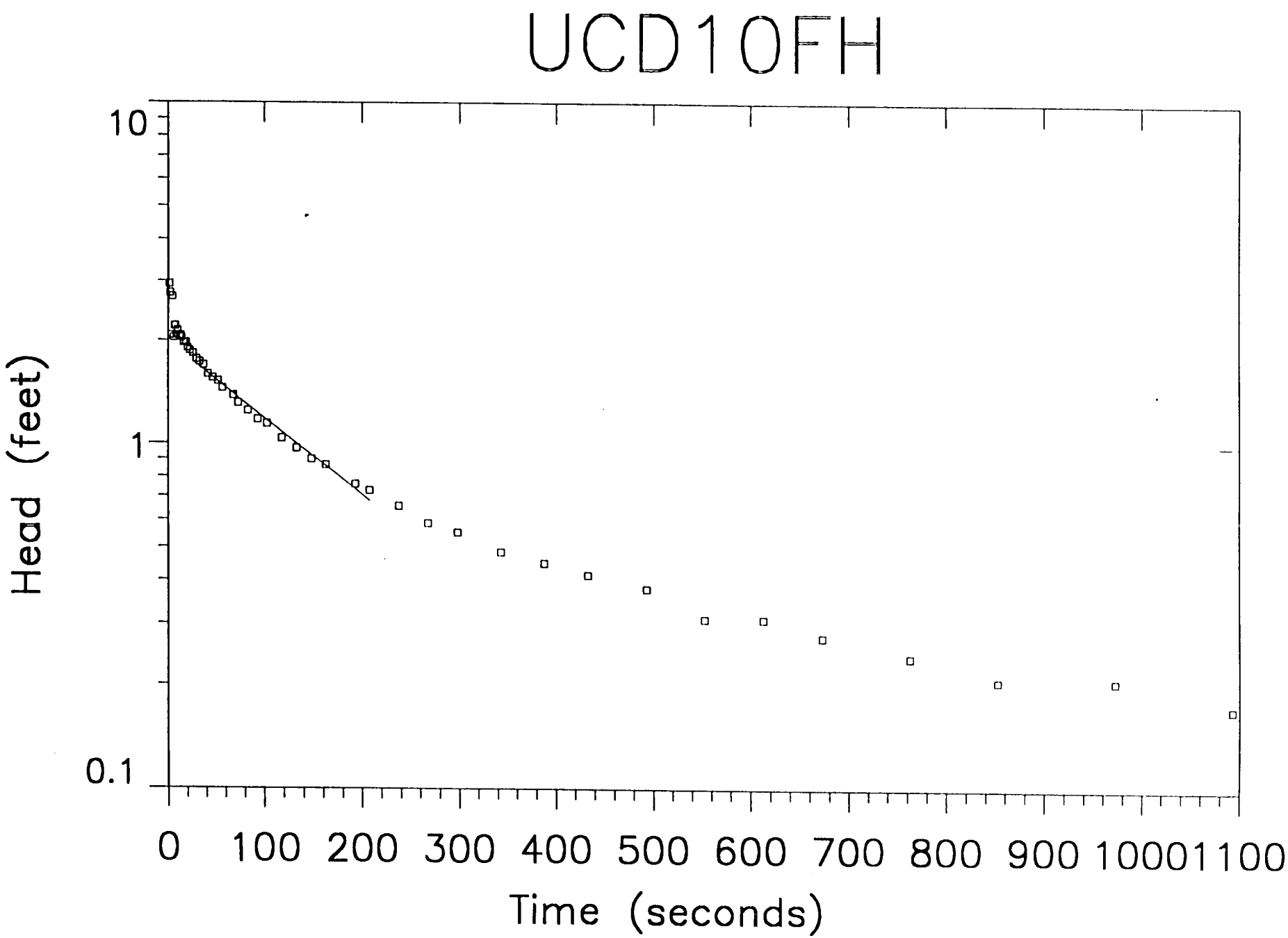
SLUG TEST DATA PLOTS

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

SLUG TEST DATA PLOTS

PHASE II CHARACTERIZATION

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION


UCD10FH
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1
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Head (feet)
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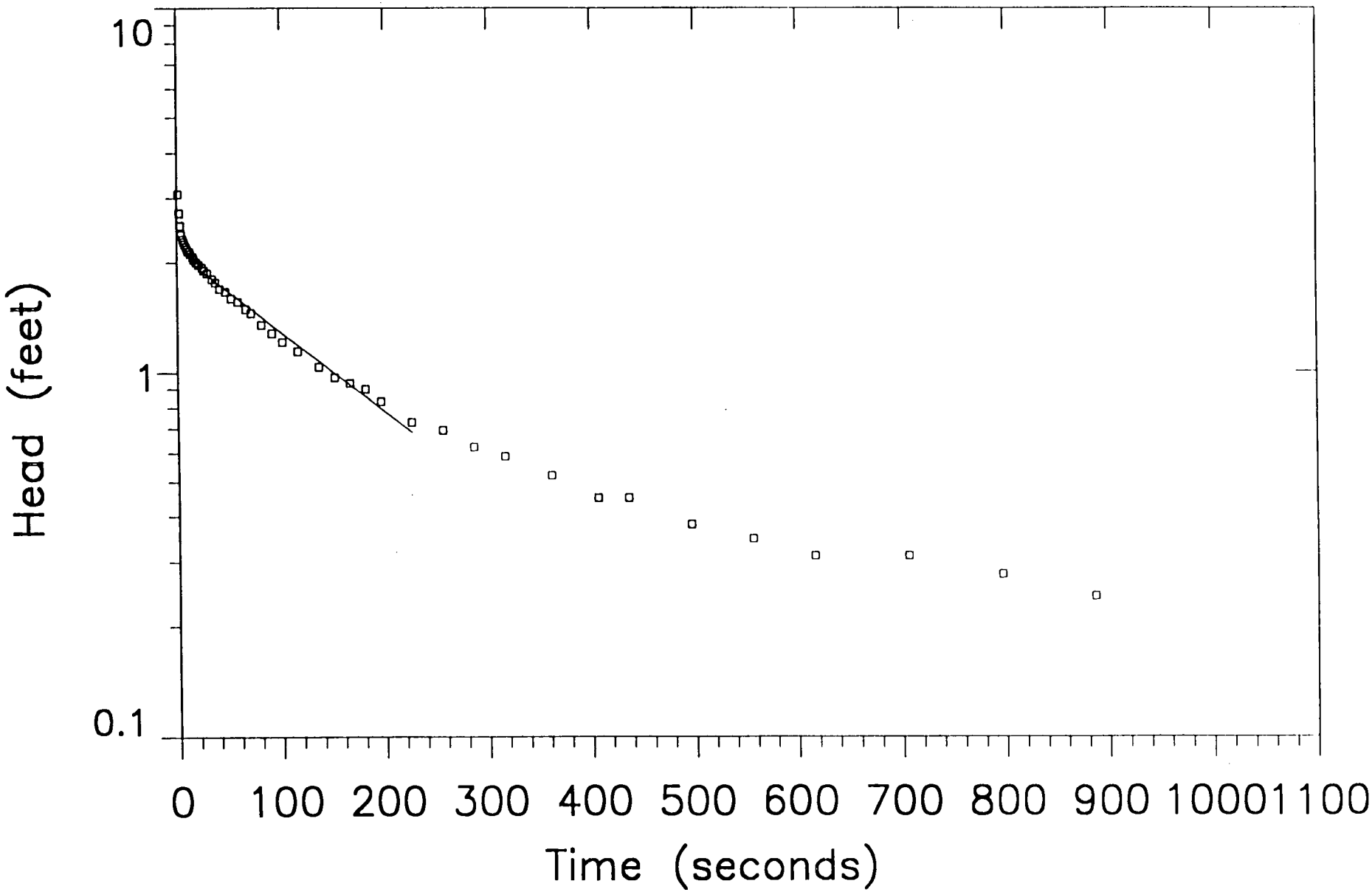
100
200
300
400
500
600
700
800
900
1000
1100
Time (seconds)

UCD10RH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0.1
Head (feet)
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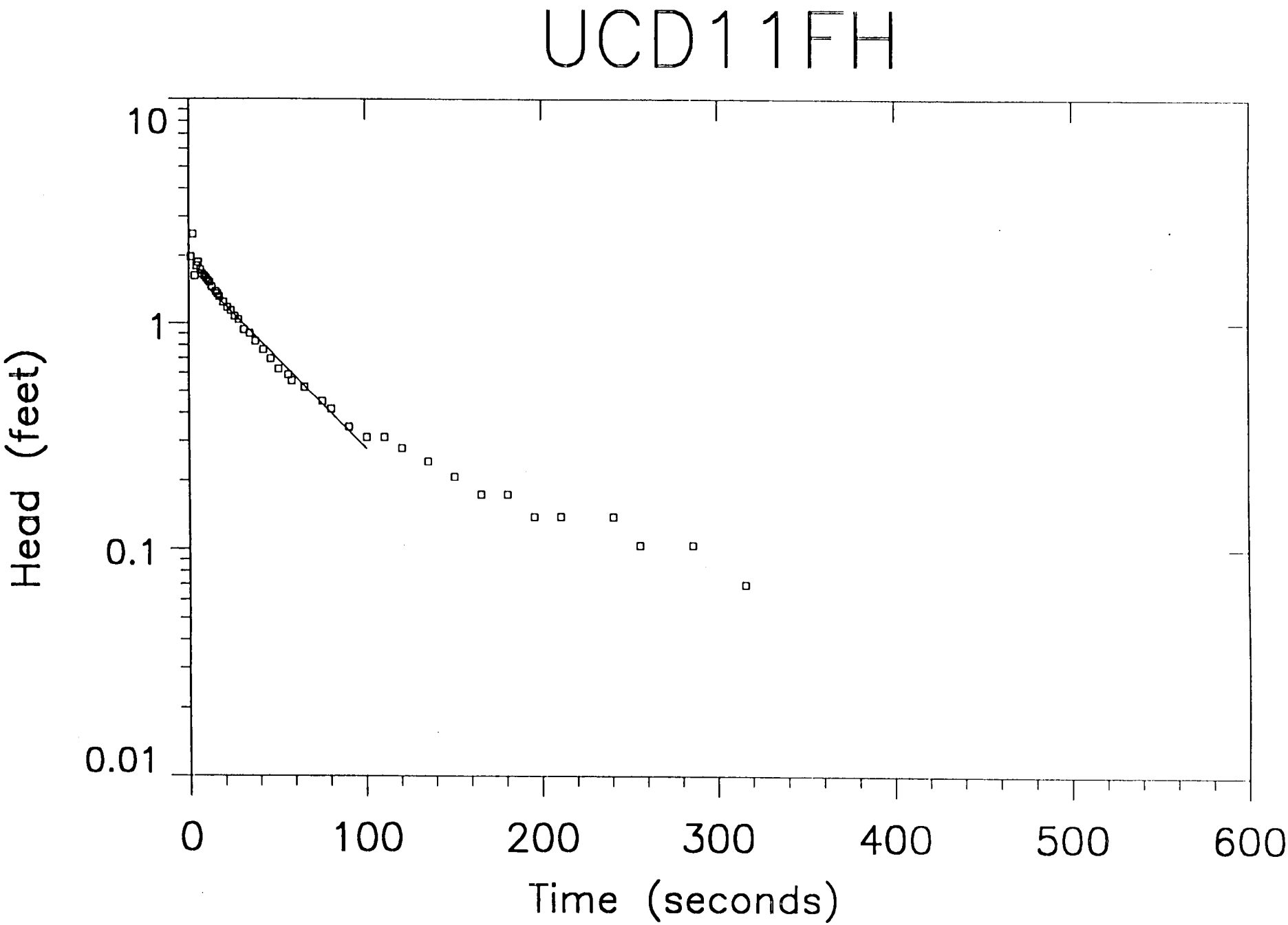
100
200
300
400
500
600
700
800
900
1000
1100
Time (seconds)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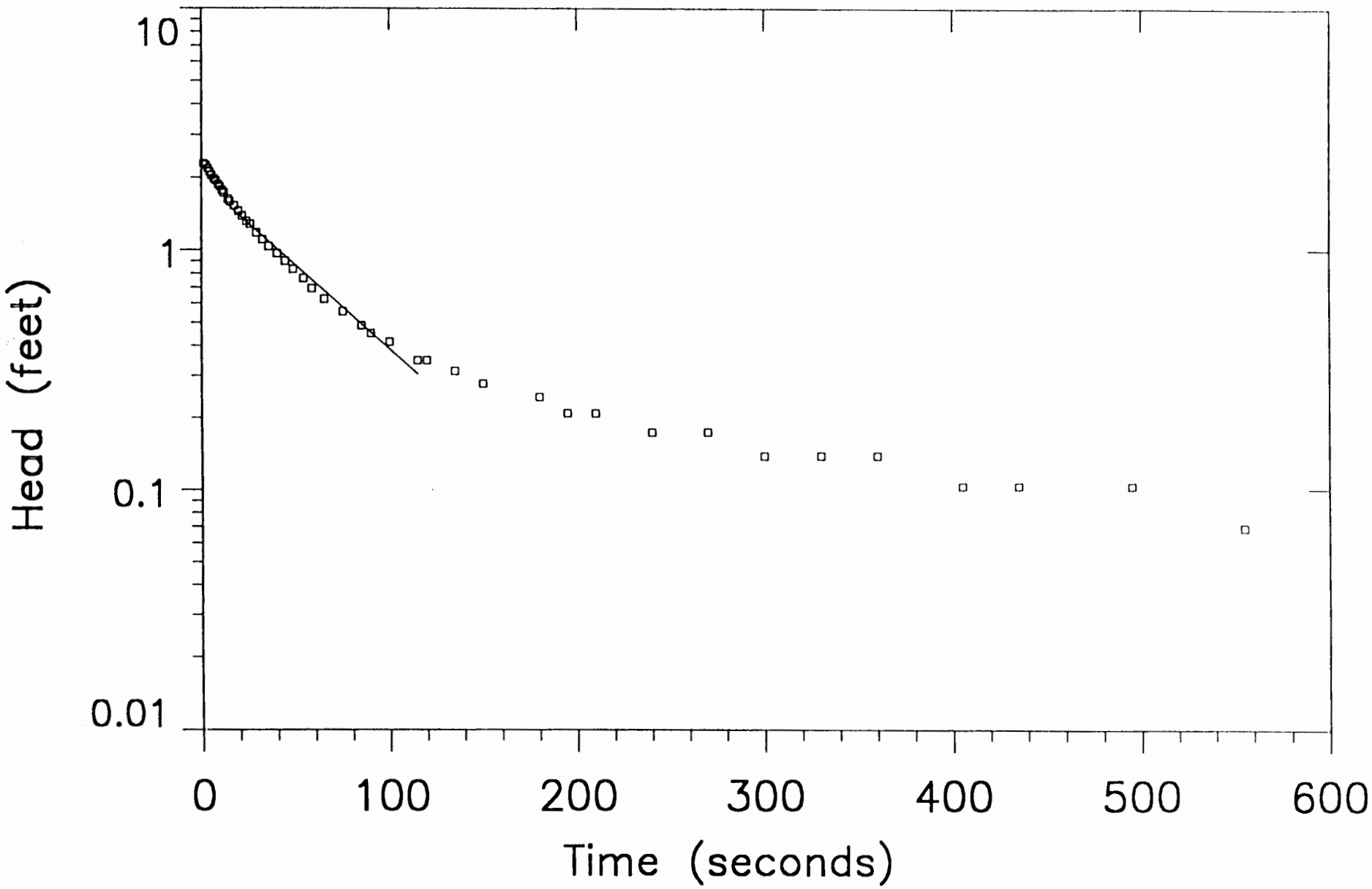
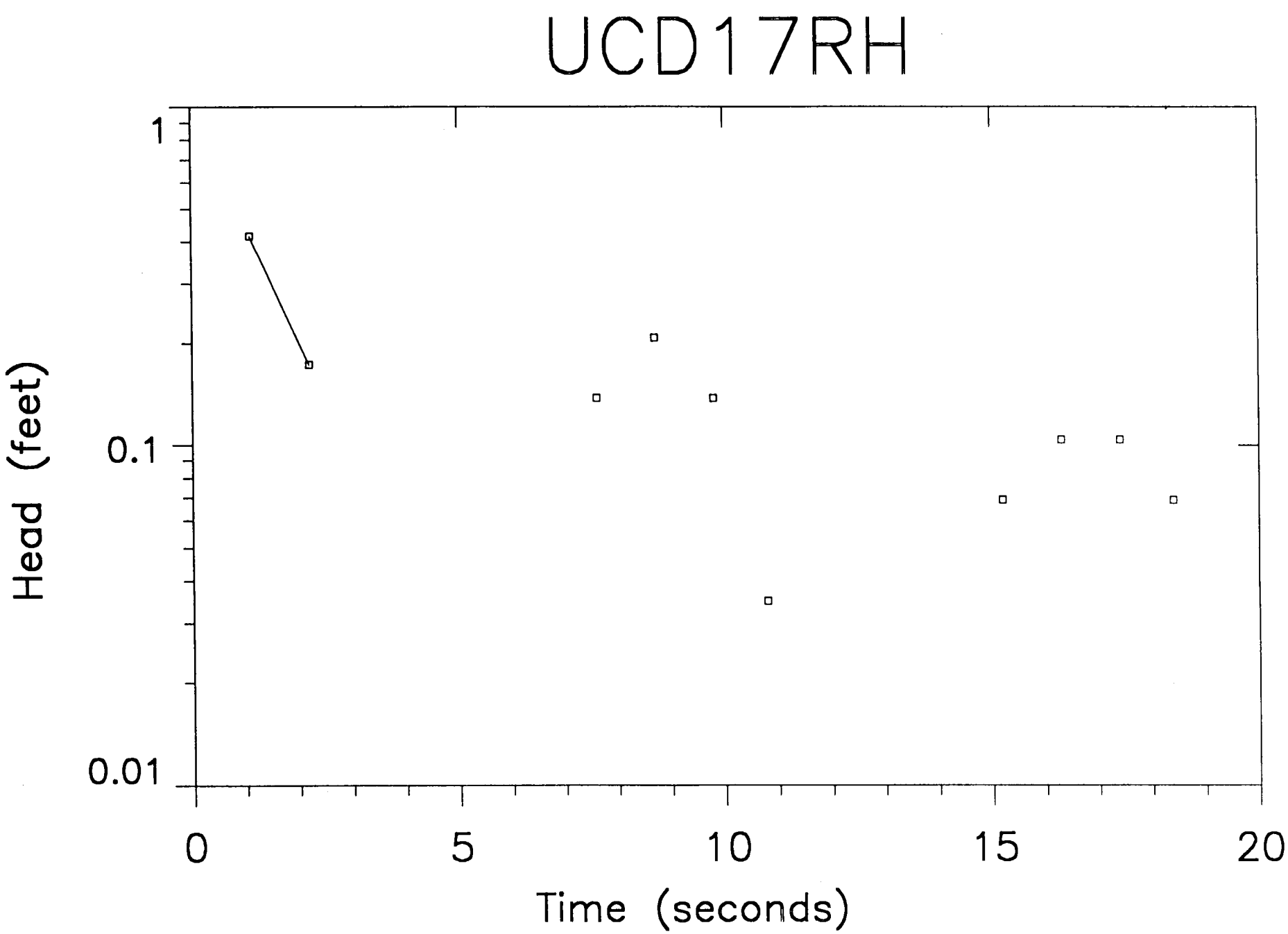
1
0.1
0.01
Head (feet)
0
100
200
300
400
500
600
Time (seconds)

UCD11RH

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0.01
Head (feet)
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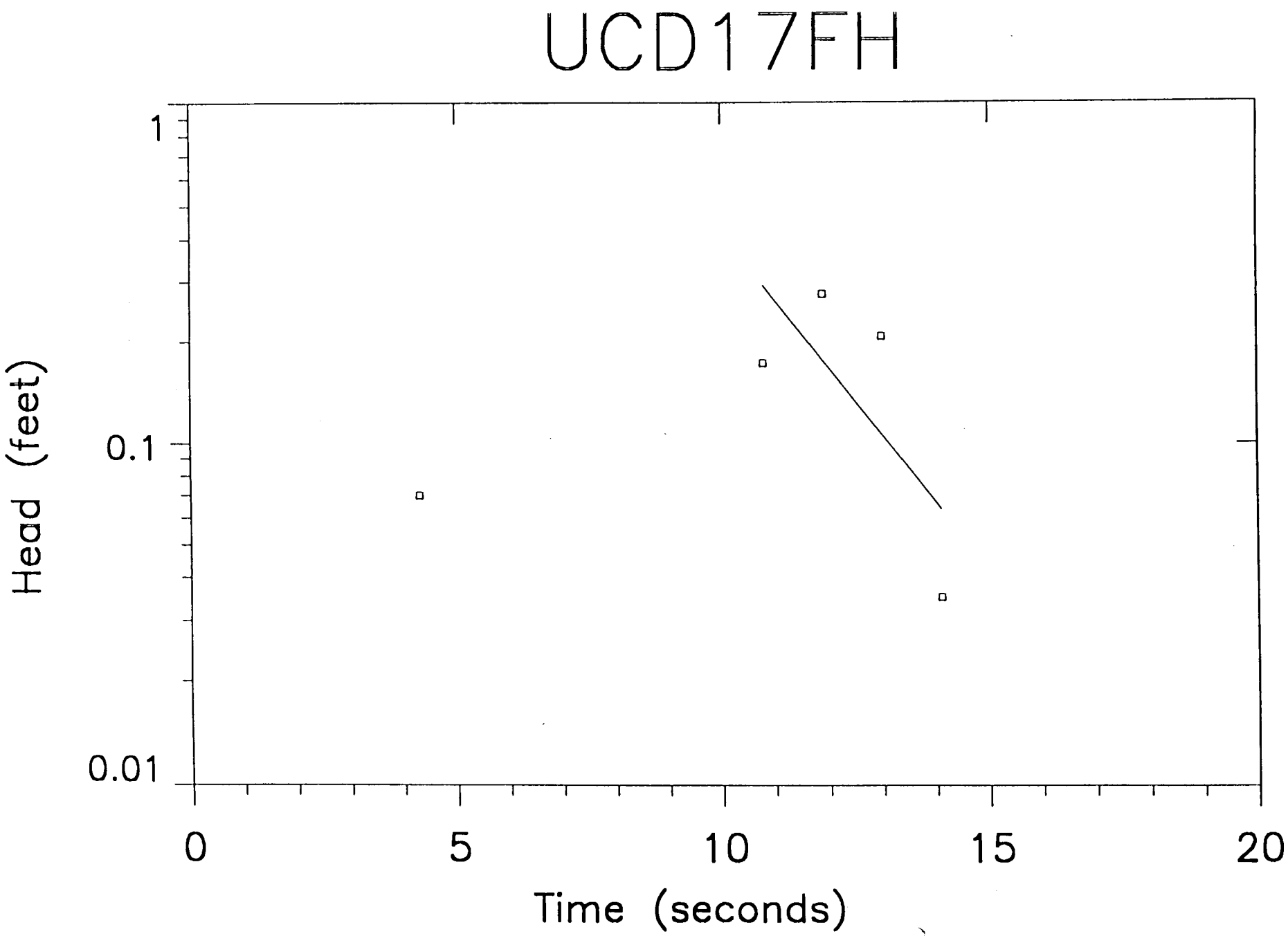
5
10
15
20
Time (seconds)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0.01
Head (feet)
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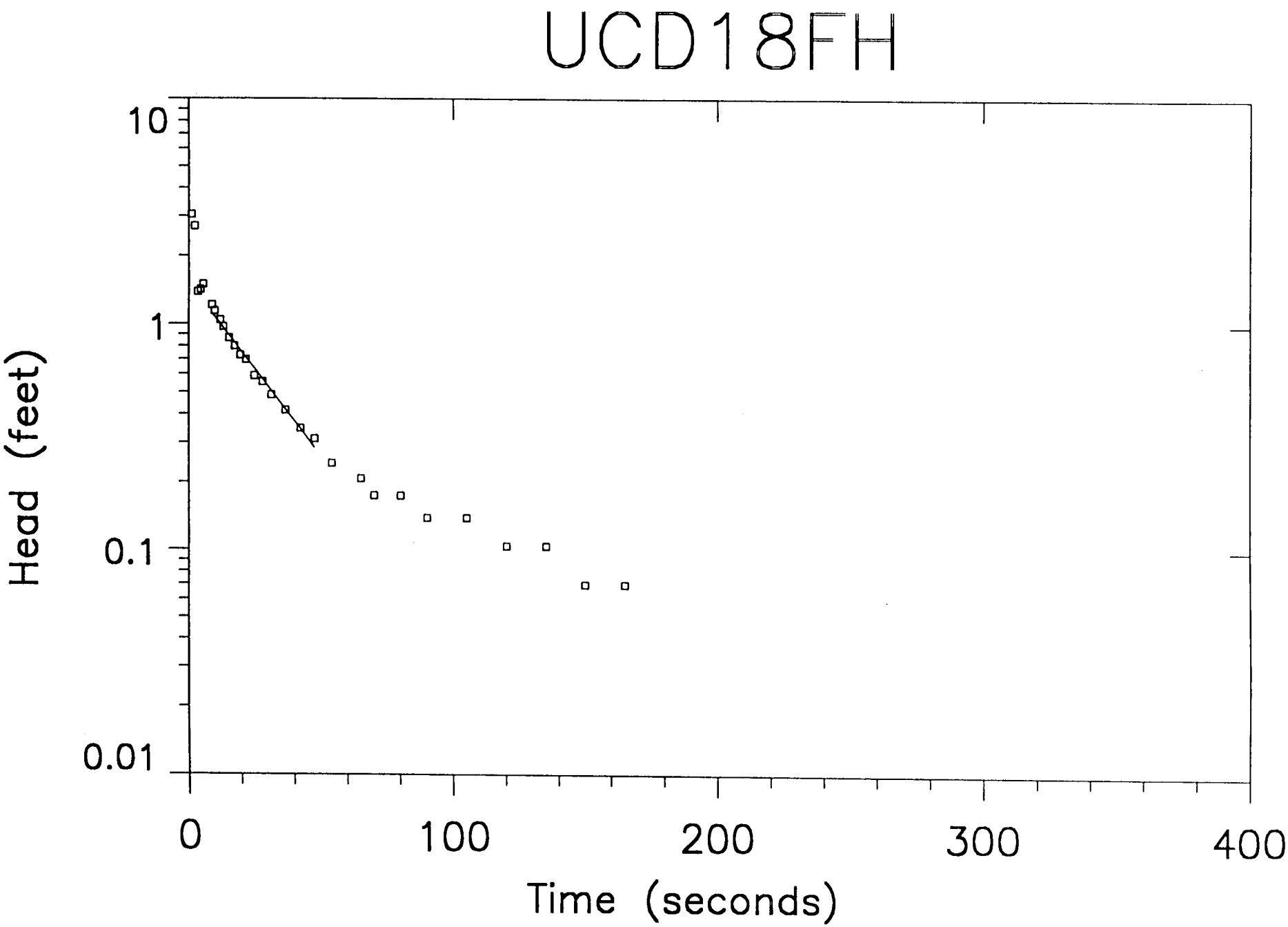
5
10
15
20
Time (seconds)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0.1
0.01
Head (feet)
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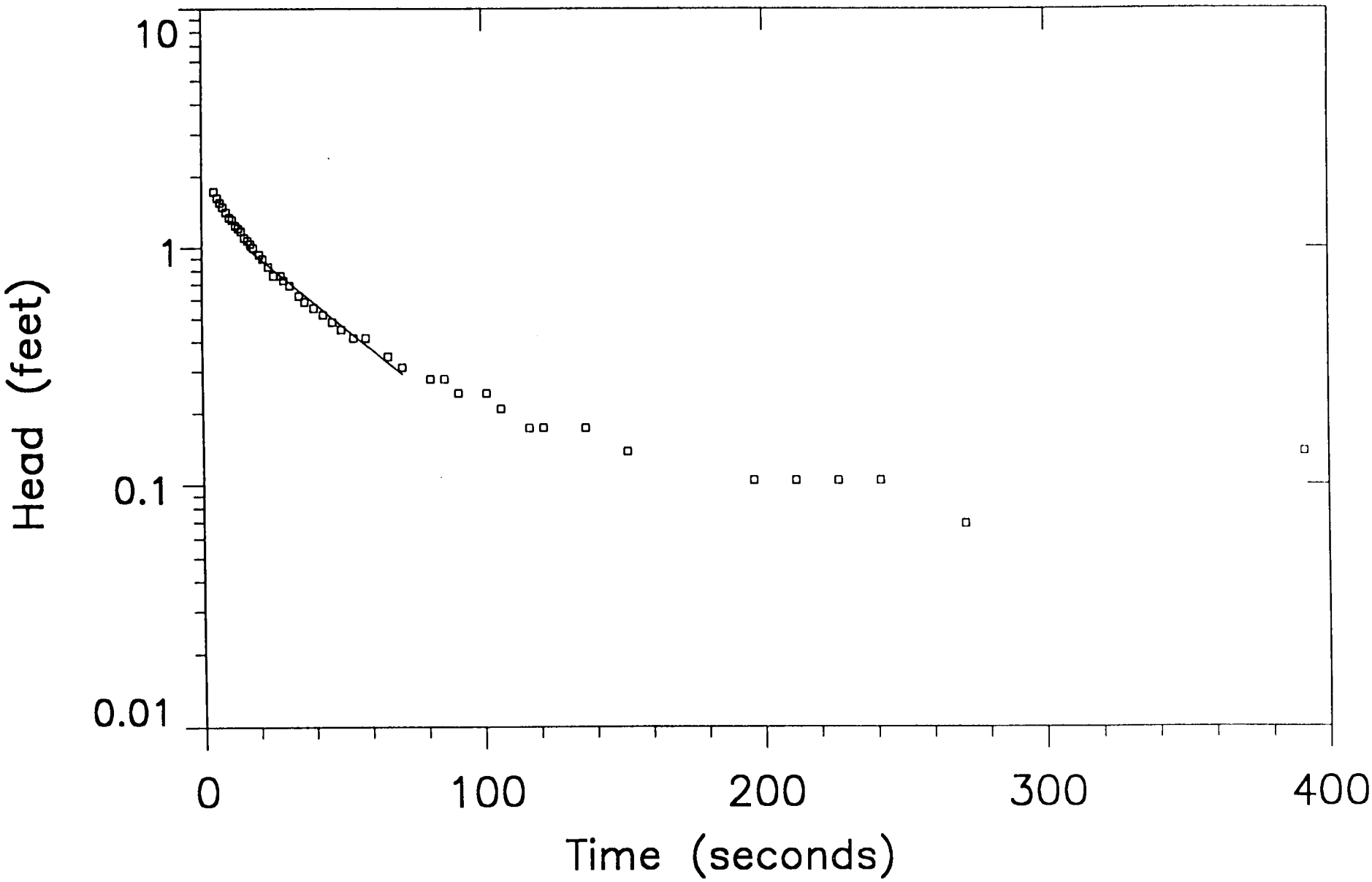
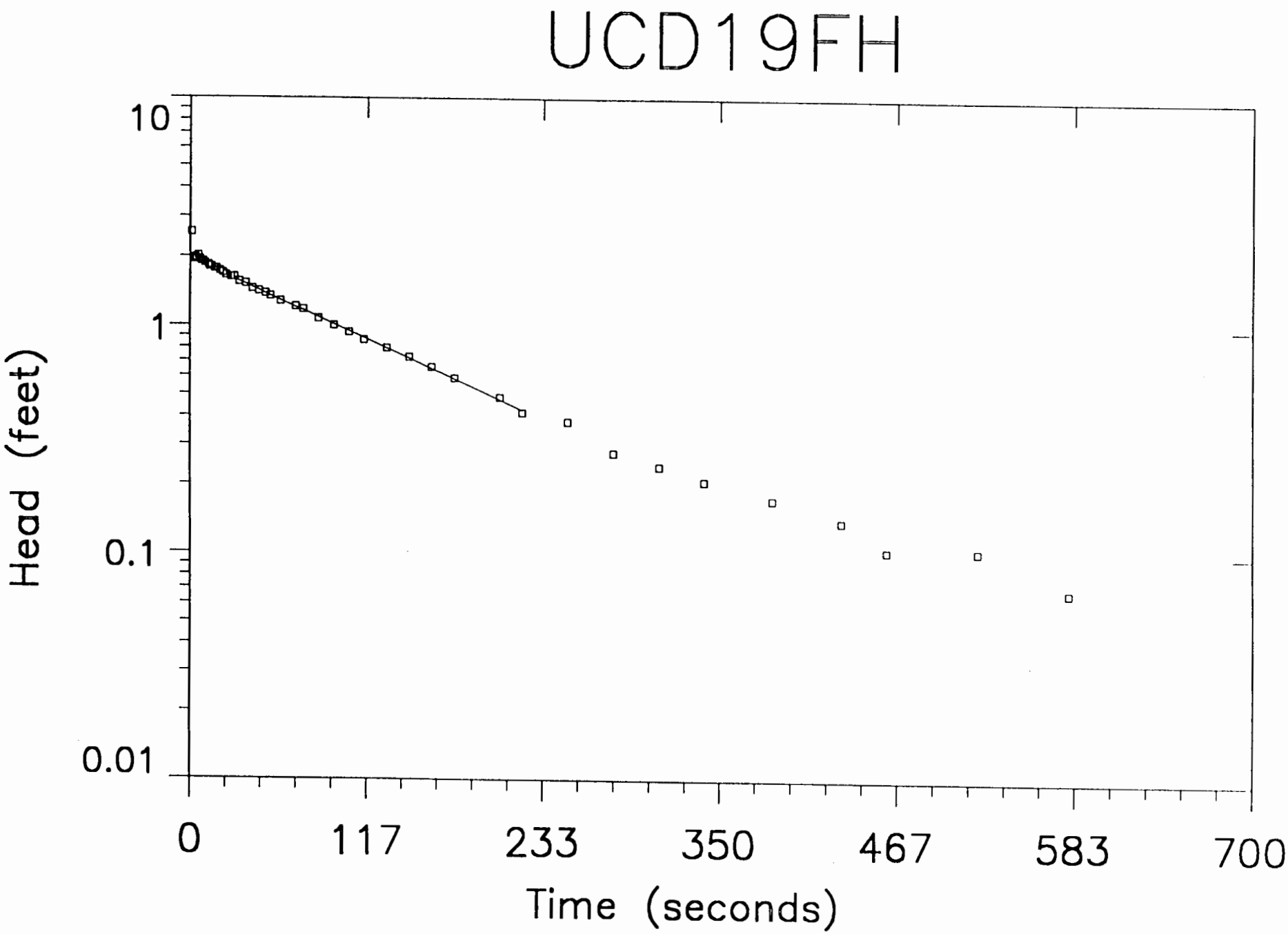
100
200
300
400
Time (seconds)

UCD18RH

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0.1
0.01
Head (feet)
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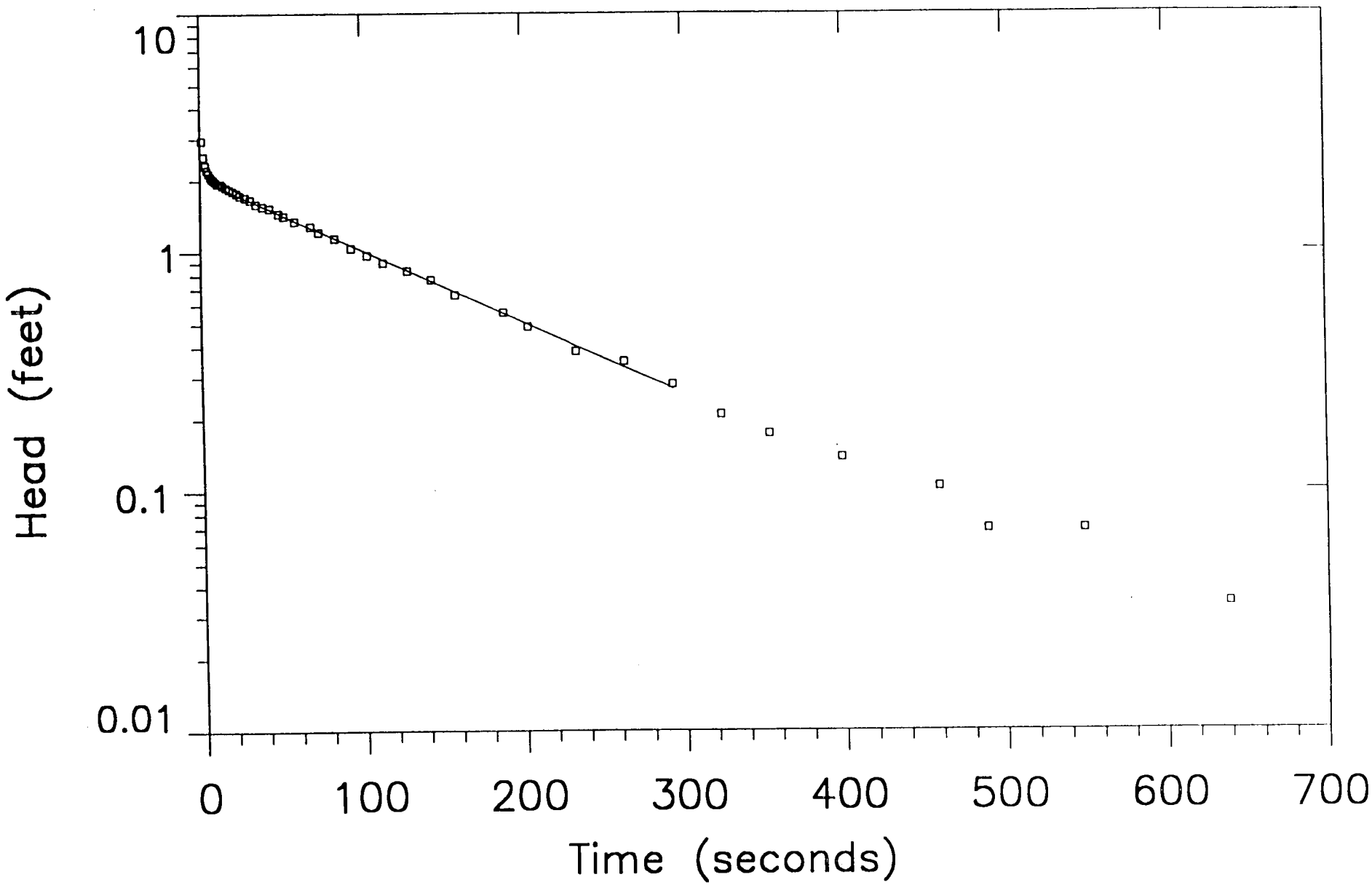
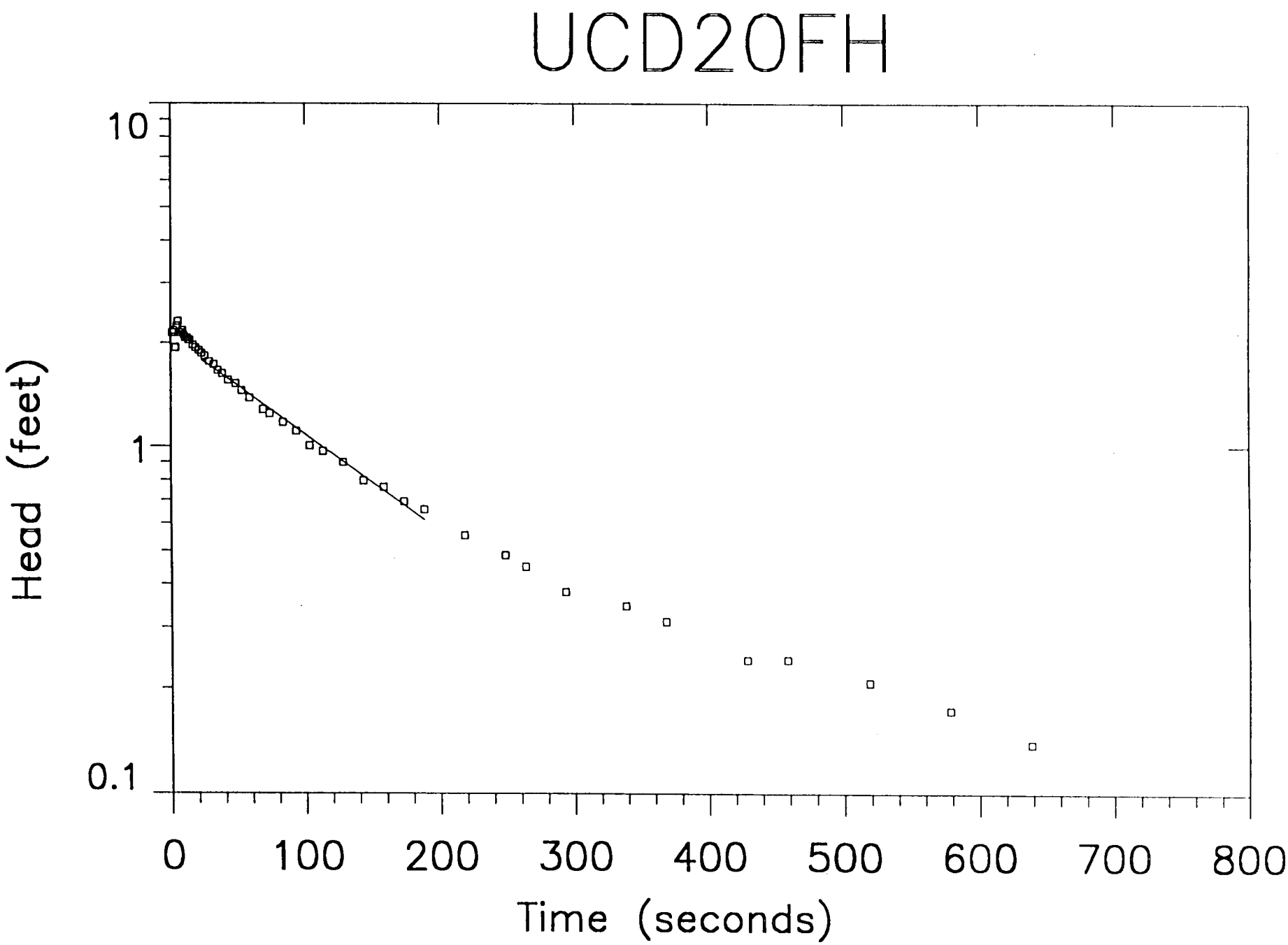
117
233
350
467
583
700
Time (seconds)

UCD19RH

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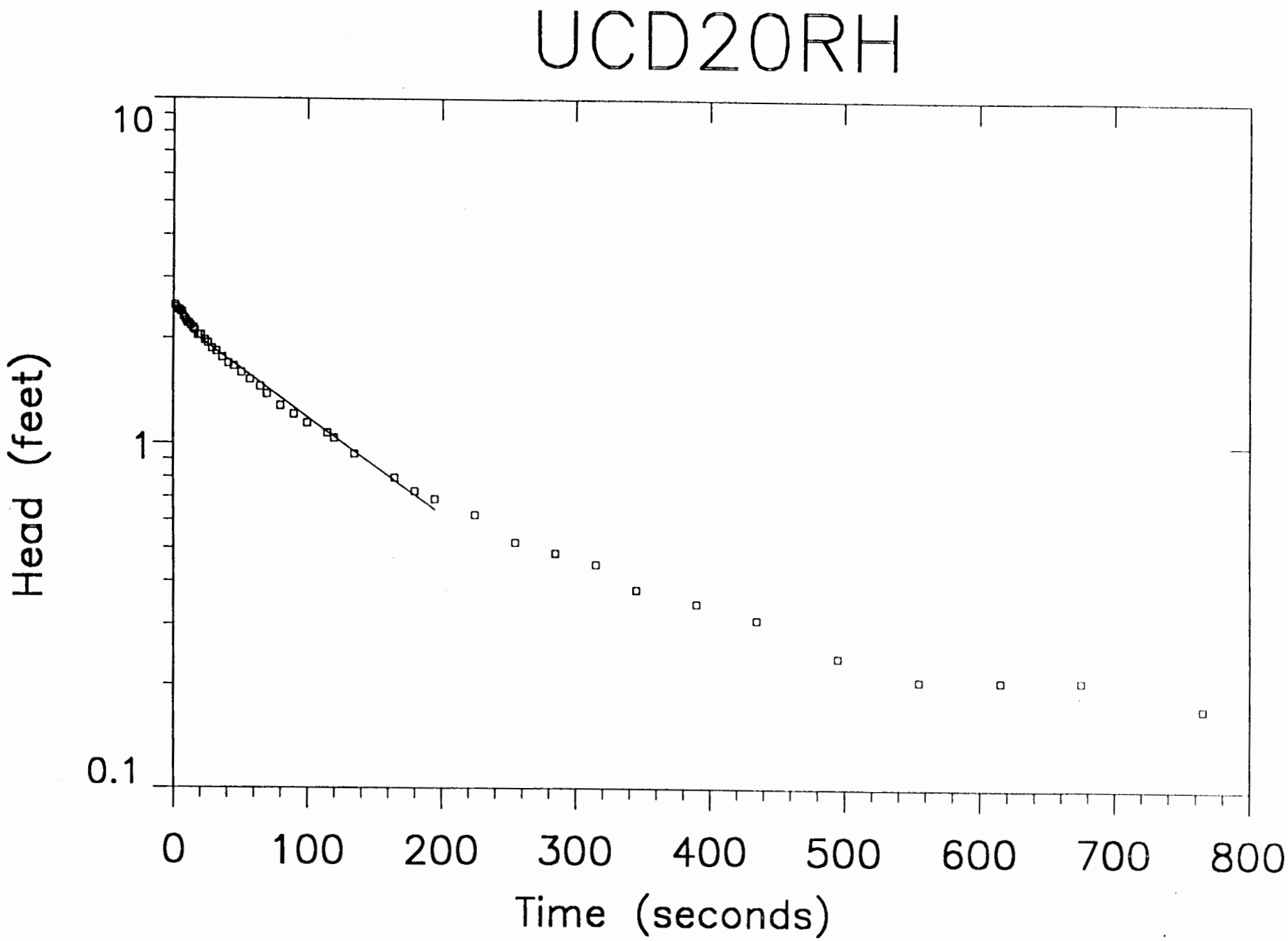
0.1
Head (feet)
0
100
200
300
400
500
600
700
800
Time (seconds)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0.1
Head (feet)
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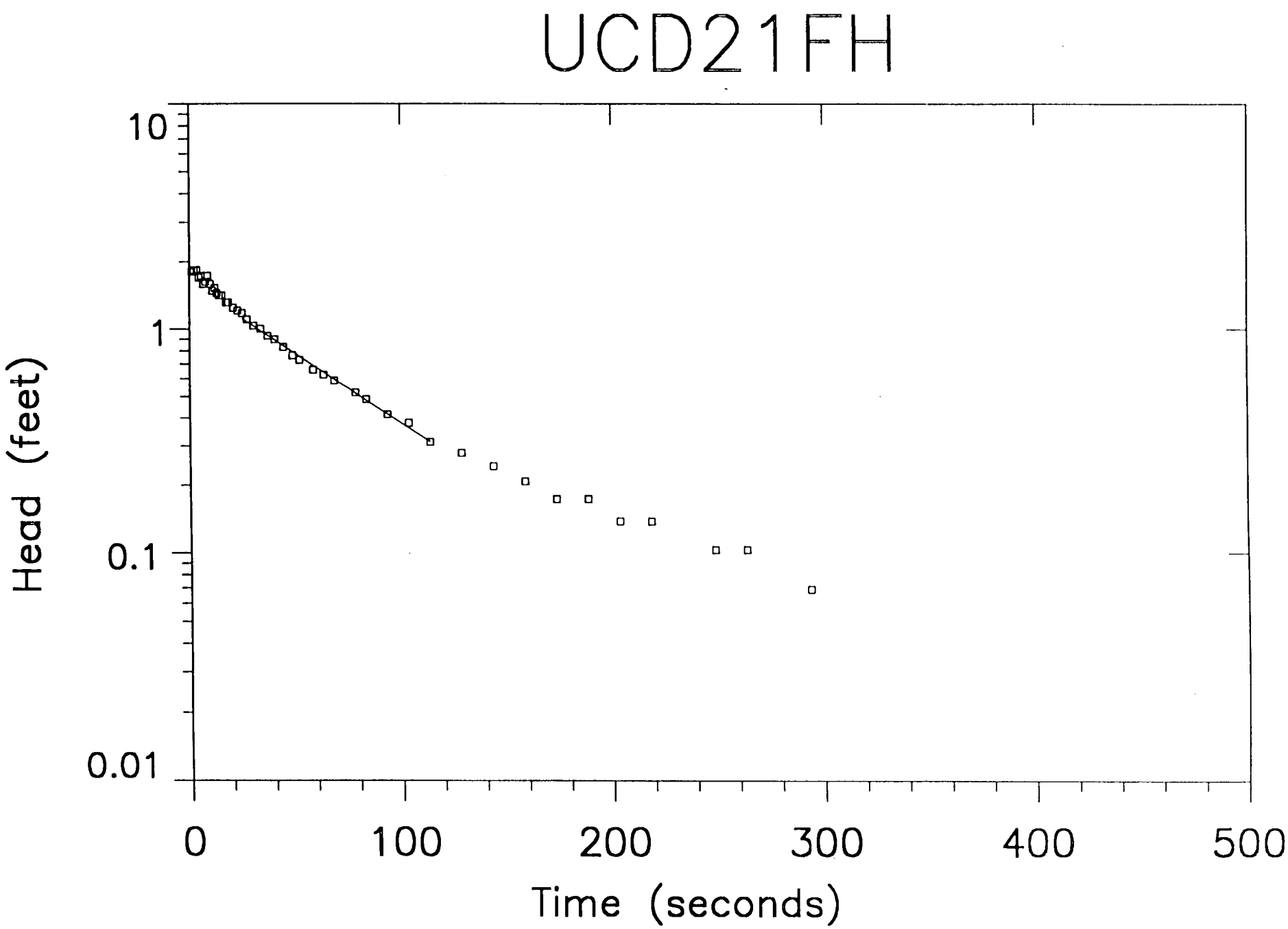
100
200
300
400
500
600
700
800
Time (seconds)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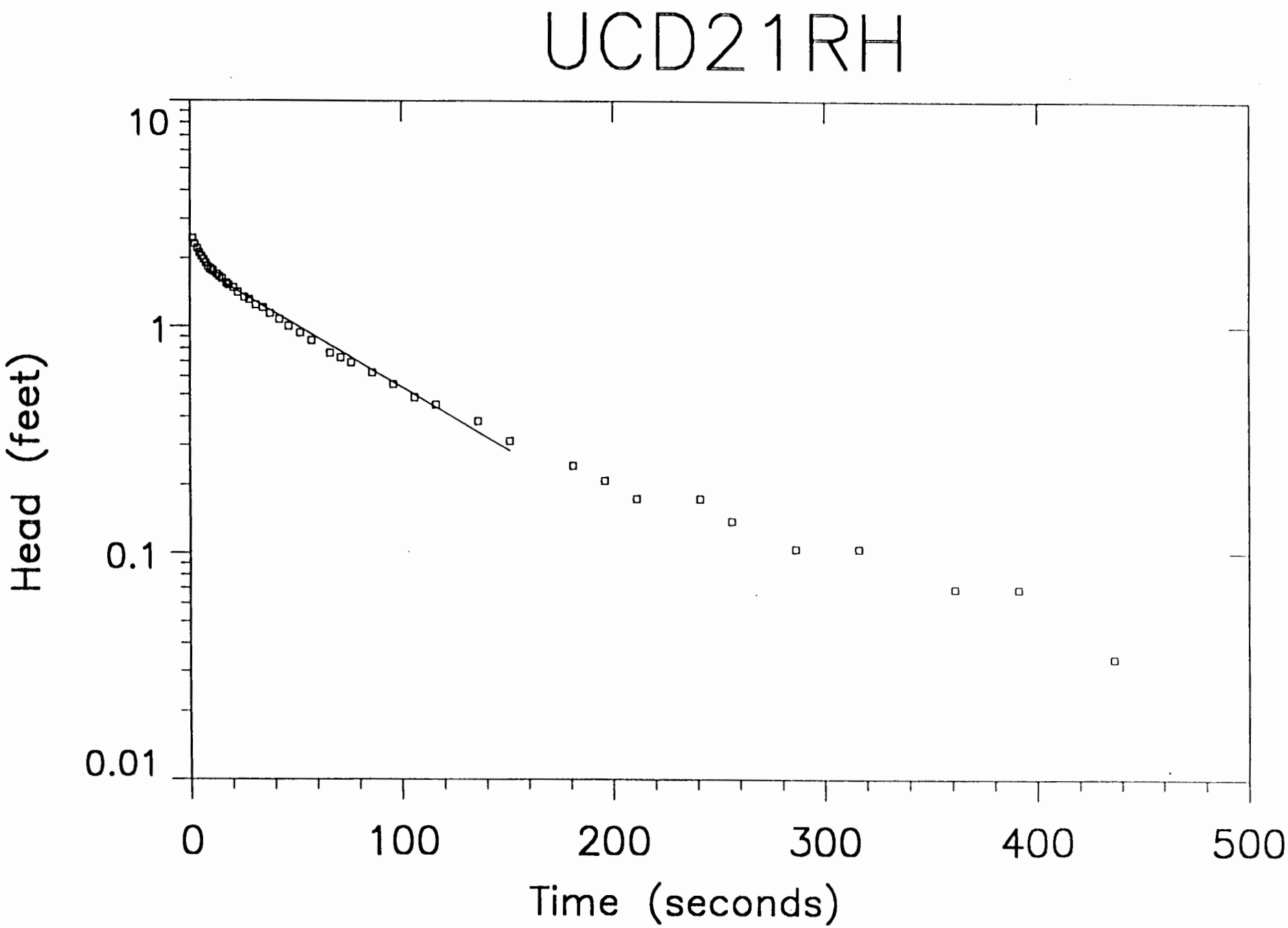
0.1
0.01
Head (feet)
0
100
200
300
400
500
Time (seconds)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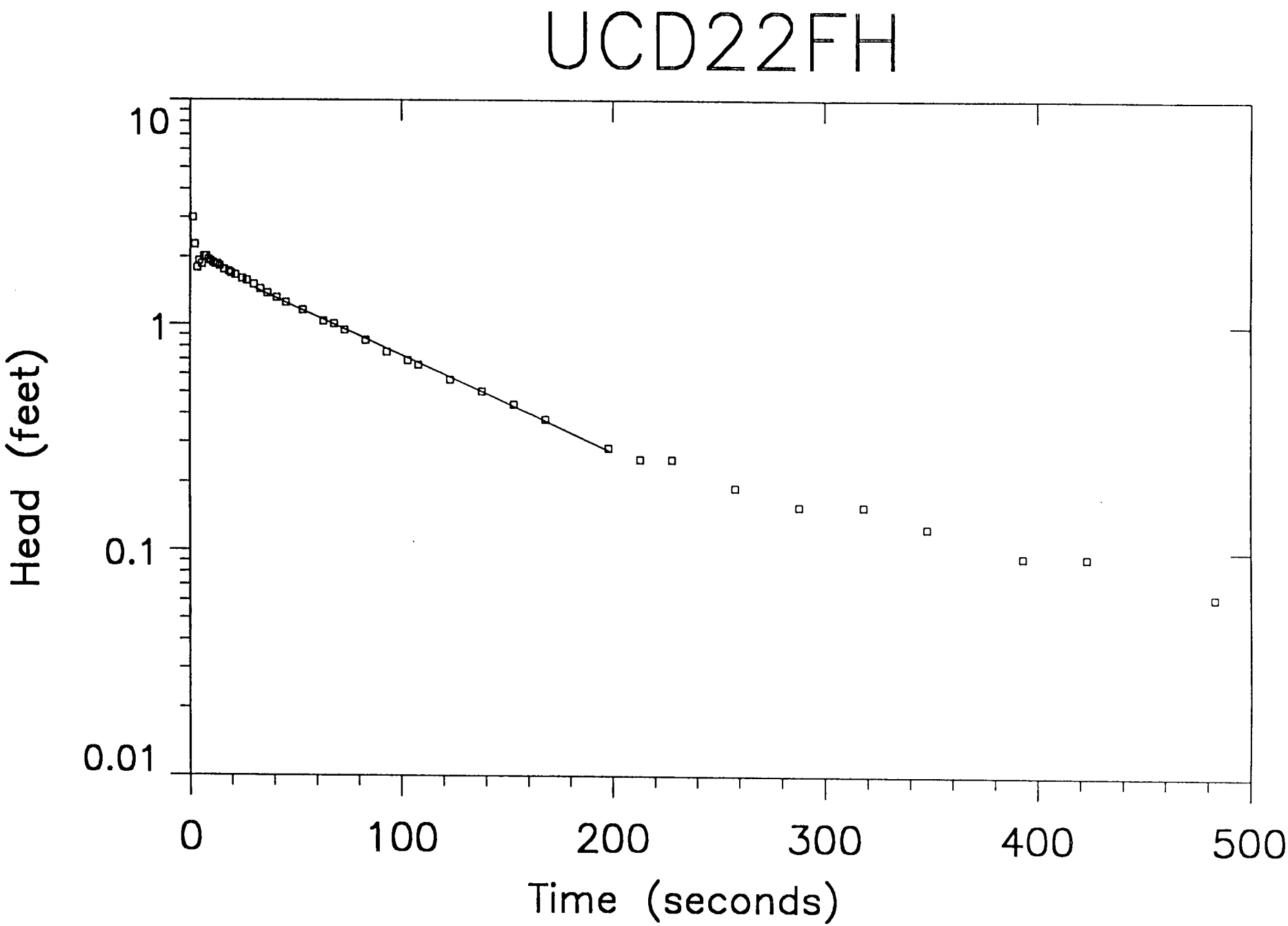
0.1
0.01
Head (feet)
0
100
200
300
400
500
Time (seconds)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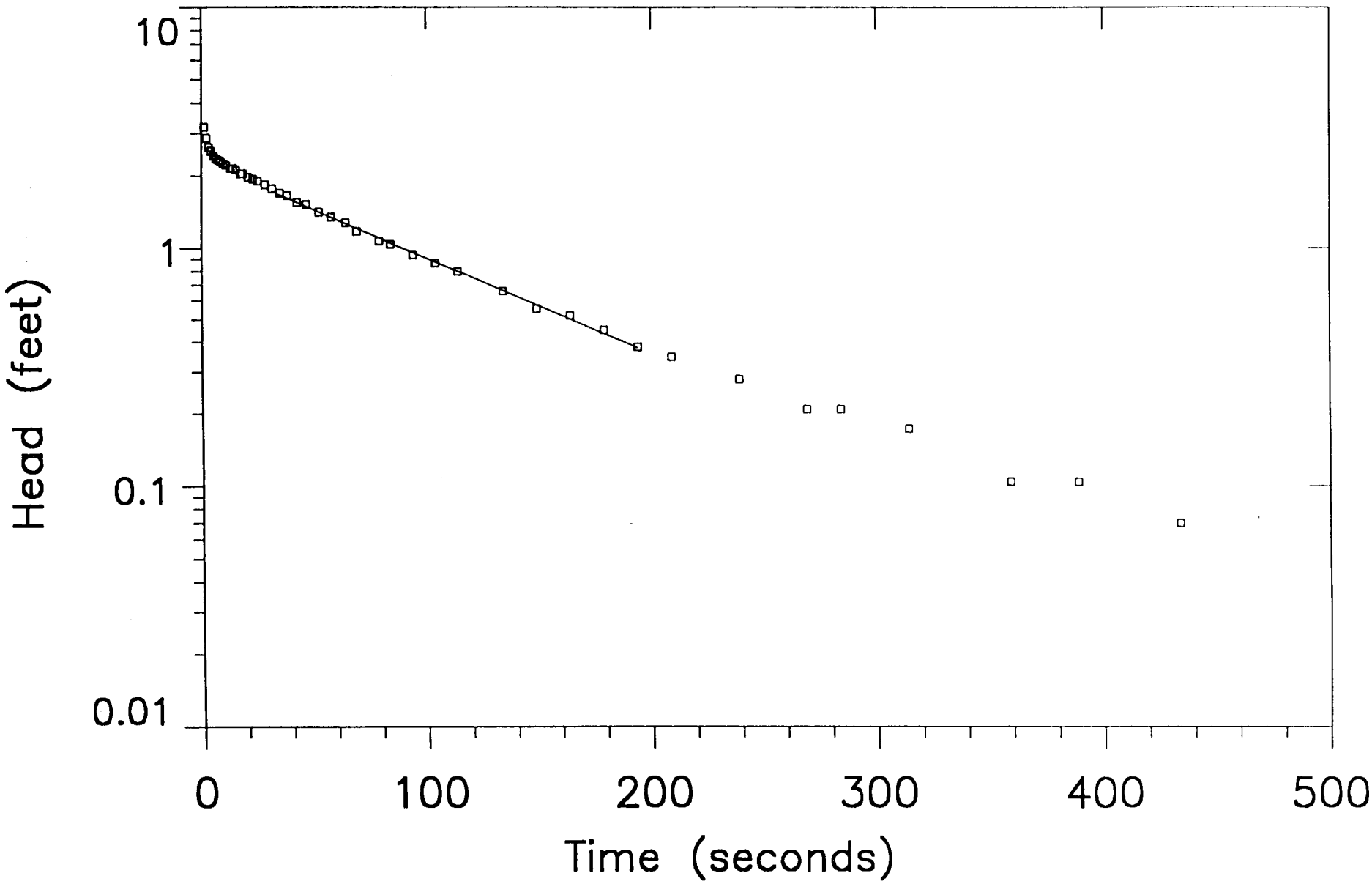
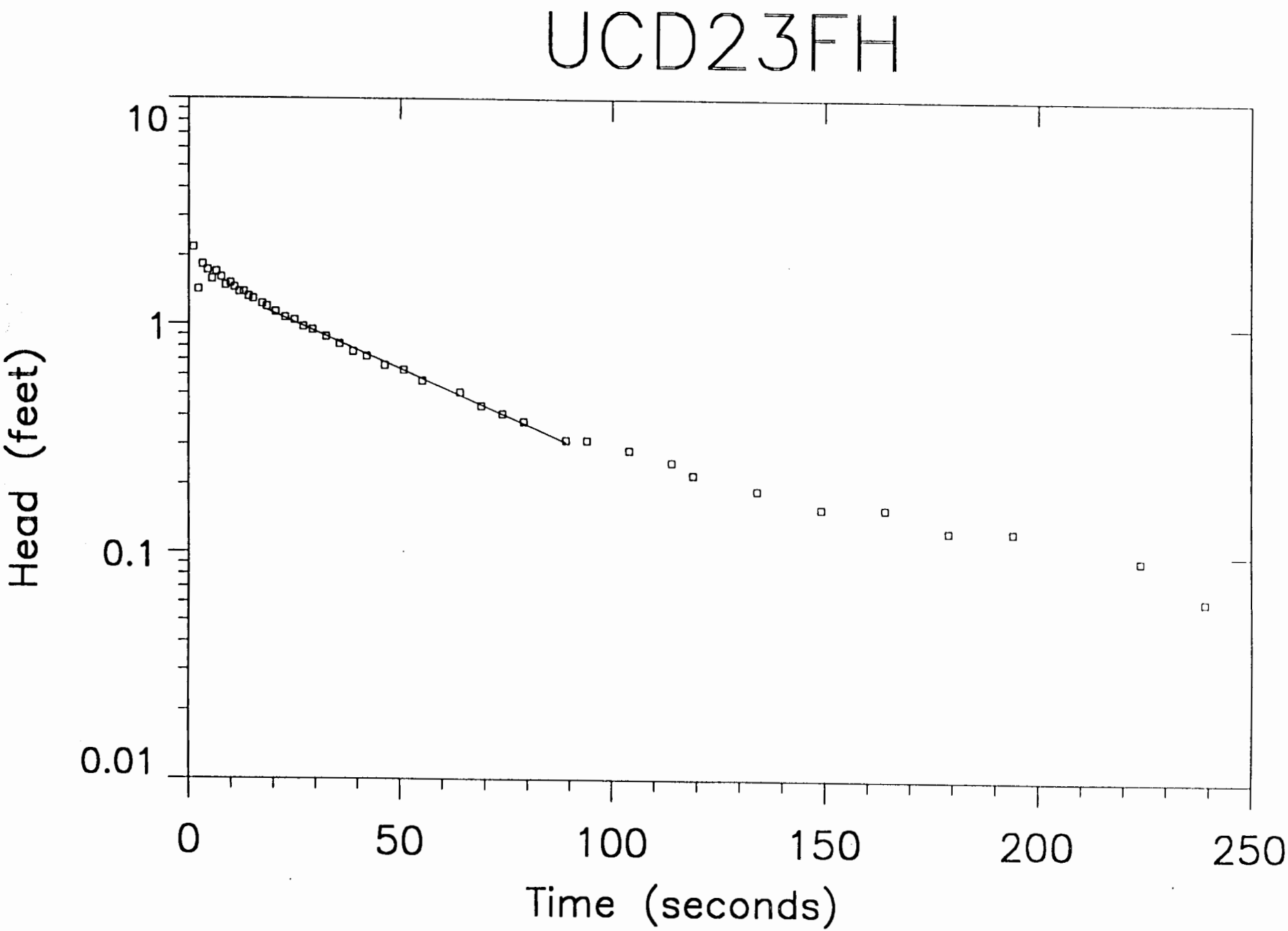
0.1
0.01
Head (feet)
0
100
200
300
400
500
Time (seconds)

UCD22RH

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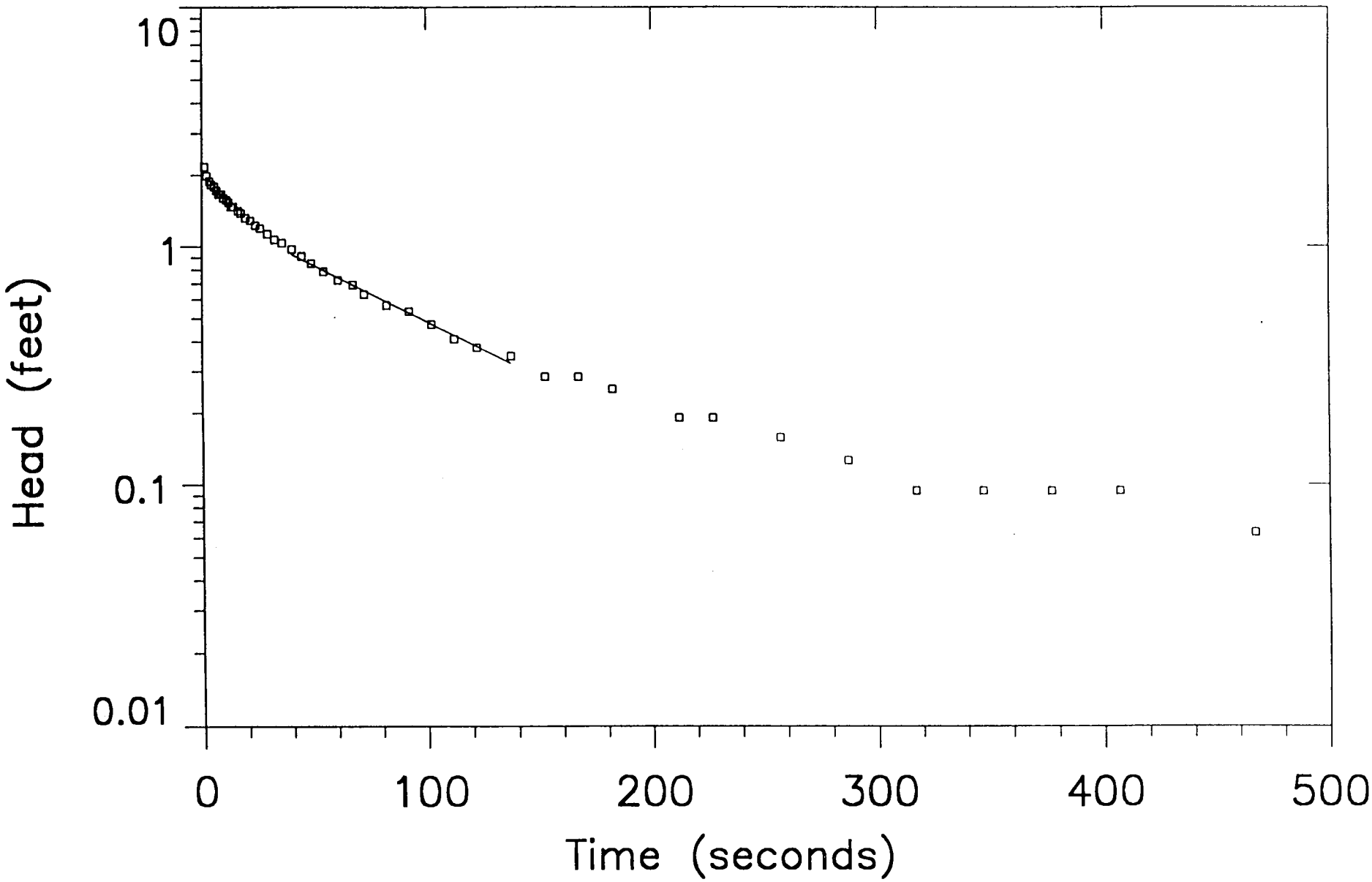
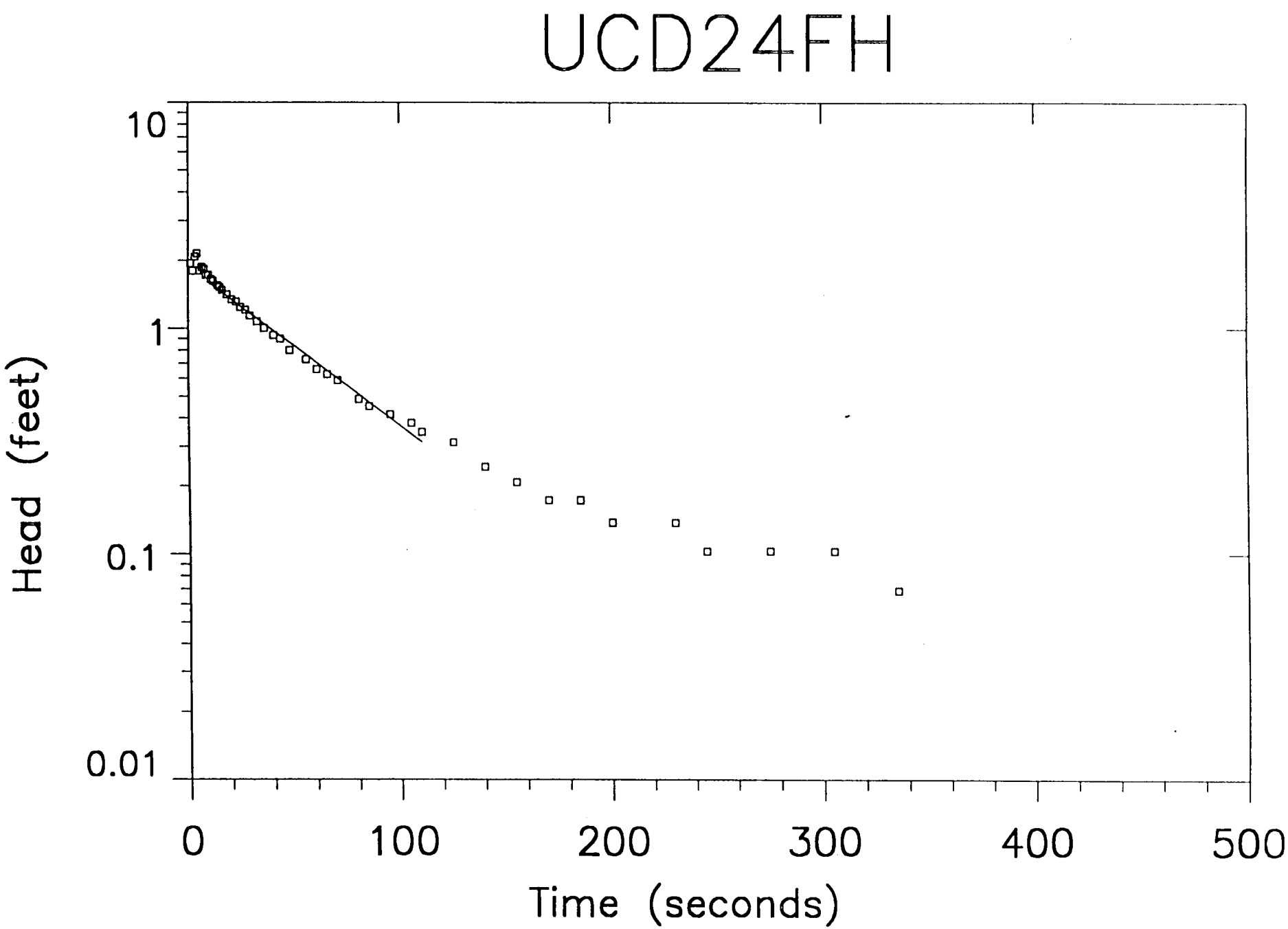
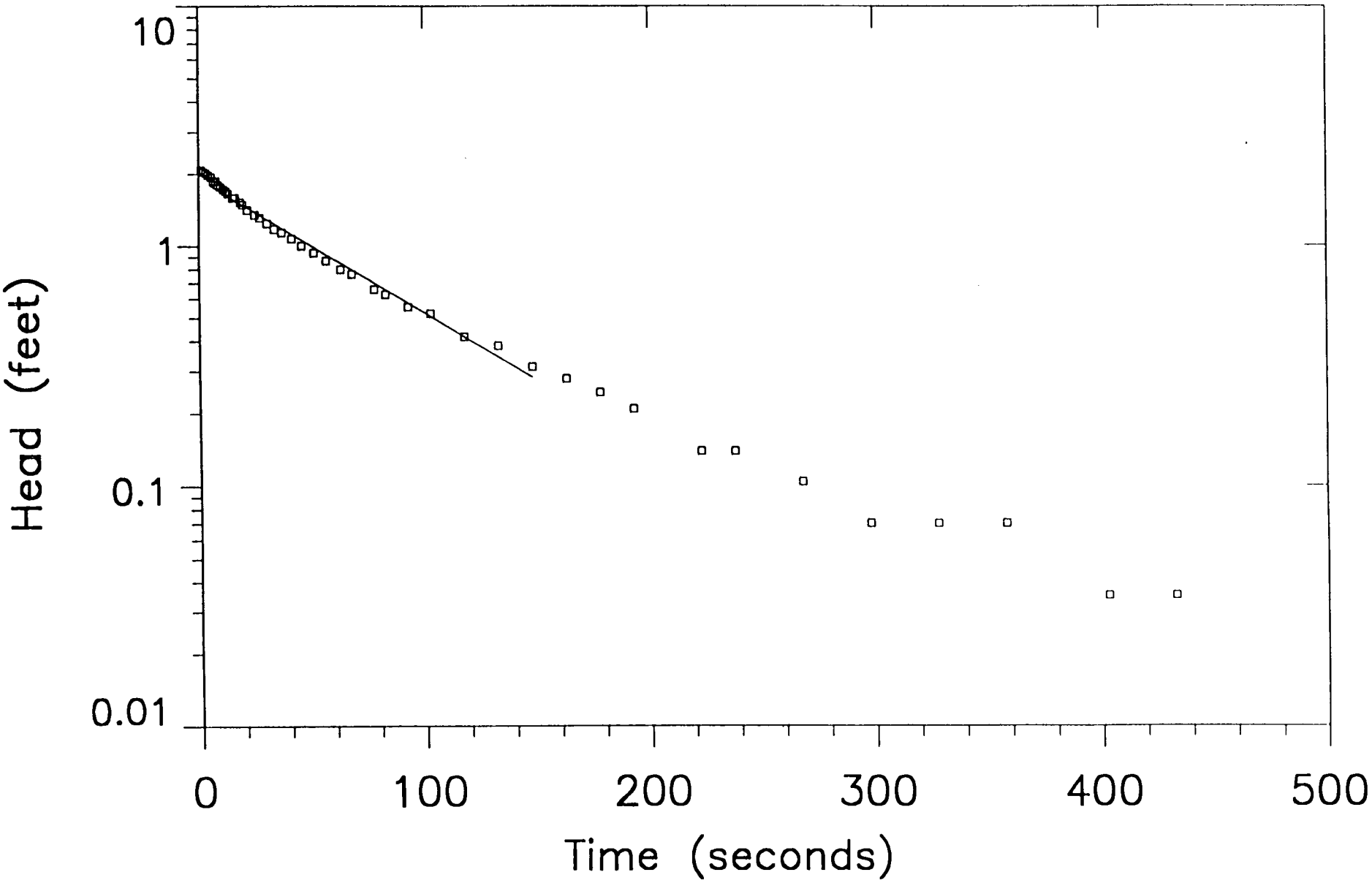
0.1
0.01
Head (feet)
0
50
100
150
200
250
Time (seconds)

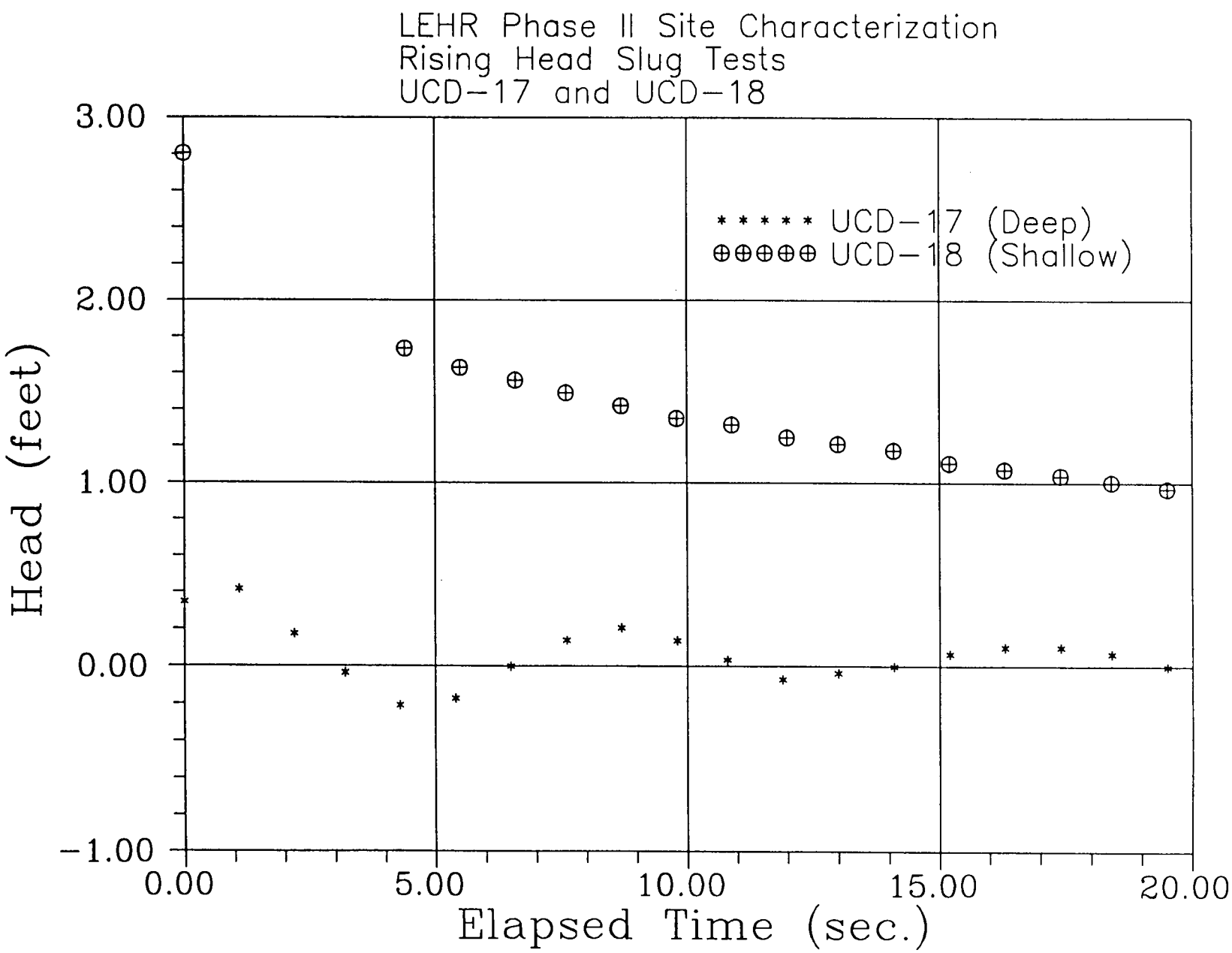
UCD23RH




UCD24FH
10
1
0.1
0.01
Head (feet)
0
100
200
300
400
500
Time (seconds)

UCD24RH

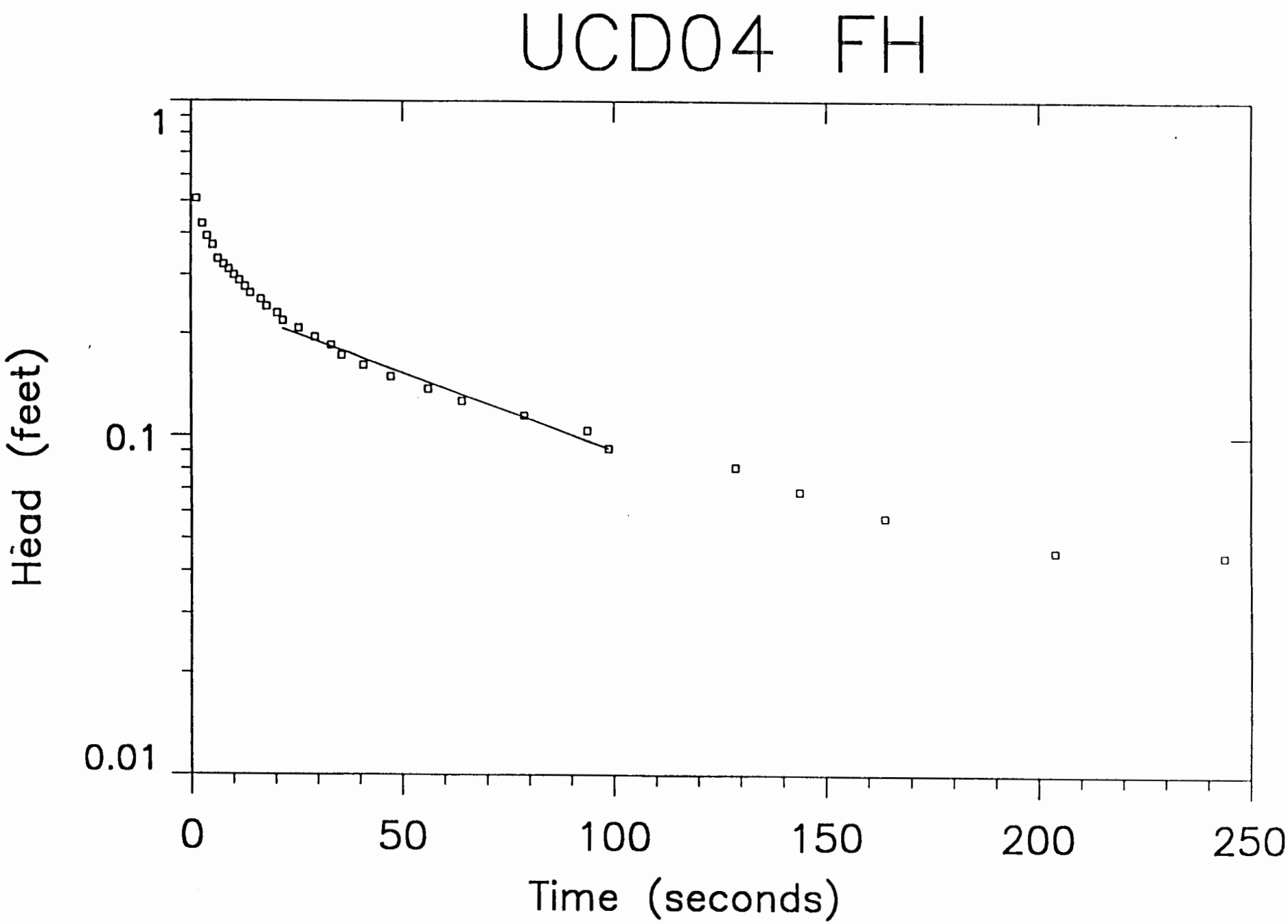



LEHR Phase II Site Characterization
Rising Head Slug Tests
UCD-17 and UCD-18
* * * * * UCD-17 (Deep)
⊕⊕⊕⊕⊕ UCD-18 (Shallow)
3.00
2.00
1.00
0.00
-1.00
Head (feet)
0.00
5.00
10.00
15.00
20.00
Elapsed Time (sec.)

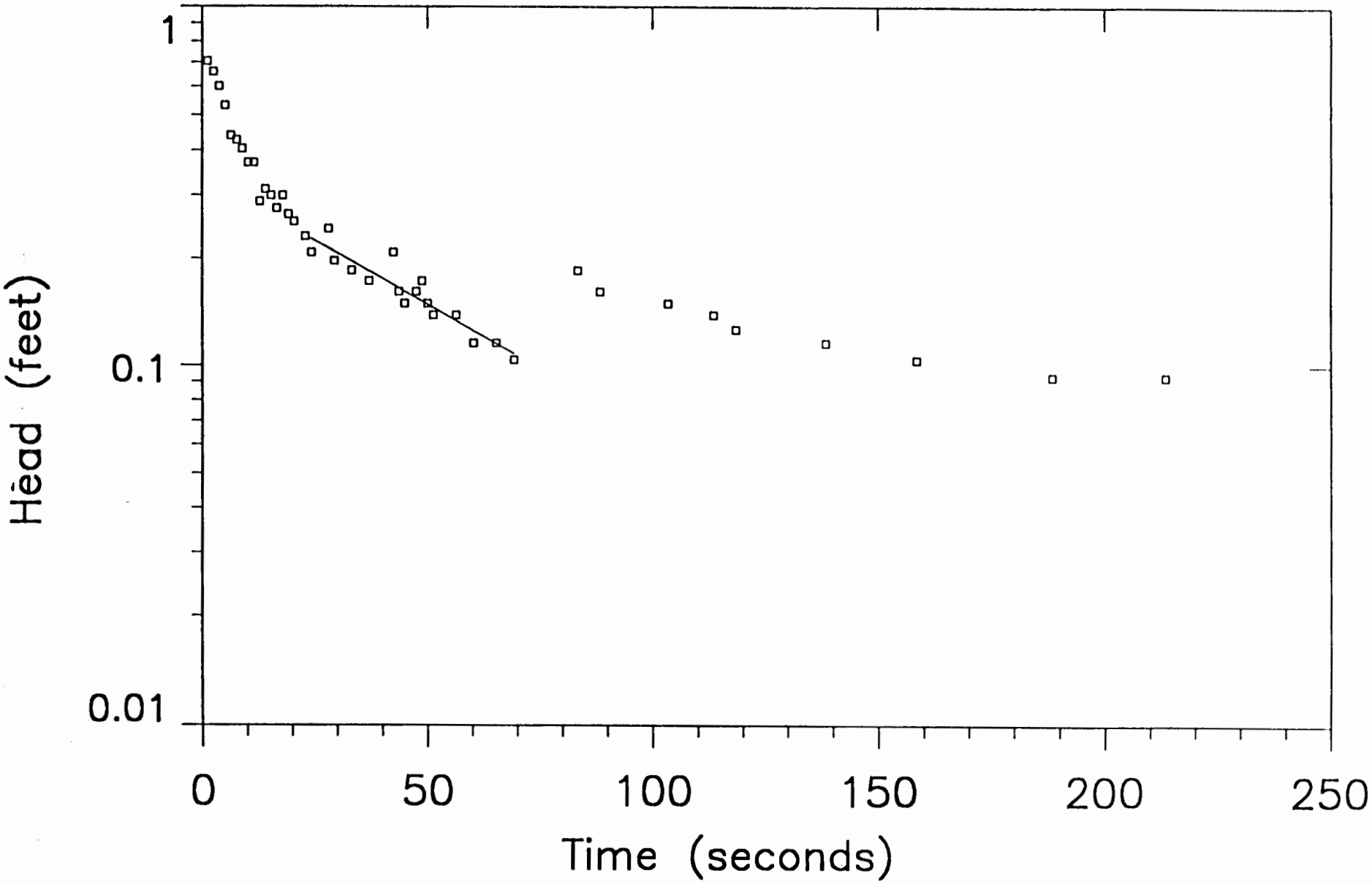
SLUG TEST DATA PLOTS

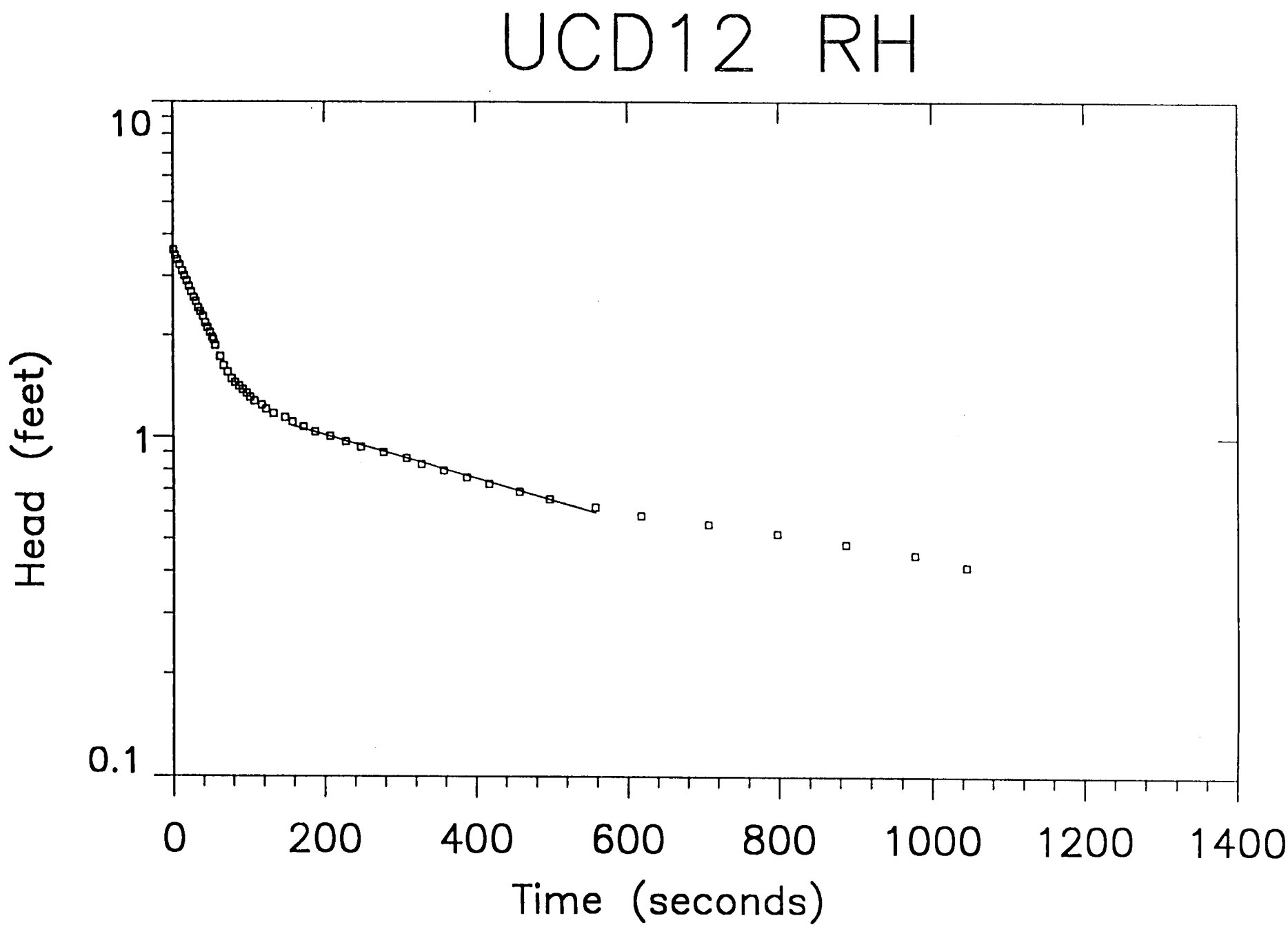
CONTAMINANT PATHWAY ANALYSIS STUDY

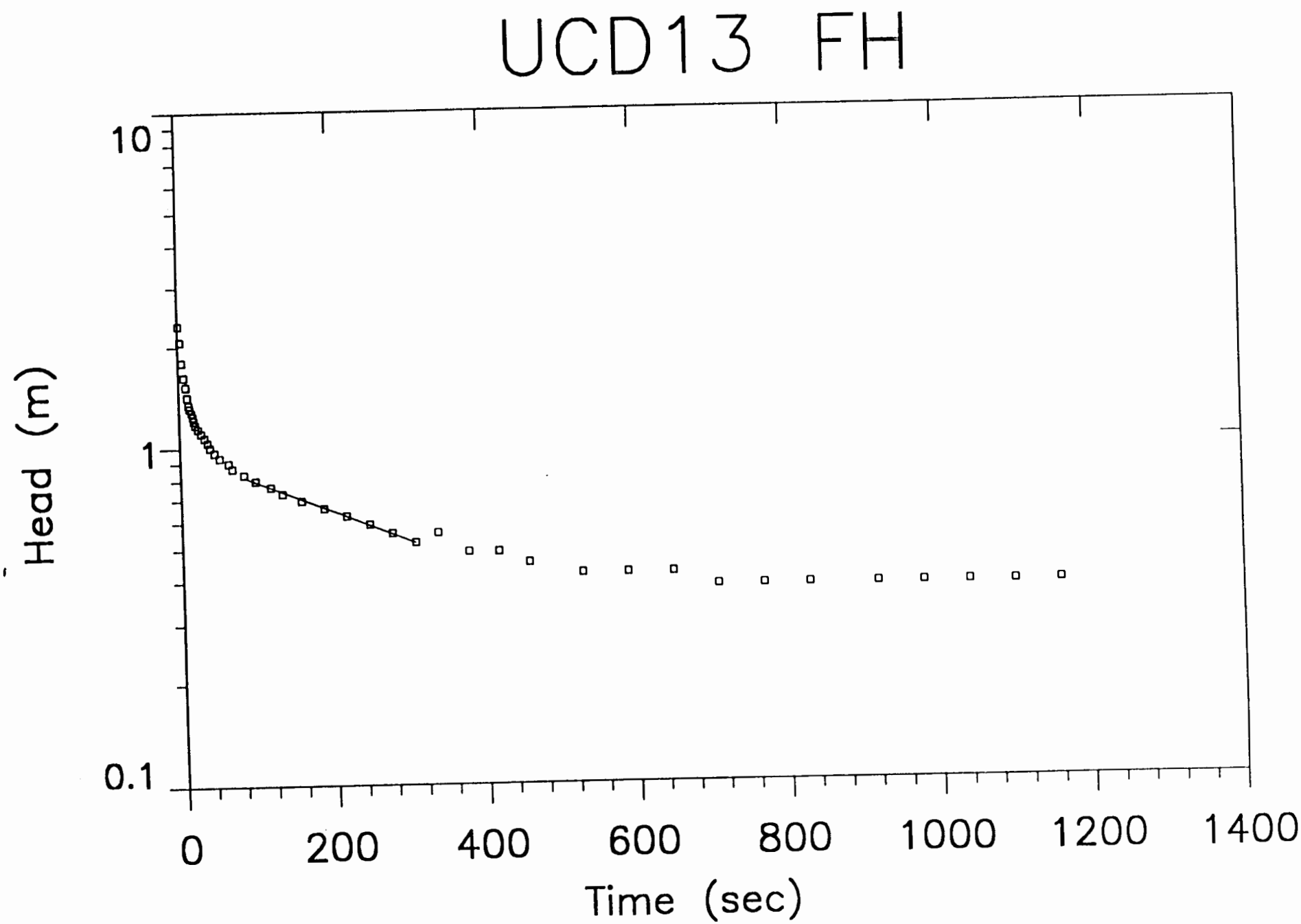
PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

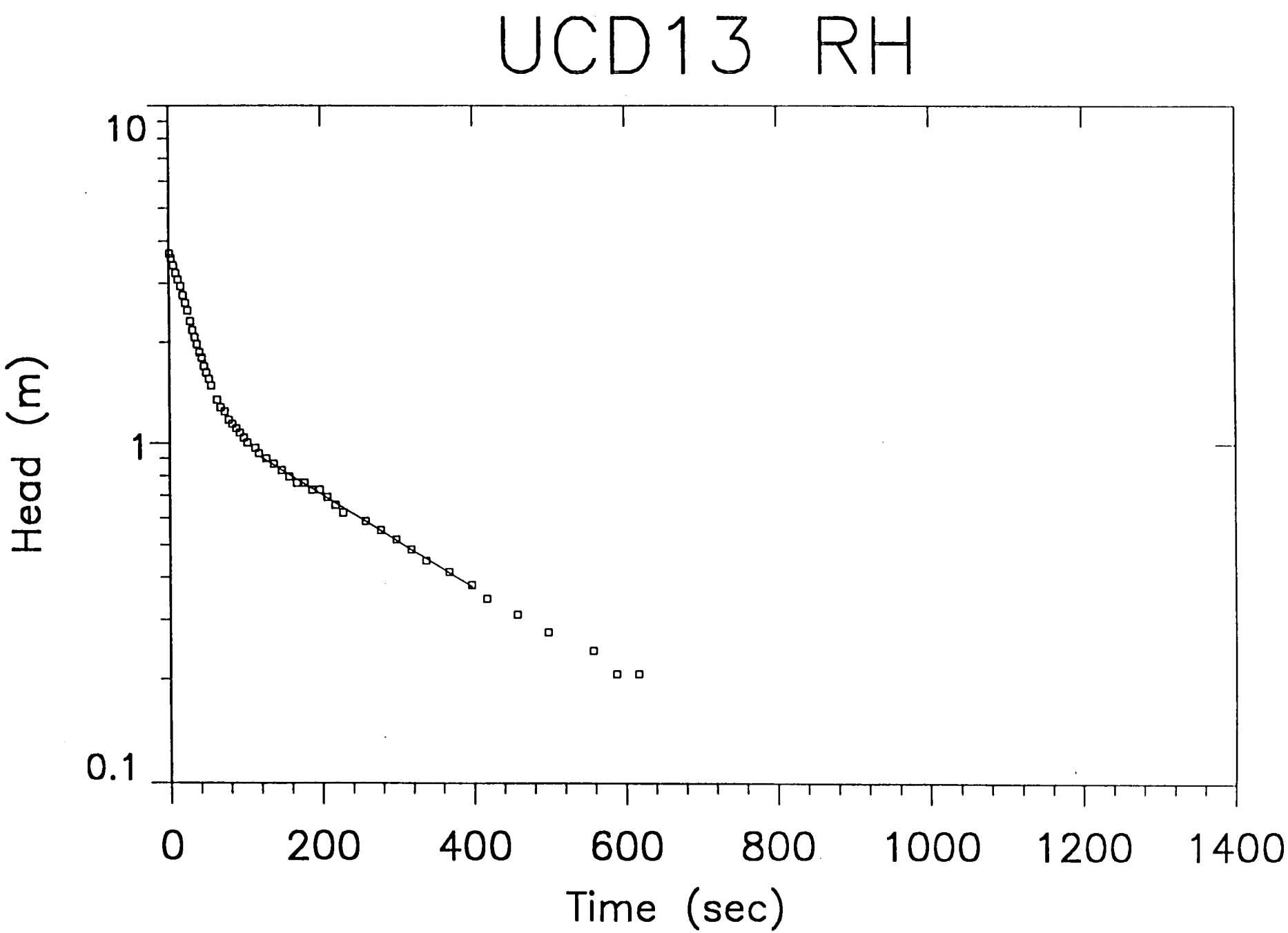

UCD04 FH
1
0.1
0.01
Head (feet)
0
50
100
150
200
250
Time (seconds)

UCD04 RH

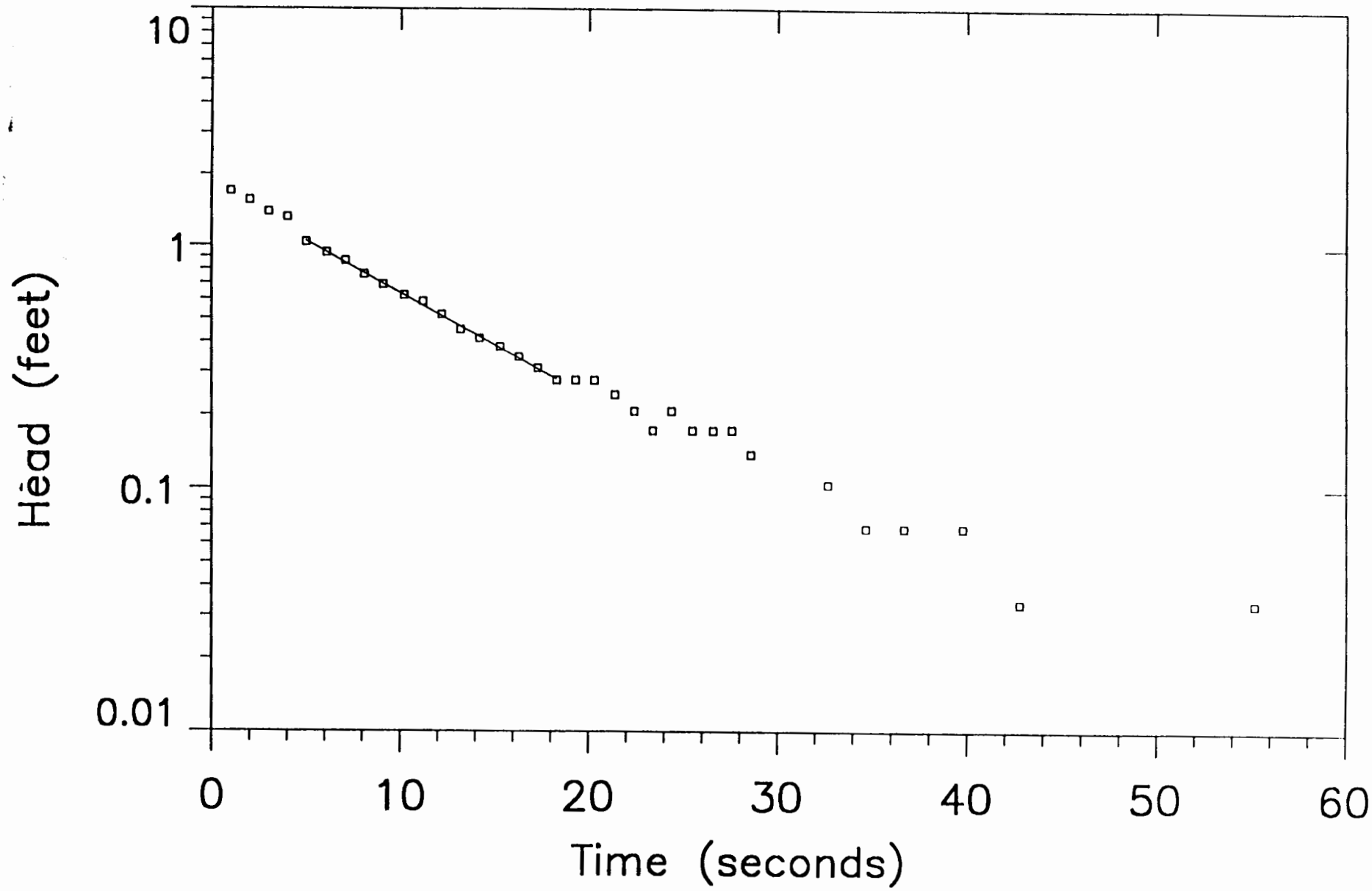


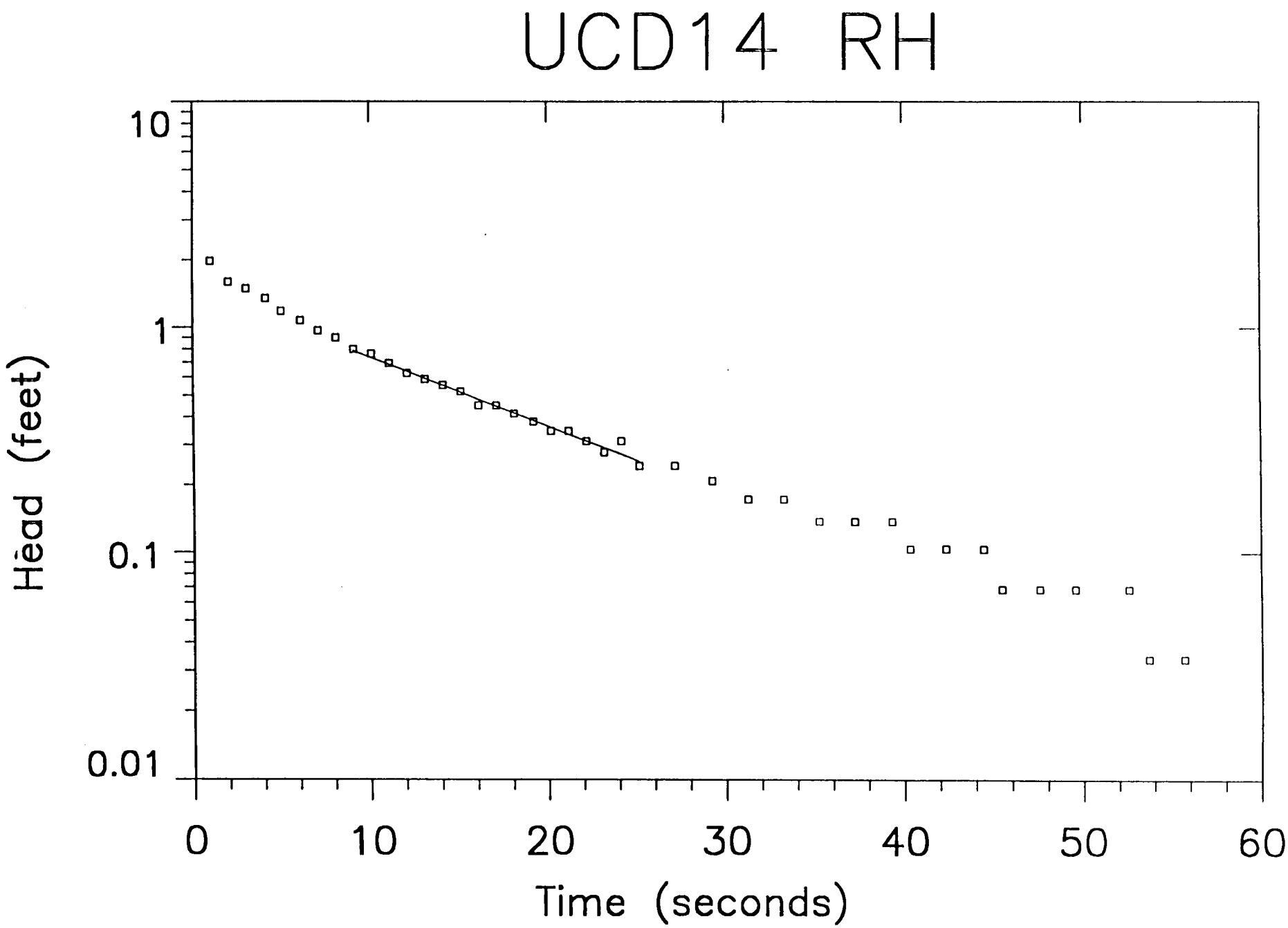

UCD12 RH
10
1
0.1
Head (feet)
0
200
400
600
800
1000
1200
1400
Time (seconds)


UCD13 FH
10
1
0.1
Head (m)
0
200
400
600
800
1000
1200
1400
Time (sec)

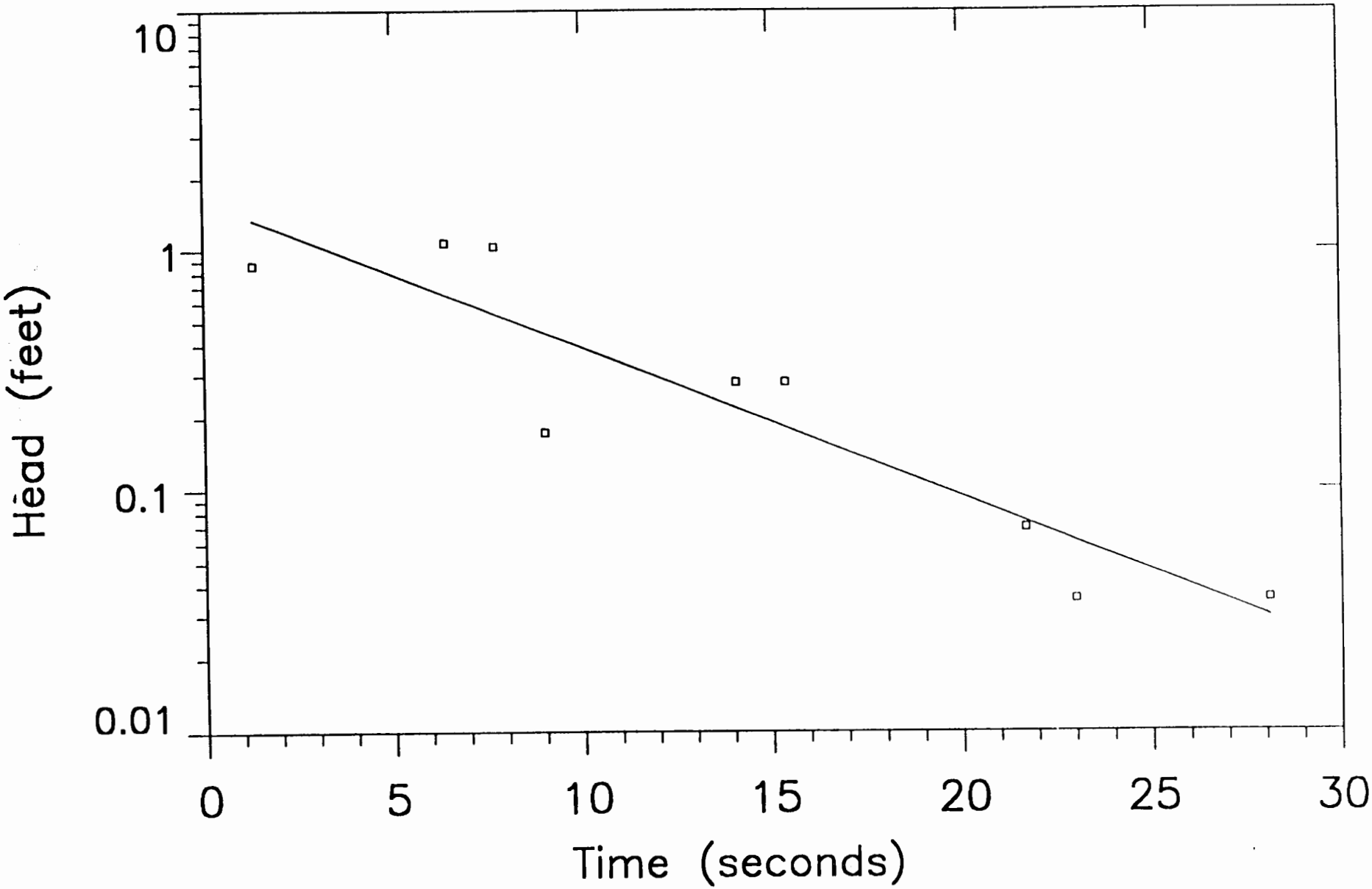

UCD13 RH
10
1
0.1
Head (m)
0
200
400
600
800
1000
1200
1400
Time (sec)

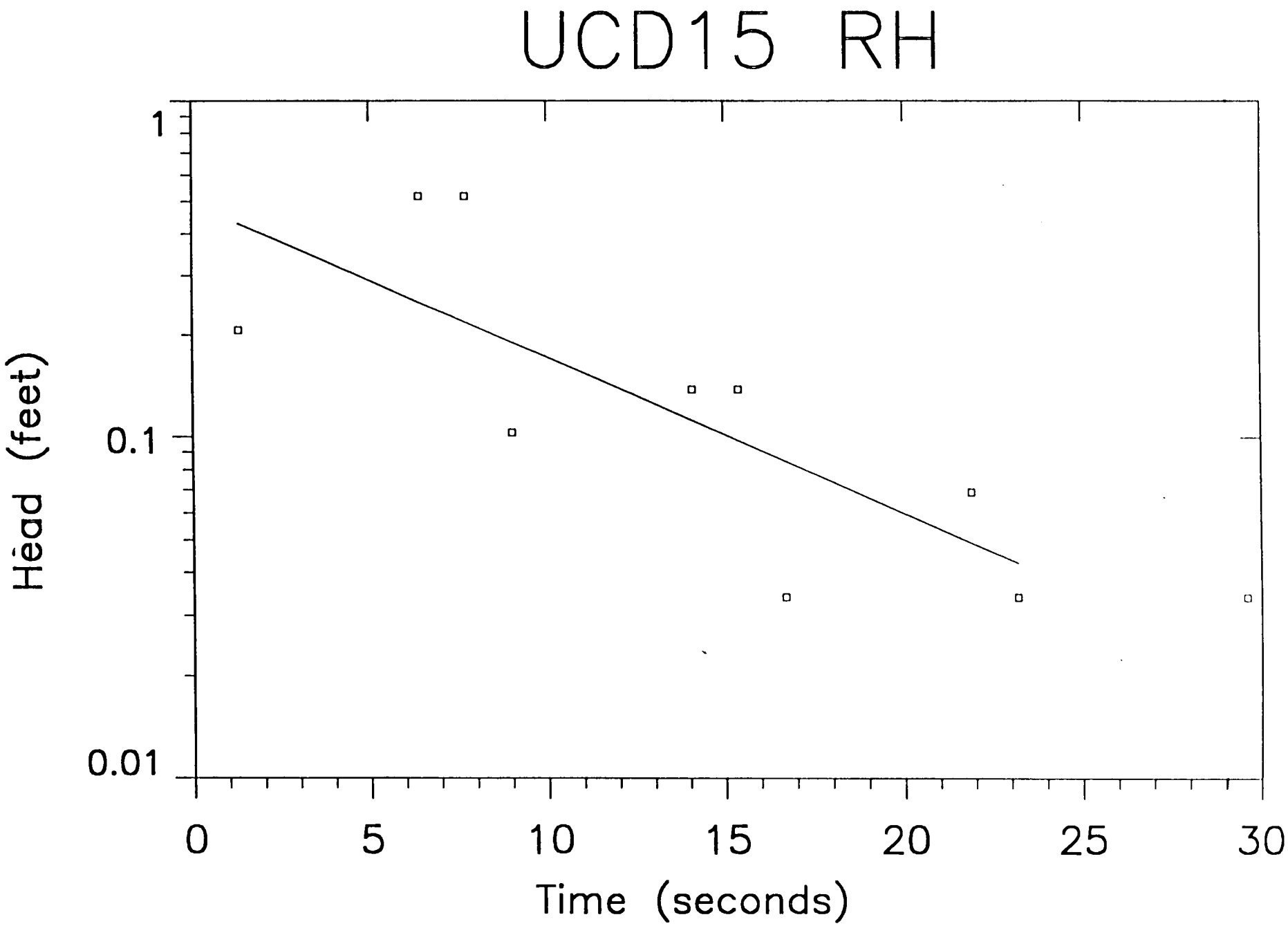
UCD14 FH



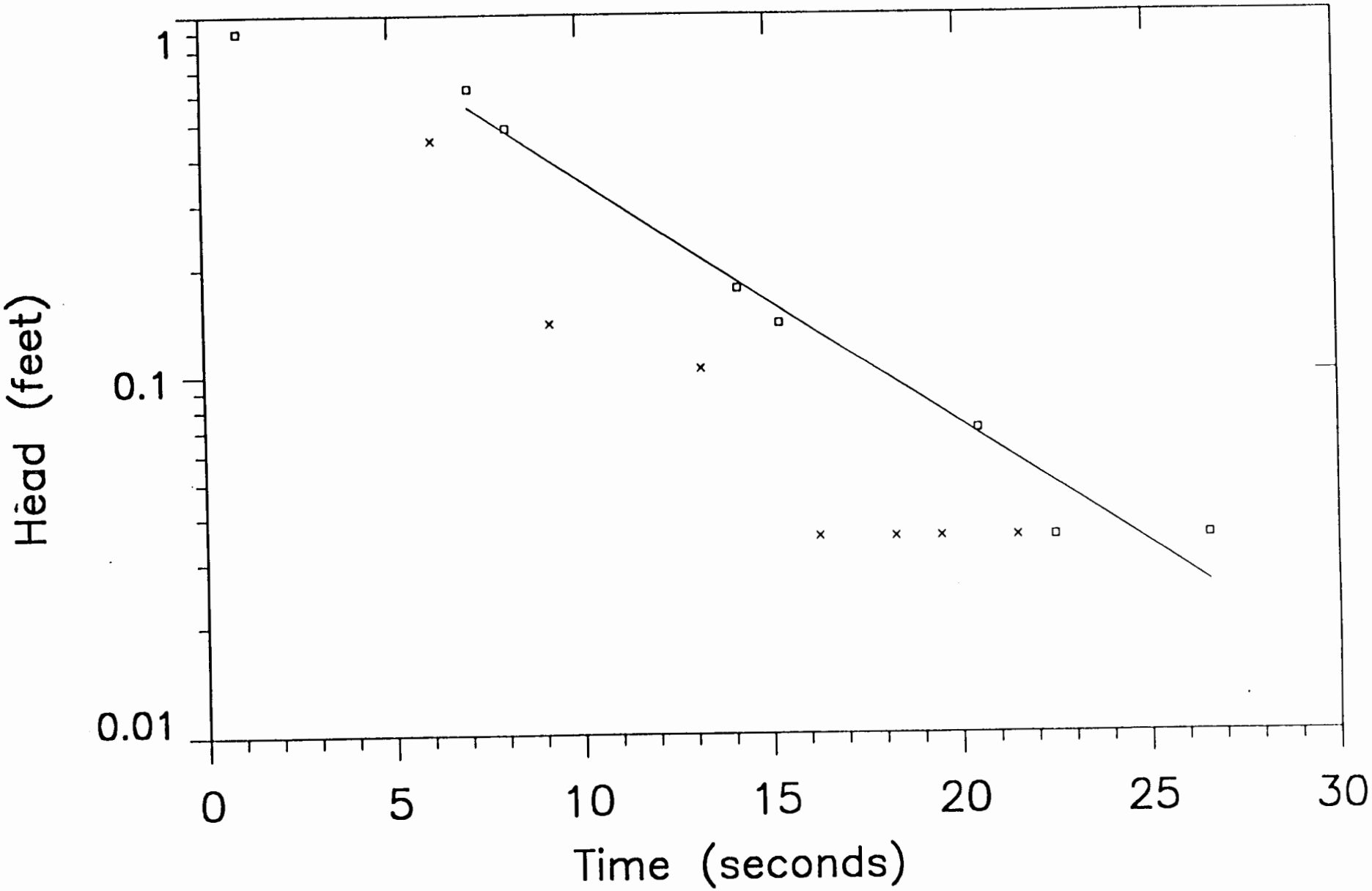

UCD14 RH
10
1
0.1
0.01
Head (feet)
0
10
20
30
40
50
60
Time (seconds)

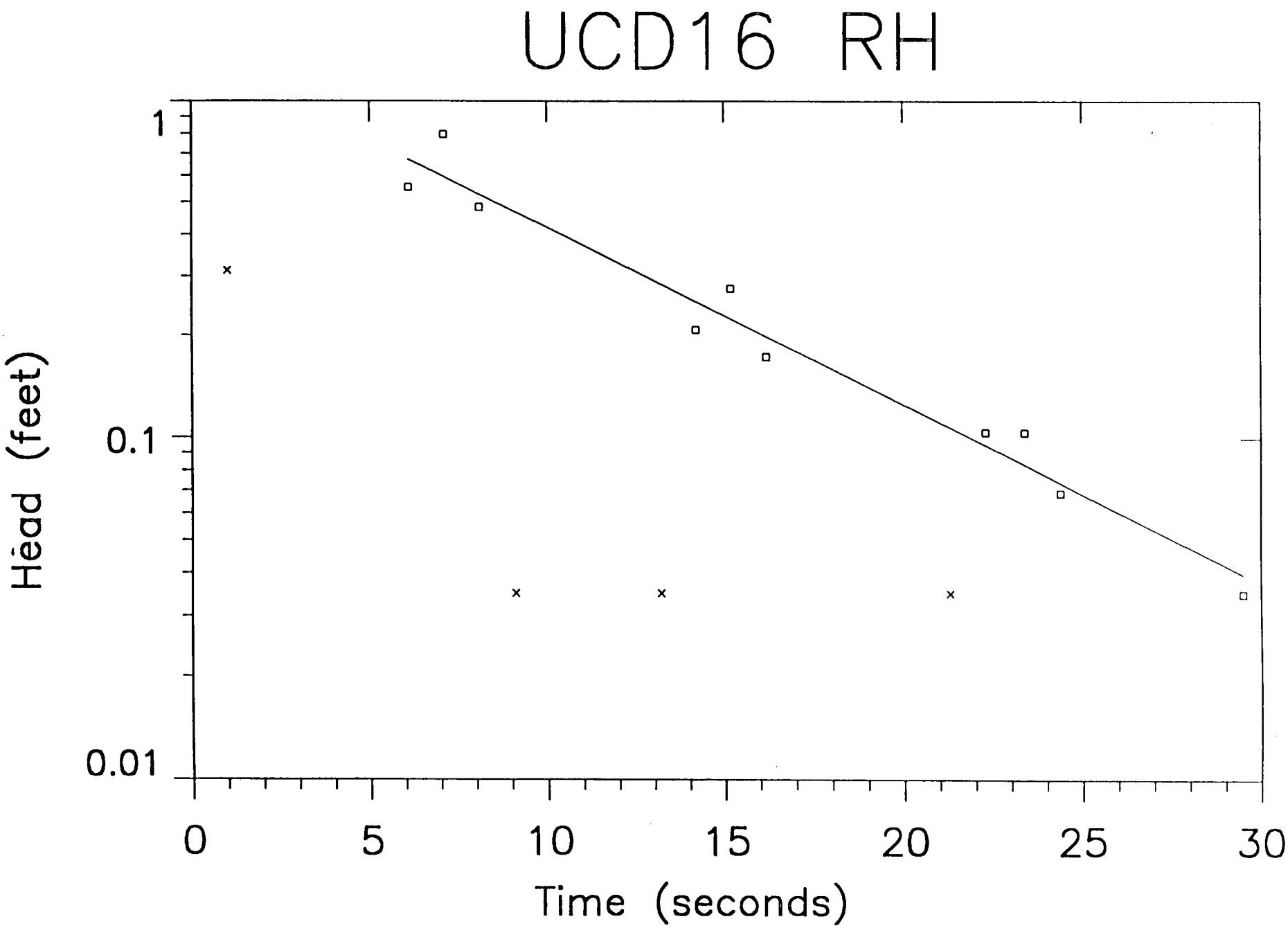
UCD15 FH



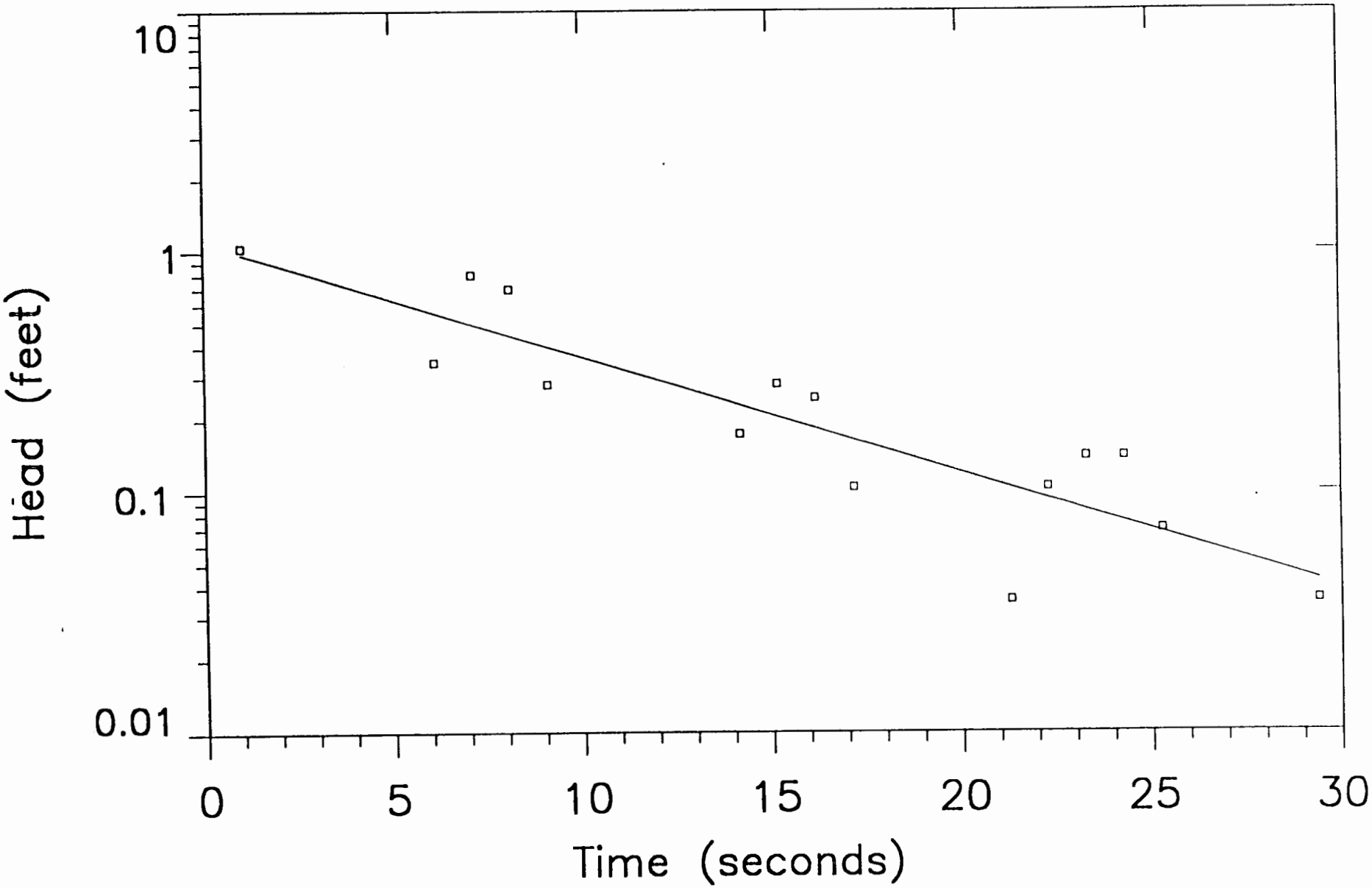

UCD15 RH
1
0.1
0.01
Head (feet)
0
5
10
15
20
25
30
Time (seconds)

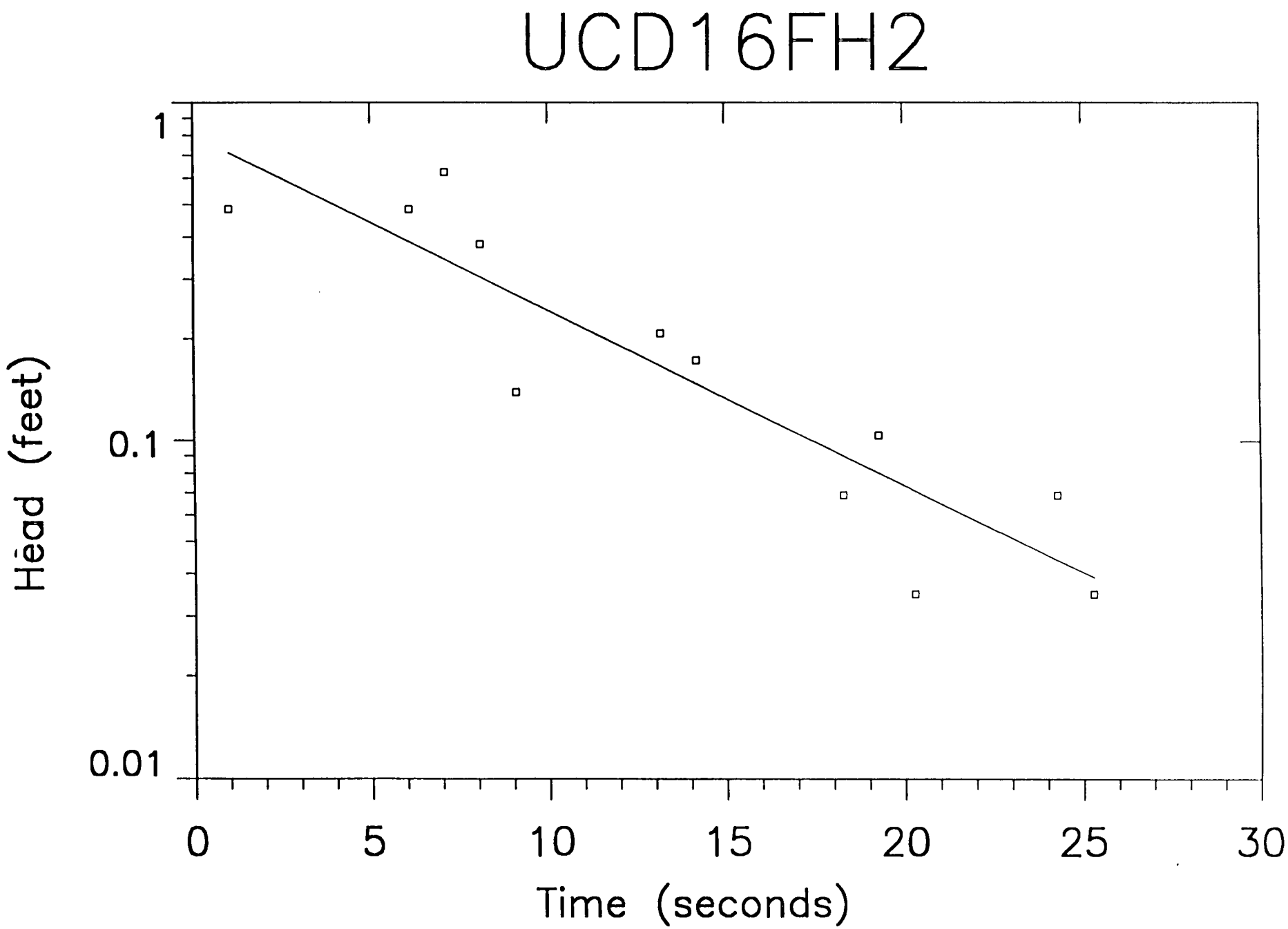
UCD16 FH



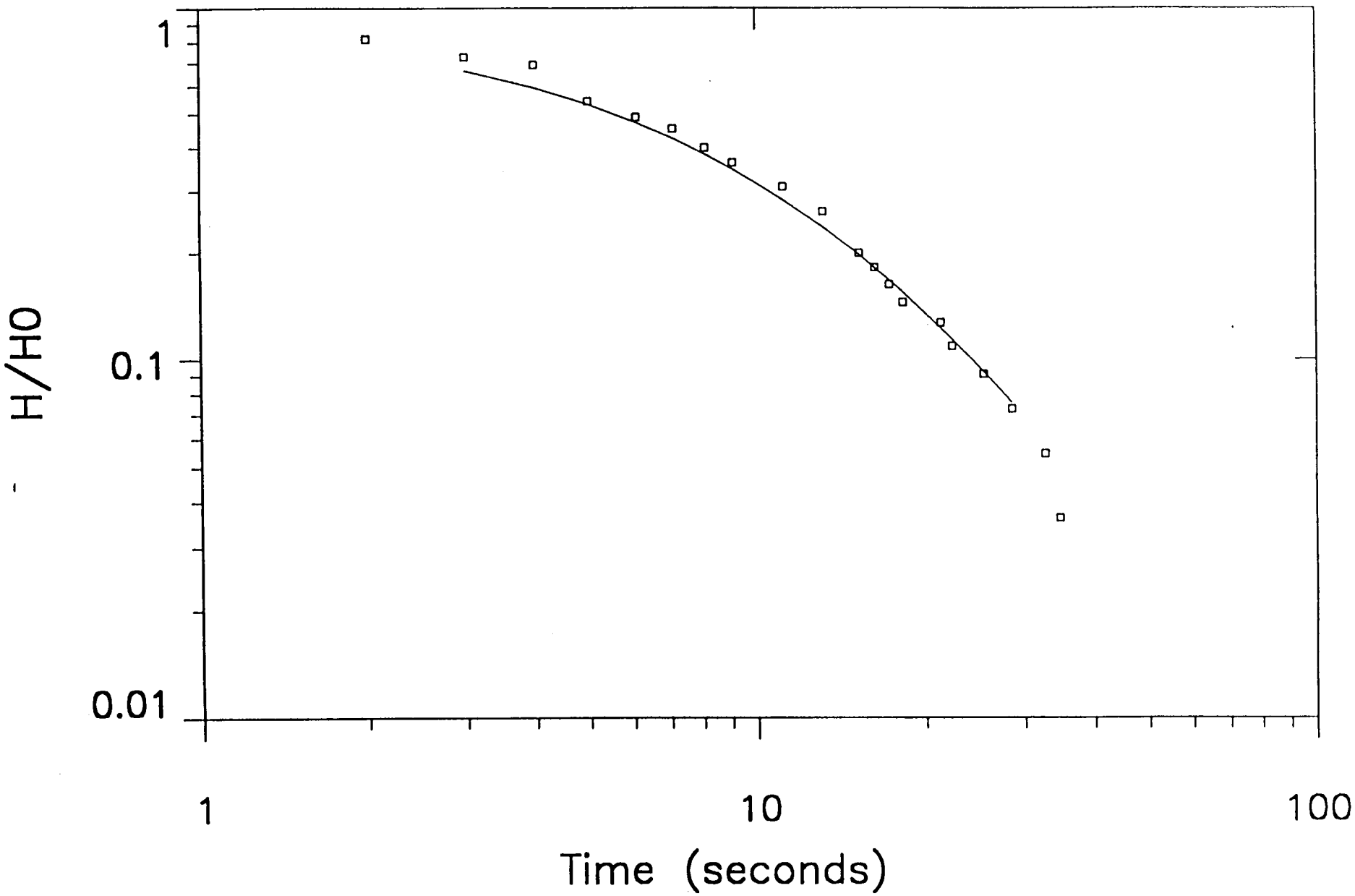

UCD16 RH
Head (feet)
1
0.1
0.01
0
5
10
15
20
25
30
Time (seconds)

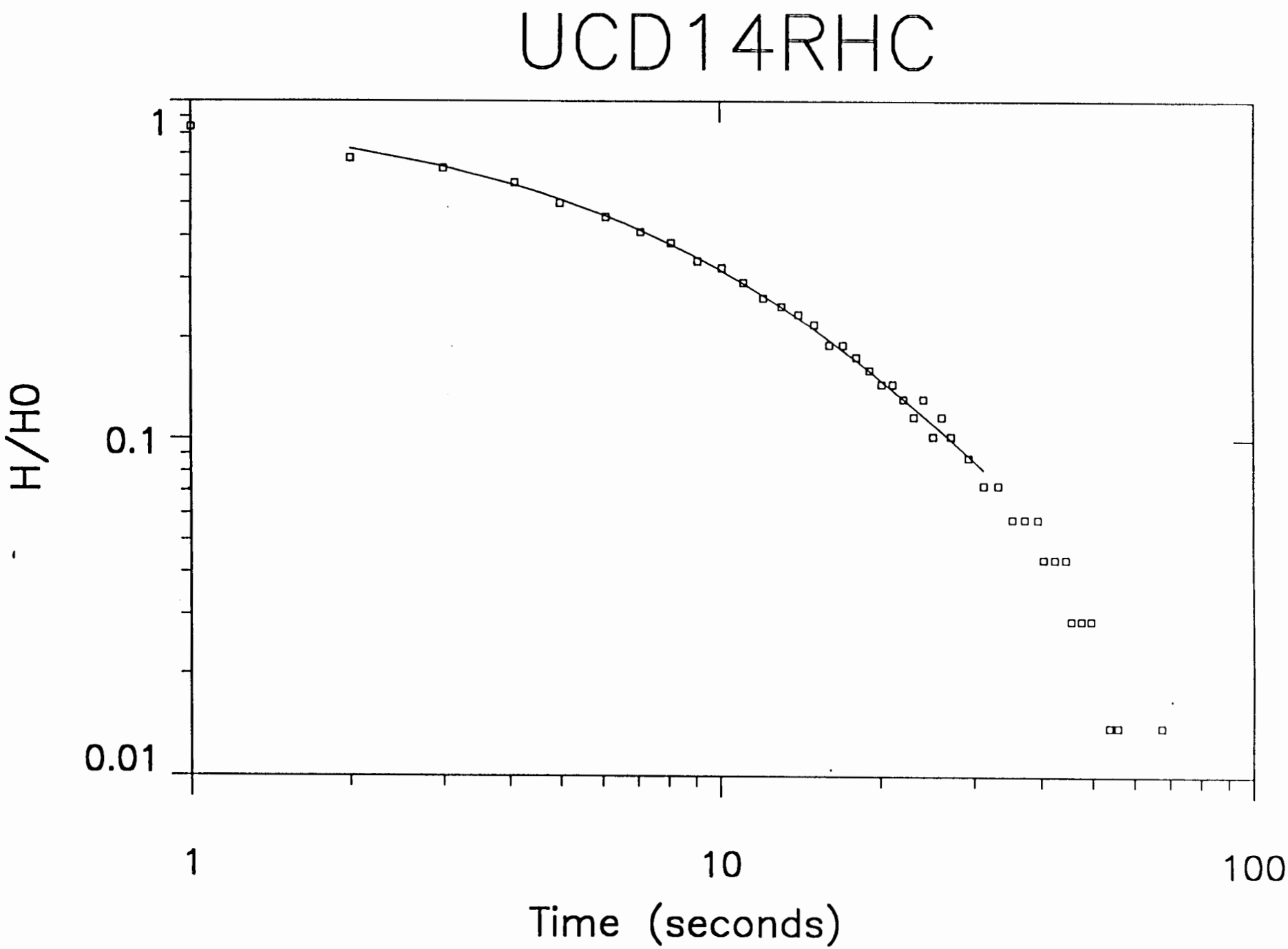
UCD16RH2



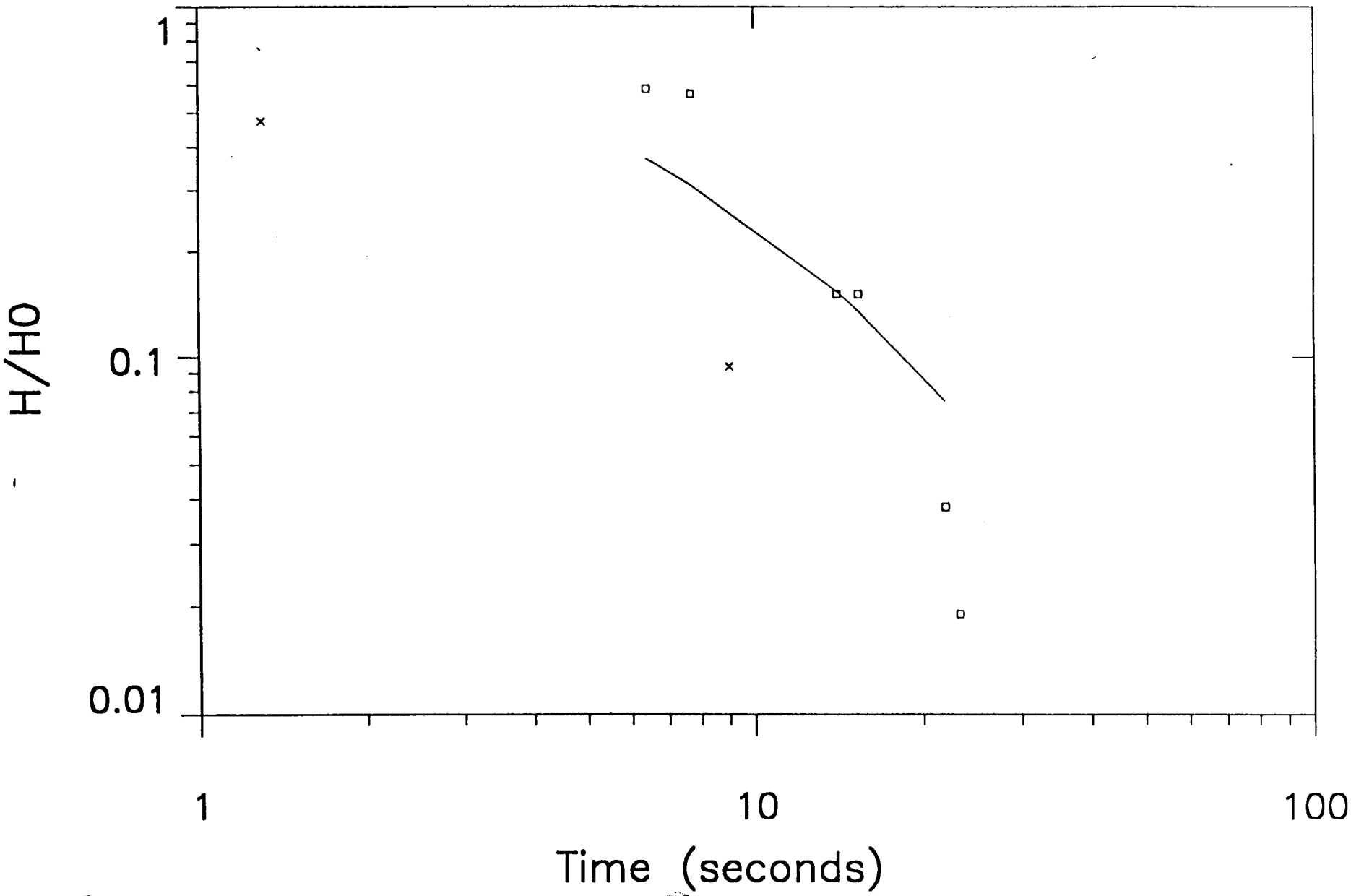

UCD16FH2
1
0.1
0.01
Head (feet)
0
5
10
15
20
25
30
Time (seconds)

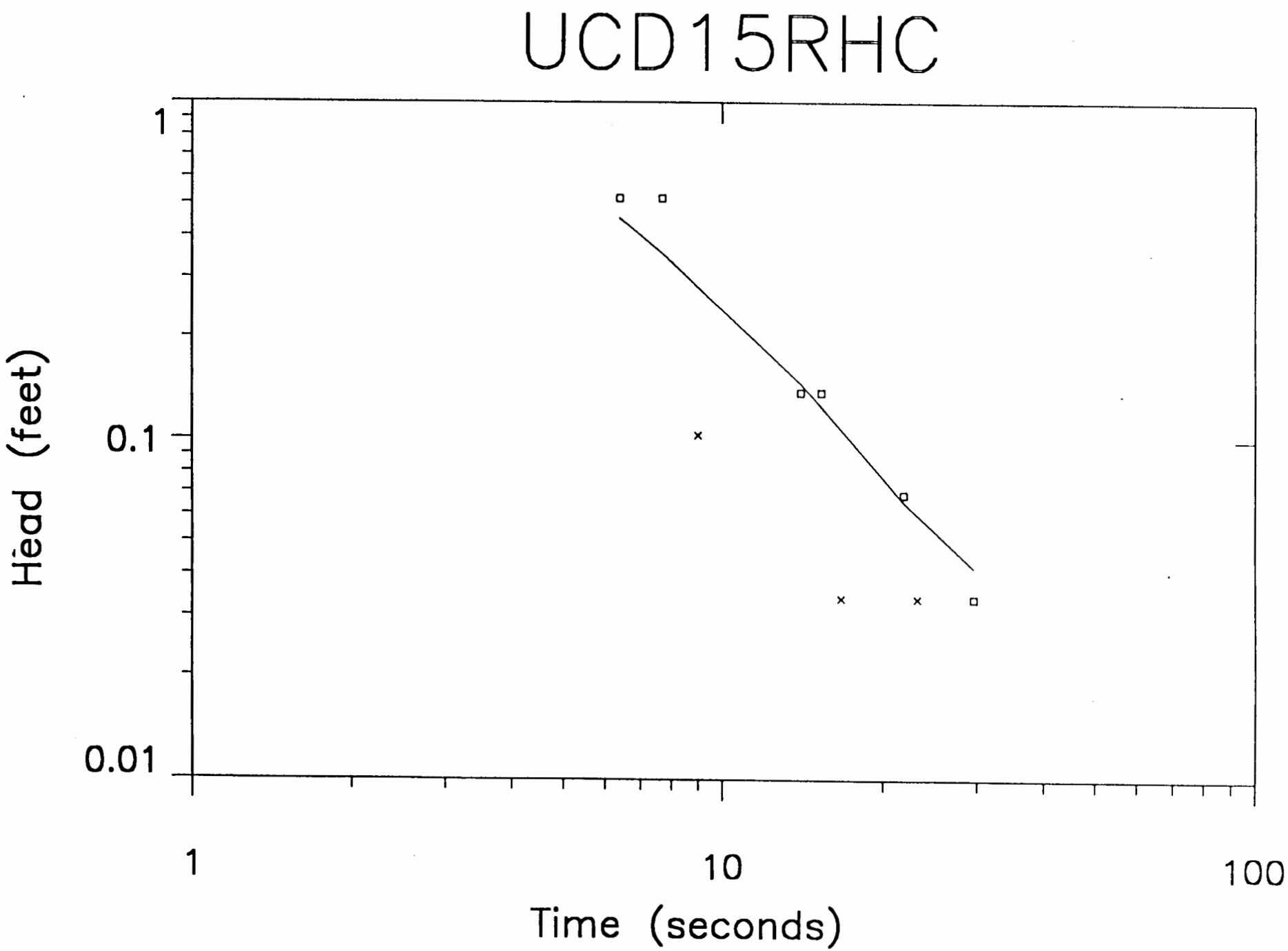
UCD14FHC



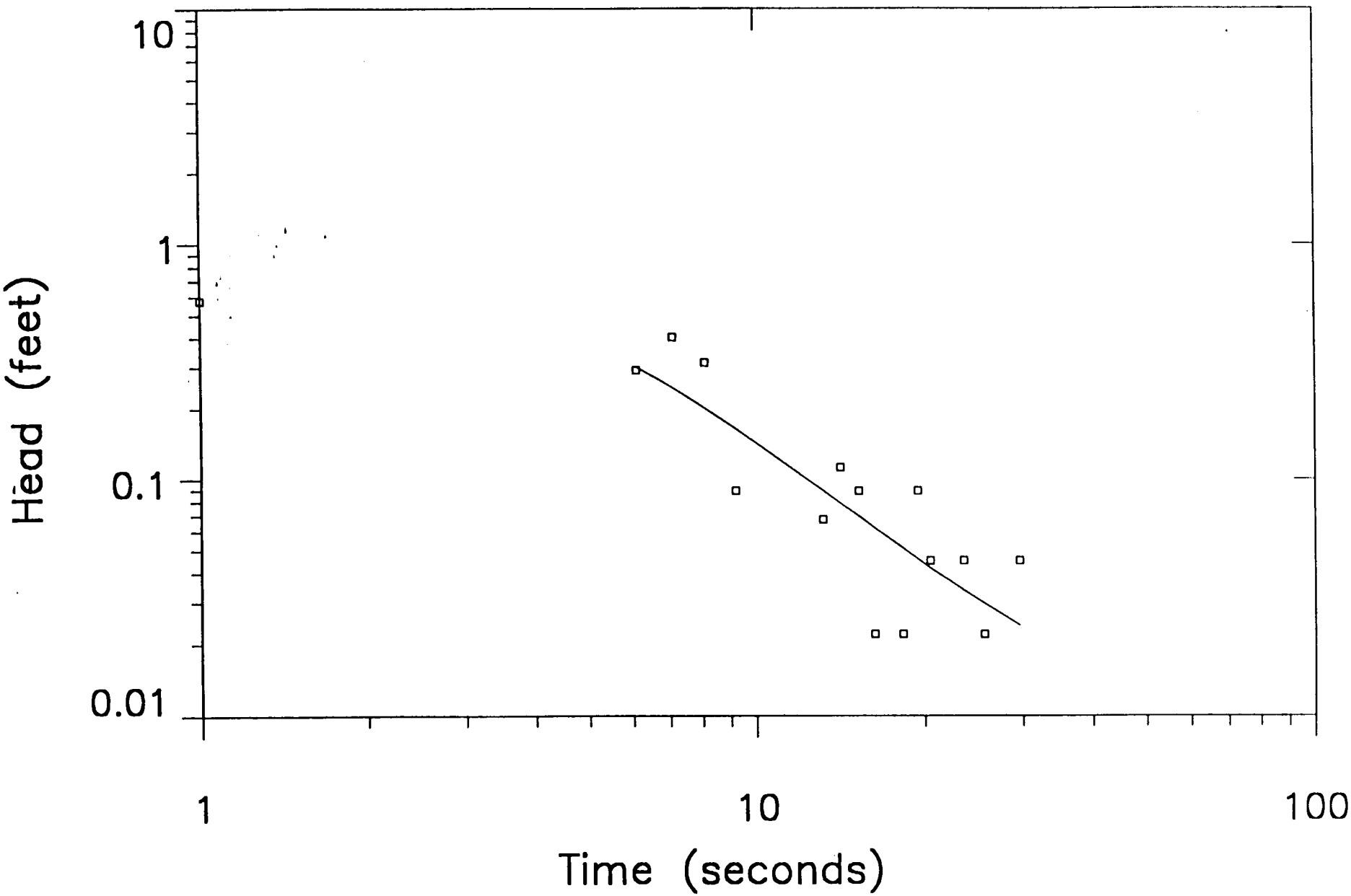

UCD14RHC
1
0.1
0.01
H/HO
1
10
100
Time (seconds)

UCD15FHC

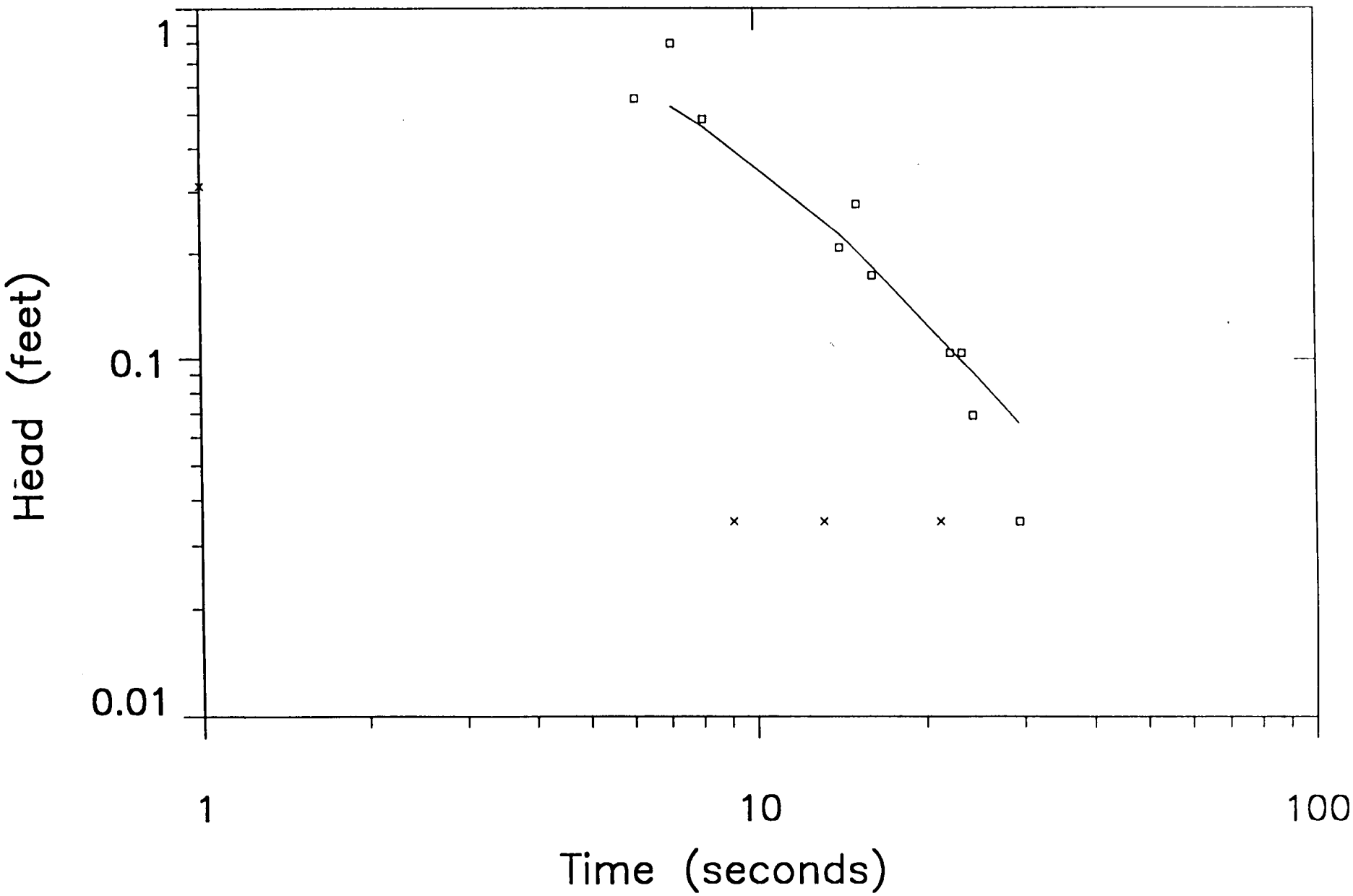



UCD15RHC
1
0.1
0.01
Head (feet)
1
10
100
Time (seconds)

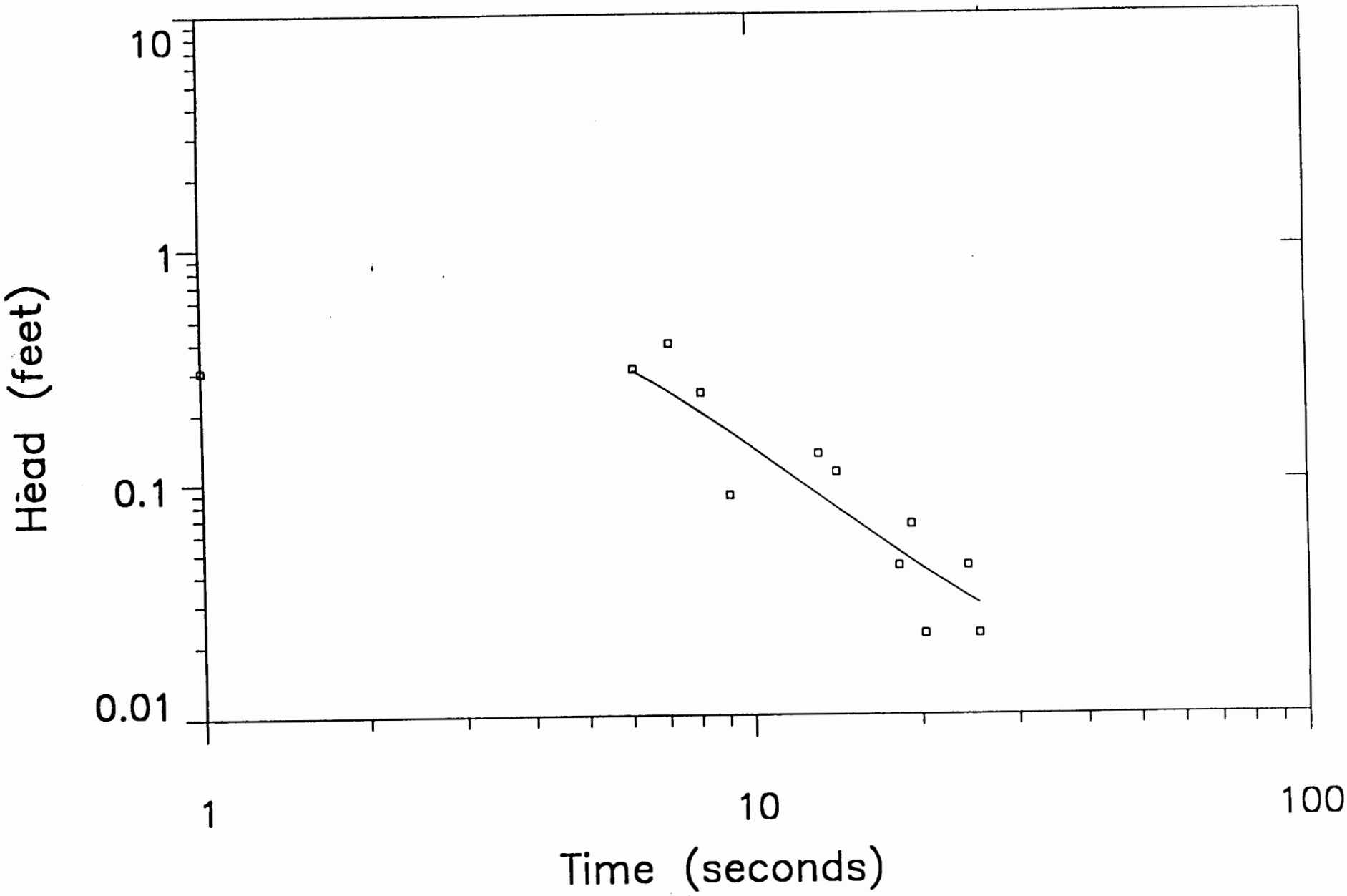
UCD16FHC



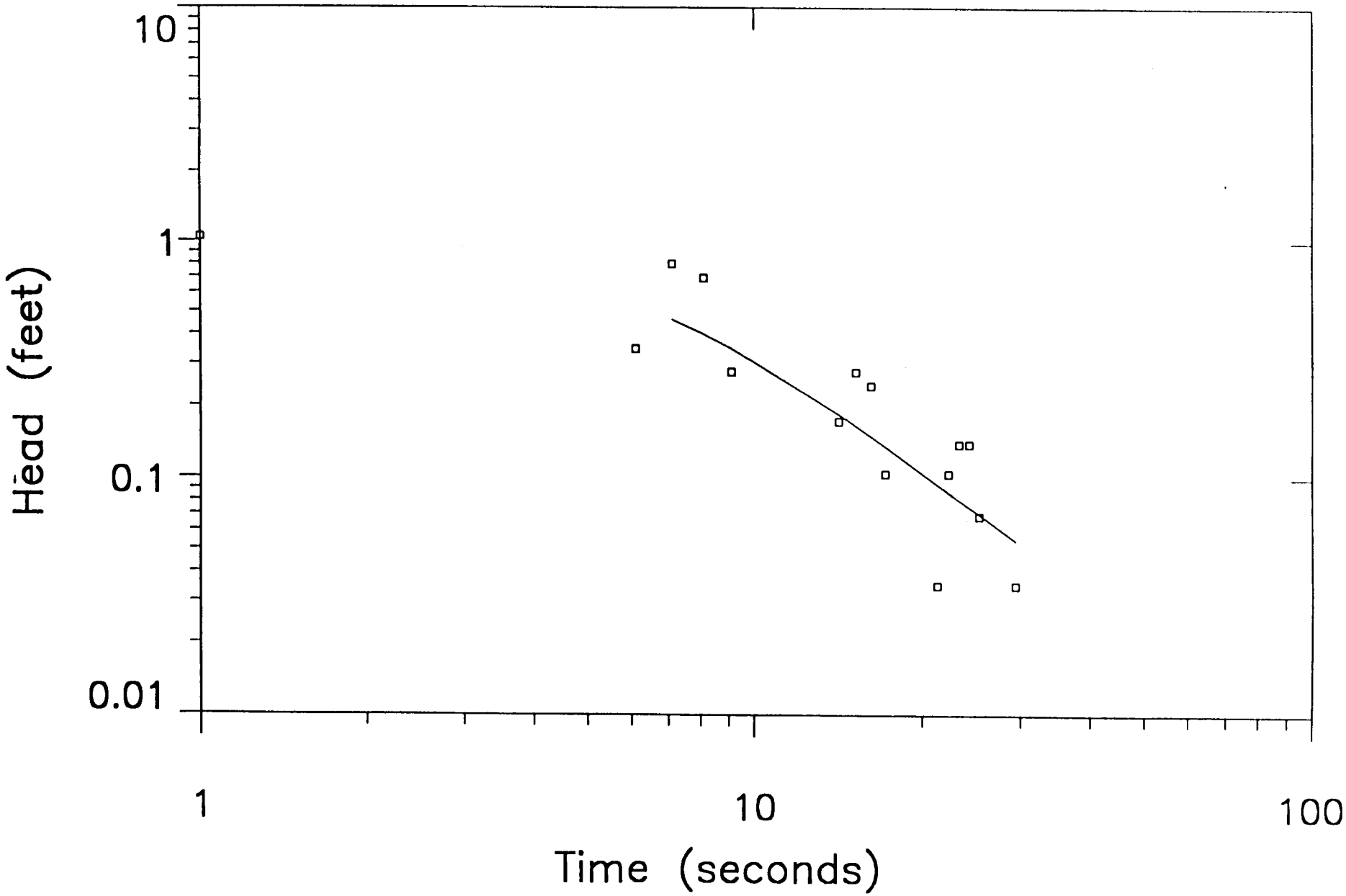
UCD16RHC



UC16FH2C



UC16RH2C



APPENDIX L

GROUNDWATER MODELING INPUT PARAMETERS AND OUTPUT PHASE II SITE CHARACTERIZATION LEHR ENVIRONMENTAL RESTORATION

APPENDIX L

GROUNDWATER MODELING INPUT PARAMETERS AND OUTPUT PHASE II SITE CHARACTERIZATION LEHR ENVIRONMENTAL RESTORATION

This appendix presents the input parameters and output files for three groundwater modeling simulations. Details of the modeling methods are described in Appendix A, water levels used to calibrate the model are presented in Appendix D, and slug test results used to evaluate aquifer parameters are presented in Appendix K. The groundwater modeling data is presented in the following sections.

Section 1 includes input files for: 1) one year simulation with 12 time steps using MODFLOW (McDonald and Harbaugh, 1988); and 2) the first 10 years of a 20 year simulation using MODFLOW. The output from this simulation is used to start the next 10 year simulation. Subsequent simulations are conducted until 20 years is modeled. The output from this simulation is used to start the next 10 year simulation. Subsequent simulations are conducted until 20 years is covered.

Section 2 contains output files for: 1) one year simulation using MODFLOW with head values printed every month; and 2) the first 10 years of a 20 year simulation using MODFLOW with head values printed at the end of the 10 year simulation.

APPENDIX L
SECTION 1

MODFLOW INPUT PARAMETERS

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

MODFLOW INPUT FILES
FOR
ONE-YEAR CALIBRATION RUN

INPUT FILES: DOE5T.BAS
DOE7T.BCF
DOE7T.WEL
DOE7T.RIV
DOE7T.RCH
DOE5T.GHB
DOE1.SIP
DOE2T.OC

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

INPUT FILES FOR MODFLOW
One Year Calibration

MODFLOW INPUT FILE: DOE5T.BAS, BASIC INPUT, ONE YEAR SIMULATION

```
MODFLOW INPUT, ONE YEAR, 12 TIME STEPS, EACH 30 DAYS LONG
THREE STRESS PERIODS,
        2        47        54        3        1
 11 12  0 14  0  0 17 18 19  0  0 22  0  0  0  0  0  0  0
        0        0
        0        1(25I3)                          0
        0        1(25I3)                          0
9.9999e+02
        0-6.000e+00(10E12.4)                      0
        0-6.000e+00(10E12.4)                      0
12960000.0       5    1.0000
10368000.0       4    1.0000
 7776000.0       3    1.0000
```

BLOCK CENTERED FLOW INPUT: DOE7T.BCF, INPUT CONTAINING VALUES OF K, S, BOTTOM ELEVATIONS, AND LEAKANCE

```
        0        0
 1 0
       11     1.000(20F4.1)                    -1
 1.0 1.0
       11     1.000(10E12.4)                   -1
 4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02  2.0000e+02  2.0000e+02
 2.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02
 1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02
 1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02
 1.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02
 4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02
       11     1.000(10E12.4)                   -1
 4.0000e+02  4.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02
 1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02
 1.0000e+02  1.0000e+02  1.0000e+02  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01
 5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  1.0000e+02  1.0000e+02  2.0000e+02
 2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  4.0000e+02
        02.0000e-01(10E12.4)                   -1
       11     1.000(10E12.4)                   -1
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
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 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
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```

2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	3.0000e-05	3.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	3.0000e-05	3.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05
4.0000e-05	4.0000e-05	7.0000e-06	7.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05
4.0000e-05	4.0000e-05	7.0000e-06	7.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05

2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	3.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05
4.0000e-05	4.0000e-05	7.0000e-06	7.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	1.0000e-06	1.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	1.0000e-06	1.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	1.0000e-06	1.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05

2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05

```
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
      0   -50.000(10E12.4)                    -1
      01.0000e-07(10E12.4)                    -1
      01.0000e-03(10E12.4)                    -1
      0     0.250(10E12.4)                    -1
```

EXTRACTION WELL INPUT: DOE7T.WEL

```
     21        0
      0
     21
      2        2        3     -8.89
      2        4        3     -8.89
      2        6        3     -8.89
      2        8        3     -8.89
      2       37        3     -8.89
      2       41        3     -8.89
      2       43        3     -8.89
      2       45        3     -8.89
      2        2       51     -5.57
      2        4       51     -5.57
      2        6       51     -5.57
      2        8       51     -5.57
      2       10       51     -5.57
      2       14       51     -5.57
      2       18       51     -5.57
      2       22       51     -5.57
      2       29       51     -5.57
      2       37       51     -5.57
      2       41       51     -5.57
      2       43       51     -5.57
      2       45       51     -5.57
      0
```

STREAM RECHARGE INPUT: DOE7T.RIV

49	0				
49					
1	21	7	24.0	0.0125	20.0
1	21	8	24.0	0.0125	20.0
1	22	9	24.0	0.0031	20.0
1	23	9	24.0	0.0063	20.0
1	24	9	24.0	0.0031	20.0
1	25	10	24.0	0.0063	20.0
1	26	10	24.0	0.0063	20.0
1	26	11	24.0	0.0063	20.0
1	25	12	24.0	0.0031	20.0
1	25	13	24.0	0.0031	20.0
1	25	14	24.0	0.0031	20.0
1	25	15	24.0	0.0031	20.0
1	25	16	24.0	0.0031	20.0
1	25	17	24.0	0.0031	20.0
1	25	18	24.0	0.0031	20.0
1	25	19	24.0	0.0031	20.0
1	25	20	24.0	0.0031	20.0
1	26	21	24.0	0.0031	20.0
1	26	22	24.0	0.0031	20.0
1	26	23	24.0	0.0031	20.0
1	27	24	24.0	0.0031	20.0
1	27	25	24.0	0.0031	20.0
1	27	26	24.0	0.0031	20.0
1	28	27	24.0	0.0031	20.0
1	28	28	24.0	0.0031	20.0
1	28	29	24.0	0.0031	20.0
1	29	30	24.0	0.0031	20.0
1	29	31	24.0	0.0031	20.0
1	29	32	24.0	0.0031	20.0
1	30	33	24.0	0.0031	20.0
1	30	34	24.0	0.0031	20.0
1	30	35	24.0	0.0031	20.0
1	31	36	24.0	0.0031	20.0
1	31	37	24.0	0.0031	20.0
1	31	38	24.0	0.0031	20.0
1	32	39	24.0	0.0031	20.0
1	32	40	24.0	0.0031	20.0
1	33	41	24.0	0.0031	20.0
1	33	42	24.0	0.0063	20.0
1	34	43	24.0	0.0063	20.0
1	35	44	24.0	0.0063	20.0
1	36	45	24.0	0.0063	20.0
1	36	46	24.0	0.0063	20.0
1	37	47	24.0	0.0063	20.0
1	38	48	24.0	0.0125	20.0
1	38	49	24.0	0.0125	20.0
1	39	50	24.0	0.0125	20.0
1	39	51	24.0	0.0125	20.0
1	40	52	24.0	0.0125	20.0
-1					
-1					

RECHARGE: DOE7T.RCH, ASSUMES 50% INFILTRATION

1	0
1	0
0	4.2e-7
1	0
0	4.9e-8
1	0
0	2.8e-9

GENERAL HEAD BOUNDARY INPUT: DOE5T.GHB

188	0			
188				
1	1	1	16.0	0.24
1	2	1	16.0	0.12
1	3	1	16.0	0.12
1	4	1	16.0	0.12
1	5	1	16.0	0.12
1	6	1	16.0	0.12
1	7	1	16.0	0.12
1	8	1	16.0	0.12
1	9	1	16.0	0.12
1	10	1	16.0	0.06
1	11	1	16.0	0.06
1	12	1	16.0	0.06
1	13	1	16.0	0.06
1	14	1	16.0	0.06
1	15	1	16.0	0.06
1	16	1	16.0	0.06
1	17	1	16.0	0.06
1	18	1	16.0	0.06
1	19	1	16.0	0.06
1	20	1	16.0	0.06
1	21	1	16.0	0.06
1	22	1	16.0	0.06
1	23	1	16.0	0.03
1	24	1	16.0	0.03
1	25	1	16.0	0.03
1	26	1	16.0	0.03
1	27	1	16.0	0.03
1	28	1	16.0	0.03
1	29	1	16.0	0.03
1	30	1	16.0	0.03
1	31	1	16.0	0.03
1	32	1	16.0	0.03
1	33	1	16.0	0.03
1	34	1	16.0	0.03
1	35	1	16.0	0.03
1	36	1	16.0	0.03
1	37	1	16.0	0.06
1	38	1	16.0	0.06
1	39	1	16.0	0.12
1	40	1	16.0	0.12
1	41	1	16.0	0.12
1	42	1	16.0	0.12
1	43	1	16.0	0.12
1	44	1	16.0	0.12
1	45	1	16.0	0.12
1	46	1	16.0	0.24
1	47	1	16.0	0.24
1	1	54	2.0	0.24
1	2	54	2.0	0.12
1	3	54	2.0	0.12
1	4	54	2.0	0.12
1	5	54	2.0	0.12
1	6	54	2.0	0.12
1	7	54	2.0	0.12
1	8	54	2.0	0.12

1	9	54	2.0	0.12
1	10	54	2.0	0.06
1	11	54	2.0	0.06
1	12	54	2.0	0.06
1	13	54	2.0	0.06
1	14	54	2.0	0.06
1	15	54	2.0	0.06
1	16	54	2.0	0.06
1	17	54	2.0	0.06
1	18	54	2.0	0.06
1	19	54	2.0	0.06
1	20	54	2.0	0.06
1	21	54	2.0	0.06
1	22	54	2.0	0.06
1	23	54	2.0	0.03
1	24	54	2.0	0.03
1	25	54	2.0	0.03
1	26	54	2.0	0.03
1	27	54	2.0	0.03
1	28	54	2.0	0.03
1	29	54	2.0	0.03
1	30	54	2.0	0.03
1	31	54	2.0	0.03
1	32	54	2.0	0.03
1	33	54	2.0	0.03
1	34	54	2.0	0.03
1	35	54	2.0	0.03
1	36	54	2.0	0.03
1	37	54	2.0	0.06
1	38	54	2.0	0.06
1	39	54	2.0	0.12
1	40	54	2.0	0.12
1	41	54	2.0	0.12
1	42	54	2.0	0.12
1	43	54	2.0	0.12
1	44	54	2.0	0.12
1	45	54	2.0	0.12
1	46	54	2.0	0.24
1	47	54	2.0	0.24
2	1	1	16.0	200
2	2	1	16.0	100
2	3	1	16.0	100
2	4	1	16.0	100
2	5	1	16.0	100
2	6	1	16.0	100
2	7	1	16.0	100
2	8	1	16.0	100
2	9	1	16.0	100
2	10	1	16.0	50
2	11	1	16.0	50
2	12	1	16.0	50
2	13	1	16.0	50
2	14	1	16.0	50
2	15	1	16.0	50
2	16	1	16.0	50
2	17	1	16.0	50
2	18	1	16.0	50
2	19	1	16.0	50
2	20	1	16.0	50
2	21	1	16.0	50
2	22	1	16.0	50
2	23	1	16.0	25
2	24	1	16.0	25
2	25	1	16.0	25
2	26	1	16.0	25
2	27	1	16.0	25
2	28	1	16.0	25
2	29	1	16.0	25
2	30	1	16.0	25
2	31	1	16.0	25
2	32	1	16.0	25
2	33	1	16.0	25

2	34	1	16.0	25
2	35	1	16.0	25
2	36	1	16.0	25
2	37	1	16.0	50
2	38	1	16.0	50
2	39	1	16.0	100
2	40	1	16.0	100
2	41	1	16.0	100
2	42	1	16.0	100
2	43	1	16.0	100
2	44	1	16.0	100
2	45	1	16.0	100
2	46	1	16.0	200
2	47	1	16.0	200
2	1	54	2.0	200
2	2	54	2.0	100
2	3	54	2.0	100
2	4	54	2.0	100
2	5	54	2.0	100
2	6	54	2.0	100
2	7	54	2.0	100
2	8	54	2.0	100
2	9	54	2.0	100
2	10	54	2.0	50
2	11	54	2.0	50
2	12	54	2.0	50
2	13	54	2.0	50
2	14	54	2.0	50
2	15	54	2.0	50
2	16	54	2.0	50
2	17	54	2.0	50
2	18	54	2.0	50
2	19	54	2.0	50
2	20	54	2.0	50
2	21	54	2.0	50
2	22	54	2.0	50
2	23	54	2.0	25
2	24	54	2.0	25
2	25	54	2.0	25
2	26	54	2.0	25
2	27	54	2.0	25
2	28	54	2.0	25
2	29	54	2.0	25
2	30	54	2.0	25
2	31	54	2.0	25
2	32	54	2.0	25
2	33	54	2.0	25
2	34	54	2.0	25
2	35	54	2.0	25
2	36	54	2.0	25
2	37	54	2.0	50
2	38	54	2.0	50
2	39	54	2.0	100
2	40	54	2.0	100
2	41	54	2.0	100
2	42	54	2.0	100
2	43	54	2.0	100
2	44	54	2.0	100
2	45	54	2.0	100
2	46	54	2.0	200
2	47	54	2.0	200
-1				
-1				

SOLUTION SCHEME: DOE1.SIP, STRONGLY IMPLICIT PROCEDURE

```
      100         5
  1.00001.0000e-03         11.0000e+00         1
```

OUTPUT CONTROL: DOE2T.OC, PRINTS HEAD VALUES AT THE END OF EVERY TIME STEP

```
       0         0        30        31
       0         1         0         0
       1         0         1         0
      -1         1         0         0
      -1         1         0         0
      -1         1         0         0
      -1         1         0         0
      -1         1         0         0
      -1         1         0         0
      -1         1         0         0
      -1         1         0         0
      -1         1         0         0
      -1         1         0         0
      -1         1         0         0
```

MODFLOW INPUT FILES
FOR FIRST TEN YEARS OF
TWENTY-YEAR SIMULATION

INPUT FILES: DOE10T1.BAS
DOE10T.BCR
DOE10T.WEL
DOE10T.RIV
DOE10T.RCH
DOE10T.GHB
DOE1.SP
DOETOT1.OC

SAMPLE INPUT FILES FOR MODFLOW
First 10 Years of a 20 Year Simulation

DOE10T1.BAS INPUT FILE: DOE10T1.BAS, READS UNFORMATED HEAD FILES ON UNIT 31

```
MODFLOW MODEL, DOE LEHR, 2 LAYERS, 10 YEAR SIMULATION
20 STRESS PERIODS EACH 6 MONTHS LONG, CONTINUATION OF PREVIOUS RUN
         2        47        54        20         1
 11 12  0 14  0  0 17 18 19  0  0 22  0  0  0  0  0  0  0  0  0 23
         0         0
         0         1(2513)                          0
         0         1(2513)                          0
9.9999e+02
        31       1.0(10E12.4)                       0
        31       1.0(10E12.4)                       0
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
15768000.0         1     1.0000
```

BLOCK CENTERED FLOW FILE: DOE10T.BCF, SPECIFIES VALUES OF K, S, BOTTOM ELEVATION, AND LEAKANCE

```
         0         0
 1 0
        11     1.000(20F4.1)                      -1
 1.0 1.0
        11     1.000(10E12.4)                     -1
 4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02  2.0000e+02  2.0000e+02
 2.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02
 1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02
 1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02
 1.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02
 4.0000e+02  4.0000e+02  4.0000e+02  4.0000e+02
        11     1.000(10E12.4)                     -1
 4.0000e+02  4.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02
 1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02  1.0000e+02
 1.0000e+02  1.0000e+02  1.0000e+02  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01
 5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  5.0000e+01  1.0000e+02  1.0000e+02  2.0000e+02
 2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  2.0000e+02  4.0000e+02
        02.0000e-01(10E12.4)                     -1
        11     1.000(10E12.4)                     -1
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
 2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05  2.0000e-05
```

2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05

2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	3.0000e-05	3.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	3.0000e-05	3.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05
4.0000e-05	4.0000e-05	7.0000e-06	7.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05
4.0000e-05	4.0000e-05	7.0000e-06	7.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	3.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05
4.0000e-05	4.0000e-05	7.0000e-06	7.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	1.0000e-06	1.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	1.0000e-06	1.0000e-06	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	4.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05

2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05

2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
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2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05
2.0000e-05	2.0000e-05	2.0000e-05	2.0000e-05						

```
0   -50.000(10E12.4)                    -1
01.0000e-07(10E12.4)                    -1
01.0000e-03(10E12.4)                    -1
0     0.250(10E12.4)                    -1
```

DISCHARGE WELL INPUT: DOE10T.WEL, 21 "REGIONAL" PUMPING WELLS AND 2 INJECTION WELL (TO SIMULATE THE LEACH FIELDS) OER 10

```
23        0
 2                                   19
 1       16       16    0.0001
 1       16       18   0.00208
21
 2        2        3     -6.69
 2        4        3     -6.69
 2        6        3     -6.69
 2        8        3     -6.66
 2       37        3     -6.69
 2       41        3     -6.69
 2       43        3     -6.69
 2       45        3     -6.69
 2        2       51     -3.34
 2        4       51     -3.34
 2        6       51     -3.34
 2        8       51     -3.34
 2       10       51     -3.34
 2       14       51     -3.34
 2       18       51     -3.34
 2       22       51     -3.34
 2       29       51     -3.34
 2       37       51     -3.34
 2       41       51     -3.34
 2       43       51     -3.34
 2       45       51     -3.34
 2                                   20
 1       16       16    0.0001
 1       16       18   0.00128
21
 2        2        3     -6.69
 2        4        3     -6.69
 2        6        3     -6.69
 2        8        3     -6.66
 2       37        3     -6.69
 2       41        3     -6.69
 2       43        3     -6.69
 2       45        3     -6.69
 2        2       51     -3.34
 2        4       51     -3.34
 2        6       51     -3.34
 2        8       51     -3.34
 2       10       51     -3.34
 2       14       51     -3.34
 2       18       51     -3.34
 2       22       51     -3.34
 2       29       51     -3.34
 2       37       51     -3.34
 2       41       51     -3.34
 2       43       51     -3.34
 2       45       51     -3.34
 2                                   21
 1       16       16    0.0001
 1       16       18   0.00151
21
 2        2        3     -6.69
 2        4        3     -6.69
 2        6        3     -6.69
 2        8        3     -6.66
 2       37        3     -6.69
 2       41        3     -6.69
 2       43        3     -6.69
 2       45        3     -6.69
 2        2       51     -3.34
 2        4       51     -3.34
 2        6       51     -3.34
 2        8       51     -3.34
 2       10       51     -3.34
 2       14       51     -3.34
```

2	18	51	-3.34
2	22	51	-3.34
2	29	51	-3.34
2	37	51	-3.34
2	41	51	-3.34
2	43	51	-3.34
2	45	51	-3.34
2			

22

1	16	16	0.0001
1	16	18	0.00163
21			
2	2	3	-6.69
2	4	3	-6.69
2	6	3	-6.69
2	8	3	-6.66
2	37	3	-6.69
2	41	3	-6.69
2	43	3	-6.69
2	45	3	-6.69
2	2	51	-3.34
2	4	51	-3.34
2	6	51	-3.34
2	8	51	-3.34
2	10	51	-3.34
2	14	51	-3.34
2	18	51	-3.34
2	22	51	-3.34
2	29	51	-3.34
2	37	51	-3.34
2	41	51	-3.34
2	43	51	-3.34
2	45	51	-3.34
2			

23

1	16	16	0.0001
1	16	18	0.00163
21			
2	2	3	-6.69
2	4	3	-6.69
2	6	3	-6.69
2	8	3	-6.66
2	37	3	-6.69
2	41	3	-6.69
2	43	3	-6.69
2	45	3	-6.69
2	2	51	-3.34
2	4	51	-3.34
2	6	51	-3.34
2	8	51	-3.34
2	10	51	-3.34
2	14	51	-3.34
2	18	51	-3.34
2	22	51	-3.34
2	29	51	-3.34
2	37	51	-3.34
2	41	51	-3.34
2	43	51	-3.34
2	45	51	-3.34
2			

24

1	16	16	0.0001
1	16	18	0.00163
21			
2	2	3	-6.69
2	4	3	-6.69
2	6	3	-6.69
2	8	3	-6.66
2	37	3	-6.69
2	41	3	-6.69
2	43	3	-6.69
2	45	3	-6.69
2	2	51	-3.34
2	4	51	-3.34
2	6	51	-3.34

```
2        8        51      -3.34
2       10        51      -3.34
2       14        51      -3.34
2       18        51      -3.34
2       22        51      -3.34
2       29        51      -3.34
2       37        51      -3.34
2       41        51      -3.34
2       43        51      -3.34
2       45        51      -3.34
2                                    25
1       16        16     0.0001
1       16        18    0.00154
21
2        2         3      -6.69
2        4         3      -6.69
2        6         3      -6.69
2        8         3      -6.66
2       37         3      -6.69
2       41         3      -6.69
2       43         3      -6.69
2       45         3      -6.69
2        2        51      -3.34
2        4        51      -3.34
2        6        51      -3.34
2        8        51      -3.34
2       10        51      -3.34
2       14        51      -3.34
2       18        51      -3.34
2       22        51      -3.34
2       29        51      -3.34
2       37        51      -3.34
2       41        51      -3.34
2       43        51      -3.34
2       45        51      -3.34
2                                    26
1       16        16     0.0001
1       16        18    0.00146
21
2        2         3      -6.69
2        4         3      -6.69
2        6         3      -6.69
2        8         3      -6.66
2       37         3      -6.69
2       41         3      -6.69
2       43         3      -6.69
2       45         3      -6.69
2        2        51      -3.34
2        4        51      -3.34
2        6        51      -3.34
2        8        51      -3.34
2       10        51      -3.34
2       14        51      -3.34
2       18        51      -3.34
2       22        51      -3.34
2       29        51      -3.34
2       37        51      -3.34
2       41        51      -3.34
2       43        51      -3.34
2       45        51      -3.34
2                                    27
1       16        16     0.0001
1       16        18    0.00137
21
2        2         3      -6.69
2        4         3      -6.69
2        6         3      -6.69
2        8         3      -6.66
2       37         3      -6.69
2       41         3      -6.69
2       43         3      -6.69
2       45         3      -6.69
```

2	2	51	-3.34	
2	4	51	-3.34	
2	6	51	-3.34	
2	8	51	-3.34	
2	10	51	-3.34	
2	14	51	-3.34	
2	18	51	-3.34	
2	22	51	-3.34	
2	29	51	-3.34	
2	37	51	-3.34	
2	41	51	-3.34	
2	43	51	-3.34	
2	45	51	-3.34	
2				28
1	16	16	0.0001	
1	16	18	0.00110	
21				
2	2	3	-6.69	
2	4	3	-6.69	
2	6	3	-6.69	
2	8	3	-6.66	
2	37	3	-6.69	
2	41	3	-6.69	
2	43	3	-6.69	
2	45	3	-6.69	
2	2	51	-3.34	
2	4	51	-3.34	
2	6	51	-3.34	
2	8	51	-3.34	
2	10	51	-3.34	
2	14	51	-3.34	
2	18	51	-3.34	
2	22	51	-3.34	
2	29	51	-3.34	
2	37	51	-3.34	
2	41	51	-3.34	
2	43	51	-3.34	
2	45	51	-3.34	

STREAM RECHARGE INPUT: DOE10T.RIV, INFILTRATION FROM PUTAH CREEK

```
49        0
49
 1       21        7     24.0    0.0125     20.0
 1       21        8     24.0    0.0125     20.0
 1       22        9     24.0    0.0031     20.0
 1       23        9     24.0    0.0063     20.0
 1       24        9     24.0    0.0031     20.0
 1       25       10     24.0    0.0063     20.0
 1       26       10     24.0    0.0063     20.0
 1       26       11     24.0    0.0063     20.0
 1       25       12     24.0    0.0031     20.0
 1       25       13     24.0    0.0031     20.0
 1       25       14     24.0    0.0031     20.0
 1       25       15     24.0    0.0031     20.0
 1       25       16     24.0    0.0031     20.0
 1       25       17     24.0    0.0031     20.0
 1       25       18     24.0    0.0031     20.0
 1       25       19     24.0    0.0031     20.0
 1       25       20     24.0    0.0031     20.0
 1       26       21     24.0    0.0031     20.0
 1       26       22     24.0    0.0031     20.0
 1       26       23     24.0    0.0031     20.0
 1       27       24     24.0    0.0031     20.0
 1       27       25     24.0    0.0031     20.0
 1       27       26     24.0    0.0031     20.0
 1       28       27     24.0    0.0031     20.0
 1       28       28     24.0    0.0031     20.0
 1       28       29     24.0    0.0031     20.0
 1       29       30     24.0    0.0031     20.0
 1       29       31     24.0    0.0031     20.0
 1       29       32     24.0    0.0031     20.0
 1       30       33     24.0    0.0031     20.0
 1       30       34     24.0    0.0031     20.0
 1       30       35     24.0    0.0031     20.0
 1       31       36     24.0    0.0031     20.0
 1       31       37     24.0    0.0031     20.0
 1       31       38     24.0    0.0031     20.0
 1       32       39     24.0    0.0031     20.0
 1       32       40     24.0    0.0031     20.0
 1       33       41     24.0    0.0031     20.0
 1       33       42     24.0    0.0063     20.0
 1       34       43     24.0    0.0063     20.0
 1       35       44     24.0    0.0063     20.0
 1       36       45     24.0    0.0063     20.0
 1       36       46     24.0    0.0063     20.0
 1       37       47     24.0    0.0063     20.0
 1       38       48     24.0    0.0125     20.0
 1       38       49     24.0    0.0125     20.0
 1       39       50     24.0    0.0125     20.0
 1       39       51     24.0    0.0125     20.0
 1       40       52     24.0    0.0125     20.0
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
```

RECHARGE INPUT: DOE10T.RCH, NINE INCHES INFILTRATES EVERY SIX MONTHS

```
1          0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
1          0
04.7500e-08(10E12.4)                    0
1          0
0         0.(10E12.4)                   0
```

GENERAL HEAD BOUNDARY INPUT: DOE10T.GHB, FOR 20 STRESS PERIODS (10 YEARS)

188	0			
188				
1	1	1	16.0	0.24
1	2	1	16.0	0.12
1	3	1	16.0	0.12
1	4	1	16.0	0.12
1	5	1	16.0	0.12
1	6	1	16.0	0.12
1	7	1	16.0	0.12
1	8	1	16.0	0.12
1	9	1	16.0	0.12
1	10	1	16.0	0.06
1	11	1	16.0	0.06
1	12	1	16.0	0.06
1	13	1	16.0	0.06
1	14	1	16.0	0.06
1	15	1	16.0	0.06
1	16	1	16.0	0.06
1	17	1	16.0	0.06
1	18	1	16.0	0.06
1	19	1	16.0	0.06
1	20	1	16.0	0.06
1	21	1	16.0	0.06
1	22	1	16.0	0.06
1	23	1	16.0	0.03
1	24	1	16.0	0.03
1	25	1	16.0	0.03
1	26	1	16.0	0.03
1	27	1	16.0	0.03
1	28	1	16.0	0.03
1	29	1	16.0	0.03
1	30	1	16.0	0.03
1	31	1	16.0	0.03
1	32	1	16.0	0.03
1	33	1	16.0	0.03
1	34	1	16.0	0.03
1	35	1	16.0	0.03
1	36	1	16.0	0.03
1	37	1	16.0	0.06
1	38	1	16.0	0.06
1	39	1	16.0	0.12
1	40	1	16.0	0.12
1	41	1	16.0	0.12
1	42	1	16.0	0.12
1	43	1	16.0	0.12
1	44	1	16.0	0.12
1	45	1	16.0	0.12
1	46	1	16.0	0.24
1	47	1	16.0	0.24
1	1	54	2.0	0.24
1	2	54	2.0	0.12
1	3	54	2.0	0.12
1	4	54	2.0	0.12
1	5	54	2.0	0.12
1	6	54	2.0	0.12
1	7	54	2.0	0.12
1	8	54	2.0	0.12
1	9	54	2.0	0.12
1	10	54	2.0	0.06
1	11	54	2.0	0.06
1	12	54	2.0	0.06
1	13	54	2.0	0.06
1	14	54	2.0	0.06
1	15	54	2.0	0.06
1	16	54	2.0	0.06
1	17	54	2.0	0.06
1	18	54	2.0	0.06
1	19	54	2.0	0.06
1	20	54	2.0	0.06

1	21	54	2.0	0.06
1	22	54	2.0	0.06
1	23	54	2.0	0.03
1	24	54	2.0	0.03
1	25	54	2.0	0.03
1	26	54	2.0	0.03
1	27	54	2.0	0.03
1	28	54	2.0	0.03
1	29	54	2.0	0.03
1	30	54	2.0	0.03
1	31	54	2.0	0.03
1	32	54	2.0	0.03
1	33	54	2.0	0.03
1	34	54	2.0	0.03
1	35	54	2.0	0.03
1	36	54	2.0	0.03
1	37	54	2.0	0.06
1	38	54	2.0	0.06
1	39	54	2.0	0.12
1	40	54	2.0	0.12
1	41	54	2.0	0.12
1	42	54	2.0	0.12
1	43	54	2.0	0.12
1	44	54	2.0	0.12
1	45	54	2.0	0.12
1	46	54	2.0	0.24
1	47	54	2.0	0.24
2	1	1	16.0	200
2	2	1	16.0	100
2	3	1	16.0	100
2	4	1	16.0	100
2	5	1	16.0	100
2	6	1	16.0	100
2	7	1	16.0	100
2	8	1	16.0	100
2	9	1	16.0	100
2	10	1	16.0	50
2	11	1	16.0	50
2	12	1	16.0	50
2	13	1	16.0	50
2	14	1	16.0	50
2	15	1	16.0	50
2	16	1	16.0	50
2	17	1	16.0	50
2	18	1	16.0	50
2	19	1	16.0	50
2	20	1	16.0	50
2	21	1	16.0	50
2	22	1	16.0	50
2	23	1	16.0	25
2	24	1	16.0	25
2	25	1	16.0	25
2	26	1	16.0	25
2	27	1	16.0	25
2	28	1	16.0	25
2	29	1	16.0	25
2	30	1	16.0	25
2	31	1	16.0	25
2	32	1	16.0	25
2	33	1	16.0	25
2	34	1	16.0	25
2	35	1	16.0	25
2	36	1	16.0	25
2	37	1	16.0	50
2	38	1	16.0	50
2	39	1	16.0	100
2	40	1	16.0	100
2	41	1	16.0	100
2	42	1	16.0	100
2	43	1	16.0	100
2	44	1	16.0	100
2	45	1	16.0	100

2	46	1	16.0	200
2	47	1	16.0	200
2	1	54	2.0	200
2	2	54	2.0	100
2	3	54	2.0	100
2	4	54	2.0	100
2	5	54	2.0	100
2	6	54	2.0	100
2	7	54	2.0	100
2	8	54	2.0	100
2	9	54	2.0	100
2	10	54	2.0	50
2	11	54	2.0	50
2	12	54	2.0	50
2	13	54	2.0	50
2	14	54	2.0	50
2	15	54	2.0	50
2	16	54	2.0	50
2	17	54	2.0	50
2	18	54	2.0	50
2	19	54	2.0	50
2	20	54	2.0	50
2	21	54	2.0	50
2	22	54	2.0	50
2	23	54	2.0	25
2	24	54	2.0	25
2	25	54	2.0	25
2	26	54	2.0	25
2	27	54	2.0	25
2	28	54	2.0	25
2	29	54	2.0	25
2	30	54	2.0	25
2	31	54	2.0	25
2	32	54	2.0	25
2	33	54	2.0	25
2	34	54	2.0	25
2	35	54	2.0	25
2	36	54	2.0	25
2	37	54	2.0	50
2	38	54	2.0	50
2	39	54	2.0	100
2	40	54	2.0	100
2	41	54	2.0	100
2	42	54	2.0	100
2	43	54	2.0	100
2	44	54	2.0	100
2	45	54	2.0	100
2	46	54	2.0	200
2	47	54	2.0	200
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				
-1				

SOLUTION SCHEME: DOE1.SIP, STRONGLY IMPLICIT PROCEDURE

```
      100         5
  1.00001.0000e-03         11.0000e+00         1
```

OUTPUT CONTROL: DOE10T1.OC, PRINT RESULTS AT THE END OF THE SIMULATION

0	0	31	32
0	1	0	0
0	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
-1	0	0	0
0	1	0	0
1	0	1	0

APPENDIX L
SECTION 2

MODFLOW OUTPUT FILES

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

MODFLOW OUTPUT FILE
FOR
ONE-YEAR CALIBRATION

OUTPUT EVERY 30 DAYS (ONCE PER MONTH)

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

```
1                    U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER MODEL
0Conversion from ModelCad to MODFLOW                                                doeghb
    2 LAYERS        47 ROWS        54 COLUMNS
   3 STRESS PERIOD(S) IN SIMULATION
 MODEL TIME UNIT IS SECONDS
0I/O UNITS:
 ELEMENT OF IUNIT:  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
         I/O UNIT: 11 12  0 14  0  0 17 18 19  0  0 22  0  0  0  0  0  0  0  0  0  0  0  0
0BAS1 -- BASIC MODEL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT  1
 ARRAYS RHS AND BUFF WILL SHARE MEMORY.
 START HEAD WILL NOT BE SAVED -- DRAWDOWN CANNOT BE CALCULATED
    43255 ELEMENTS IN X ARRAY ARE USED BY BAS
    43255 ELEMENTS OF X ARRAY USED OUT OF  517000
0BCF1 -- BLOCK-CENTERED FLOW PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 11
 TRANSIENT SIMULATION
      LAYER  AQUIFER TYPE
      -------------------
         1         1
         2         0
    10154 ELEMENTS IN X ARRAY ARE USED BY BCF
    53409 ELEMENTS OF X ARRAY USED OUT OF  517000
0WEL1 -- WELL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM 12
 MAXIMUM OF   21 WELLS
       84 ELEMENTS IN X ARRAY ARE USED FOR WELLS
    53493 ELEMENTS OF X ARRAY USED OUT OF  517000
0RCH1 -- RECHARGE PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 18
 OPTION 1 -- RECHARGE TO TOP LAYER
     2538 ELEMENTS OF X ARRAY USED FOR RECHARGE
    56031 ELEMENTS OF X ARRAY USED OUT OF  517000
0RIV1 -- RIVER PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 14
 MAXIMUM OF   49 RIVER NODES
      294 ELEMENTS IN X ARRAY ARE USED FOR RIVERS
    56325 ELEMENTS OF X ARRAY USED OUT OF  517000
0GHB1 -- GHB PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 17
 MAXIMUM OF  188 HEAD-DEPENDENT BOUNDARY NODES
      940 ELEMENTS IN X ARRAY ARE USED FOR HEAD-DEPENDENT BOUNDARIES
    57265 ELEMENTS OF X ARRAY USED OUT OF  517000
0SIP1 -- STRONGLY IMPLICIT PROCEDURE SOLUTION PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 19
 MAXIMUM OF 100 ITERATIONS ALLOWED FOR CLOSURE
  5 ITERATION PARAMETERS
    20709 ELEMENTS IN X ARRAY ARE USED BY SIP
    77974 ELEMENTS OF X ARRAY USED OUT OF  517000
1Conversion from ModelCad to MODFLOW                                                doeghb
0                                                          BOUNDARY ARRAY =            1 FOR LAYER  1
0                                                          BOUNDARY ARRAY =            1 FOR LAYER  2
0AQUIFER HEAD WILL BE SET TO  999.99     AT ALL NO-FLOW NODES (IBOUND=0).
0                                                            INITIAL HEAD =  -6.000000     FOR LAYER  1
0                                                            INITIAL HEAD =  -6.000000     FOR LAYER  2
0HEAD PRINT FORMAT IS FORMAT NUMBER   0    DRAWDOWN PRINT FORMAT IS FORMAT NUMBER   0
0HEADS WILL BE SAVED ON UNIT 30    DRAWDOWNS WILL BE SAVED ON UNIT 31
0OUTPUT CONTROL IS SPECIFIED EVERY TIME STEP
0

                          COLUMN TO ROW ANISOTROPY WILL BE READ ON UNIT 11 USING FORMAT: (20F4.1)
                          ------------------------------------------------------------------------

0

                                       DELR WILL BE READ ON UNIT 11 USING FORMAT: (10E12.4)
                          ------------------------------------------------------------------------

0

                                       DELC WILL BE READ ON UNIT 11 USING FORMAT: (10E12.4)
                          ------------------------------------------------------------------------

0                                                PRIMARY STORAGE COEF =  0.2000000     FOR LAYER  1
0
```

```
                    HYD. COND. ALONG ROWS FOR LAYER  1 WILL BE READ ON UNIT 11 USING FORMAT: (10E12.4)
                    ---------------------------------------------------------------------------------------
0                                                   BOTTOM =  -50.00000     FOR LAYER  1
0                                     VERT HYD COND /THICKNESS =  0.1000000E-06 FOR LAYER  1
0                                         PRIMARY STORAGE COEF =  0.1000000E-02 FOR LAYER  2
0                                         TRANSMIS. ALONG ROWS =  0.2500000     FOR LAYER  2
0


                                              SOLUTION BY THE STRONGLY IMPLICIT PROCEDURE
                                              --------------------------------------------
0                                 MAXIMUM ITERATIONS ALLOWED FOR CLOSURE =      100
                                              ACCELERATION PARAMETER =     1.0000
                                     HEAD CHANGE CRITERION FOR CLOSURE =    0.10000E-02
                                     SIP HEAD CHANGE PRINTOUT INTERVAL =        1
0                                    CALCULATE ITERATION PARAMETERS FROM MODEL CALCULATED WSEED
1                                   STRESS PERIOD NO.   1, LENGTH =  0.1296000E+08
                                    ----------------------------------------------

                                    NUMBER OF TIME STEPS =     5

                                     MULTIPLIER FOR DELT =     1.000

                                  INITIAL TIME STEP SIZE =   2592000.
0            0 WELLS
0                                                   RECHARGE =  0.8150000E-08
0
```

49 RIVER REACHES

	LAYER	ROW	COL	STAGE	CONDUCTANCE	BOTTOM ELEVATION	RIVER REACH
0	1	21	7	24.00	0.1250E-01	20.00	1
	1	21	8	24.00	0.1250E-01	20.00	2
	1	22	9	24.00	0.3100E-02	20.00	3
	1	23	9	24.00	0.6300E-02	20.00	4
	1	24	9	24.00	0.3100E-02	20.00	5
	1	25	10	24.00	0.6300E-02	20.00	6
	1	26	10	24.00	0.6300E-02	20.00	7
	1	26	11	24.00	0.6300E-02	20.00	8
	1	25	12	24.00	0.3100E-02	20.00	9
	1	25	13	24.00	0.3100E-02	20.00	10
	1	25	14	24.00	0.3100E-02	20.00	11
	1	25	15	24.00	0.3100E-02	20.00	12
	1	25	16	24.00	0.3100E-02	20.00	13
	1	25	17	24.00	0.3100E-02	20.00	14
	1	25	18	24.00	0.3100E-02	20.00	15
	1	25	19	24.00	0.3100E-02	20.00	16
	1	25	20	24.00	0.3100E-02	20.00	17
	1	26	21	24.00	0.3100E-02	20.00	18
	1	26	22	24.00	0.3100E-02	20.00	19
	1	26	23	24.00	0.3100E-02	20.00	20
	1	27	24	24.00	0.3100E-02	20.00	21
	1	27	25	24.00	0.3100E-02	20.00	22
	1	27	26	24.00	0.3100E-02	20.00	23
	1	28	27	24.00	0.3100E-02	20.00	24
	1	28	28	24.00	0.3100E-02	20.00	25
	1	28	29	24.00	0.3100E-02	20.00	26
	1	29	30	24.00	0.3100E-02	20.00	27
	1	29	31	24.00	0.3100E-02	20.00	28
	1	29	32	24.00	0.3100E-02	20.00	29
	1	30	33	24.00	0.3100E-02	20.00	30
	1	30	34	24.00	0.3100E-02	20.00	31
	1	30	35	24.00	0.3100E-02	20.00	32
	1	31	36	24.00	0.3100E-02	20.00	33
	1	31	37	24.00	0.3100E-02	20.00	34
	1	31	38	24.00	0.3100E-02	20.00	35
	1	32	39	24.00	0.3100E-02	20.00	36
	1	32	40	24.00	0.3100E-02	20.00	37
	1	33	41	24.00	0.3100E-02	20.00	38
	1	33	42	24.00	0.6300E-02	20.00	39
	1	34	43	24.00	0.6300E-02	20.00	40
	1	35	44	24.00	0.6300E-02	20.00	41

1	36	45	24.00	0.6300E-02	20.00	42
1	36	46	24.00	0.6300E-02	20.00	43
1	37	47	24.00	0.6300E-02	20.00	44
1	38	48	24.00	0.1250E-01	20.00	45
1	38	49	24.00	0.1250E-01	20.00	46
1	39	50	24.00	0.1250E-01	20.00	47
1	39	51	24.00	0.1250E-01	20.00	48
1	40	52	24.00	0.1250E-01	20.00	49

0

188 HEAD-DEPENDENT BOUNDARY NODES

0

LAYER	ROW	COL	ELEVATION	CONDUCTANCE	BOUND NO.
1	1	1	16.00	0.2400	1
1	2	1	16.00	0.1200	2
1	3	1	16.00	0.1200	3
1	4	1	16.00	0.1200	4
1	5	1	16.00	0.1200	5
1	6	1	16.00	0.1200	6
1	7	1	16.00	0.1200	7
1	8	1	16.00	0.1200	8
1	9	1	16.00	0.1200	9
1	10	1	16.00	0.6000E-01	10
1	11	1	16.00	0.6000E-01	11
1	12	1	16.00	0.6000E-01	12
1	13	1	16.00	0.6000E-01	13
1	14	1	16.00	0.6000E-01	14
1	15	1	16.00	0.6000E-01	15
1	16	1	16.00	0.6000E-01	16
1	17	1	16.00	0.6000E-01	17
1	18	1	16.00	0.6000E-01	18
1	19	1	16.00	0.6000E-01	19
1	20	1	16.00	0.6000E-01	20
1	21	1	16.00	0.6000E-01	21
1	22	1	16.00	0.6000E-01	22
1	23	1	16.00	0.3000E-01	23
1	24	1	16.00	0.3000E-01	24
1	25	1	16.00	0.3000E-01	25
1	26	1	16.00	0.3000E-01	26
1	27	1	16.00	0.3000E-01	27
1	28	1	16.00	0.3000E-01	28
1	29	1	16.00	0.3000E-01	29
1	30	1	16.00	0.3000E-01	30
1	31	1	16.00	0.3000E-01	31
1	32	1	16.00	0.3000E-01	32
1	33	1	16.00	0.3000E-01	33
1	34	1	16.00	0.3000E-01	34
1	35	1	16.00	0.3000E-01	35
1	36	1	16.00	0.3000E-01	36
1	37	1	16.00	0.6000E-01	37
1	38	1	16.00	0.6000E-01	38
1	39	1	16.00	0.1200	39
1	40	1	16.00	0.1200	40
1	41	1	16.00	0.1200	41
1	42	1	16.00	0.1200	42
1	43	1	16.00	0.1200	43
1	44	1	16.00	0.1200	44
1	45	1	16.00	0.1200	45
1	46	1	16.00	0.2400	46
1	47	1	16.00	0.2400	47
1	1	54	2.000	0.2400	48
1	2	54	2.000	0.1200	49
1	3	54	2.000	0.1200	50
1	4	54	2.000	0.1200	51
1	5	54	2.000	0.1200	52
1	6	54	2.000	0.1200	53
1	7	54	2.000	0.1200	54
1	8	54	2.000	0.1200	55
1	9	54	2.000	0.1200	56
1	10	54	2.000	0.6000E-01	57
1	11	54	2.000	0.6000E-01	58
1	12	54	2.000	0.6000E-01	59

1	13	54	2.000	0.6000E-01	60
1	14	54	2.000	0.6000E-01	61
1	15	54	2.000	0.6000E-01	62
1	16	54	2.000	0.6000E-01	63
1	17	54	2.000	0.6000E-01	64
1	18	54	2.000	0.6000E-01	65
1	19	54	2.000	0.6000E-01	66
1	20	54	2.000	0.6000E-01	67
1	21	54	2.000	0.6000E-01	68
1	22	54	2.000	0.6000E-01	69
1	23	54	2.000	0.3000E-01	70
1	24	54	2.000	0.3000E-01	71
1	25	54	2.000	0.3000E-01	72
1	26	54	2.000	0.3000E-01	73
1	27	54	2.000	0.3000E-01	74
1	28	54	2.000	0.3000E-01	75
1	29	54	2.000	0.3000E-01	76
1	30	54	2.000	0.3000E-01	77
1	31	54	2.000	0.3000E-01	78
1	32	54	2.000	0.3000E-01	79
1	33	54	2.000	0.3000E-01	80
1	34	54	2.000	0.3000E-01	81
1	35	54	2.000	0.3000E-01	82
1	36	54	2.000	0.3000E-01	83
1	37	54	2.000	0.6000E-01	84
1	38	54	2.000	0.6000E-01	85
1	39	54	2.000	0.1200	86
1	40	54	2.000	0.1200	87
1	41	54	2.000	0.1200	88
1	42	54	2.000	0.1200	89
1	43	54	2.000	0.1200	90
1	44	54	2.000	0.1200	91
1	45	54	2.000	0.1200	92
1	46	54	2.000	0.2400	93
1	47	54	2.000	0.2400	94
2	1	1	16.00	200.0	95
2	2	1	16.00	100.0	96
2	3	1	16.00	100.0	97
2	4	1	16.00	100.0	98
2	5	1	16.00	100.0	99
2	6	1	16.00	100.0	100
2	7	1	16.00	100.0	101
2	8	1	16.00	100.0	102
2	9	1	16.00	100.0	103
2	10	1	16.00	50.00	104
2	11	1	16.00	50.00	105
2	12	1	16.00	50.00	106
2	13	1	16.00	50.00	107
2	14	1	16.00	50.00	108
2	15	1	16.00	50.00	109
2	16	1	16.00	50.00	110
2	17	1	16.00	50.00	111
2	18	1	16.00	50.00	112
2	19	1	16.00	50.00	113
2	20	1	16.00	50.00	114
2	21	1	16.00	50.00	115
2	22	1	16.00	50.00	116
2	23	1	16.00	25.00	117
2	24	1	16.00	25.00	118
2	25	1	16.00	25.00	119
2	26	1	16.00	25.00	120
2	27	1	16.00	25.00	121
2	28	1	16.00	25.00	122
2	29	1	16.00	25.00	123
2	30	1	16.00	25.00	124
2	31	1	16.00	25.00	125
2	32	1	16.00	25.00	126
2	33	1	16.00	25.00	127
2	34	1	16.00	25.00	128
2	35	1	16.00	25.00	129
2	36	1	16.00	25.00	130
2	37	1	16.00	50.00	131

```
                2       38       1    16.00          50.00          132
                2       39       1    16.00          100.0          133
                2       40       1    16.00          100.0          134
                2       41       1    16.00          100.0          135
                2       42       1    16.00          100.0          136
                2       43       1    16.00          100.0          137
                2       44       1    16.00          100.0          138
                2       45       1    16.00          100.0          139
                2       46       1    16.00          200.0          140
                2       47       1    16.00          200.0          141
                2        1      54    2.000          200.0          142
                2        2      54    2.000          100.0          143
                2        3      54    2.000          100.0          144
                2        4      54    2.000          100.0          145
                2        5      54    2.000          100.0          146
                2        6      54    2.000          100.0          147
                2        7      54    2.000          100.0          148
                2        8      54    2.000          100.0          149
                2        9      54    2.000          100.0          150
                2       10      54    2.000          50.00          151
                2       11      54    2.000          50.00          152
                2       12      54    2.000          50.00          153
                2       13      54    2.000          50.00          154
                2       14      54    2.000          50.00          155
                2       15      54    2.000          50.00          156
                2       16      54    2.000          50.00          157
                2       17      54    2.000          50.00          158
                2       18      54    2.000          50.00          159
                2       19      54    2.000          50.00          160
                2       20      54    2.000          50.00          161
                2       21      54    2.000          50.00          162
                2       22      54    2.000          50.00          163
                2       23      54    2.000          25.00          164
                2       24      54    2.000          25.00          165
                2       25      54    2.000          25.00          166
                2       26      54    2.000          25.00          167
                2       27      54    2.000          25.00          168
                2       28      54    2.000          25.00          169
                2       29      54    2.000          25.00          170
                2       30      54    2.000          25.00          171
                2       31      54    2.000          25.00          172
                2       32      54    2.000          25.00          173
                2       33      54    2.000          25.00          174
                2       34      54    2.000          25.00          175
                2       35      54    2.000          25.00          176
                2       36      54    2.000          25.00          177
                2       37      54    2.000          50.00          178
                2       38      54    2.000          50.00          179
                2       39      54    2.000          100.0          180
                2       40      54    2.000          100.0          181
                2       41      54    2.000          100.0          182
                2       42      54    2.000          100.0          183
                2       43      54    2.000          100.0          184
                2       44      54    2.000          100.0          185
                2       45      54    2.000          100.0          186
                2       46      54    2.000          200.0          187
                2       47      54    2.000          200.0          188
0AVERAGE SEED = 0.00030829
 MINIMUM SEED = 0.00002034
0
    5 ITERATION PARAMETERS CALCULATED FROM AVERAGE SEED:

          0.0000000E+00  0.8674930E+00  0.9824419E+00  0.9976735E+00  0.9996917E+00
0
    36 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  1
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    21.99      ( 2, 46,  1)  7.194      ( 2,  3,  3)  6.473      ( 2, 37,  4)  4.717      ( 2, 15,  6)  2.761      ( 2, 39,  9
  -0.1500      ( 2, 23,  5) -0.1866     ( 2, 19,  5) -0.2525     ( 2, 17,  5)  0.5503     ( 2, 25, 23)  0.4340     ( 2, 14, 41
   0.3898E-01 ( 1,  9, 18) -0.4688E-01 ( 2,  3, 49) -0.5853E-01 ( 2, 38, 26) -0.1519     ( 2, 26, 32) -0.8285E-01 ( 2, 14, 18
  -0.7520E-02 ( 2,  1, 42) -0.1023E-01 ( 2, 21, 12)  0.1803E-01 ( 2, 24, 28)  0.3766E-01 ( 2, 29, 30)  0.2223E-01 ( 2, 23, 41
```

```
   0.3580E-02 (  1, 20, 23)  0.4364E-02 (  2, 15, 31) -0.7949E-02 (  2, 35, 33)  0.1484E-01 (  2, 23, 24) -0.1325E-01 (  2, 16, 32
   0.1789E-02 (  2, 10, 25) -0.3789E-02 (  2, 21, 24) -0.5147E-02 (  2, 23, 25) -0.8061E-02 (  2, 25, 26)  0.7056E-02 (  2, 24, 25
  -0.1418E-02 (  1, 22, 27) -0.2009E-02 (  2, 17, 32)  0.3038E-02 (  2, 16, 18) -0.4928E-02 (  2, 24, 26) -0.4970E-02 (  2, 16, 19
  -0.7599E-03 (  2, 10, 25)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
0OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:
   HEAD    DRAWDOWN  HEAD  DRAWDOWN
 PRINTOUT  PRINTOUT  SAVE    SAVE
 --------------------------------
     1         0       1       0
1                     HEAD IN LAYER  1 AT END OF TIME STEP  1 IN STRESS PERIOD  1
            ------------------------------------------------------------------
```

	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54						
0 1	14.94	4.938	3.027	1.675	0.5466	-0.4017	-1.197	-1.862	-2.276	-2.528
	-2.756	-2.911	-3.010	-3.103	-3.192	-3.276	-3.356	-3.431	-3.502	-3.569
	-3.633	-3.692	-3.748	-3.800	-3.848	-3.893	-3.935	-3.973	-4.008	-4.040
	-4.069	-4.095	-4.117	-4.137	-4.154	-4.167	-4.178	-4.186	-4.191	-4.193
	-4.192	-4.187	-4.168	-4.138	-4.096	-4.042	-3.974	-3.854	-3.638	-3.359
	-3.011	-2.578	-1.959	1.622						
0 2	14.12	4.907	3.027	1.676	0.5477	-0.4004	-1.195	-1.860	-2.275	-2.526
	-2.754	-2.909	-3.008	-3.101	-3.190	-3.274	-3.354	-3.429	-3.500	-3.567
	-3.630	-3.690	-3.745	-3.798	-3.846	-3.891	-3.933	-3.971	-4.006	-4.038
	-4.067	-4.093	-4.115	-4.135	-4.151	-4.165	-4.176	-4.184	-4.189	-4.191
	-4.191	-4.185	-4.167	-4.137	-4.094	-4.040	-3.973	-3.853	-3.637	-3.358
	-3.010	-2.578	-1.968	1.325						
0 3	14.94	4.937	3.028	1.677	0.5494	-0.3983	-1.193	-1.857	-2.272	-2.523
	-2.751	-2.906	-3.005	-3.098	-3.187	-3.271	-3.350	-3.425	-3.497	-3.564
	-3.627	-3.686	-3.742	-3.794	-3.842	-3.888	-3.929	-3.968	-4.003	-4.035
	-4.063	-4.089	-4.112	-4.132	-4.148	-4.162	-4.173	-4.181	-4.186	-4.188
	-4.188	-4.183	-4.164	-4.134	-4.092	-4.038	-3.971	-3.851	-3.635	-3.357
	-3.009	-2.577	-1.959	1.620						
0 4	14.95	4.940	3.029	1.678	0.5507	-0.3966	-1.191	-1.855	-2.269	-2.521
	-2.749	-2.904	-3.002	-3.095	-3.184	-3.268	-3.347	-3.423	-3.494	-3.561
	-3.624	-3.683	-3.739	-3.791	-3.839	-3.884	-3.926	-3.965	-4.000	-4.032
	-4.061	-4.086	-4.109	-4.129	-4.146	-4.160	-4.171	-4.179	-4.184	-4.186
	-4.186	-4.180	-4.162	-4.132	-4.090	-4.036	-3.969	-3.849	-3.633	-3.356
	-3.008	-2.576	-1.958	1.623						
0 5	14.95	4.941	3.030	1.680	0.5524	-0.3944	-1.188	-1.852	-2.266	-2.518
	-2.746	-2.901	-2.999	-3.092	-3.180	-3.264	-3.344	-3.419	-3.490	-3.557
	-3.620	-3.680	-3.735	-3.787	-3.836	-3.881	-3.923	-3.961	-3.996	-4.028
	-4.057	-4.083	-4.106	-4.126	-4.143	-4.156	-4.167	-4.176	-4.181	-4.183
	-4.183	-4.178	-4.159	-4.129	-4.087	-4.033	-3.967	-3.847	-3.631	-3.354
	-3.006	-2.575	-1.957	1.623						
0 6	14.95	4.941	3.031	1.681	0.5544	-0.3919	-1.185	-1.849	-2.263	-2.514
	-2.742	-2.897	-2.995	-3.088	-3.176	-3.260	-3.340	-3.415	-3.486	-3.553
	-3.616	-3.675	-3.731	-3.783	-3.831	-3.876	-3.918	-3.957	-3.992	-4.024
	-4.053	-4.079	-4.102	-4.122	-4.139	-4.153	-4.164	-4.172	-4.177	-4.180
	-4.179	-4.174	-4.156	-4.126	-4.084	-4.030	-3.964	-3.844	-3.629	-3.352
	-3.005	-2.574	-1.957	1.623						
0 7	14.95	4.942	3.032	1.683	0.5566	-0.3889	-1.182	-1.844	-2.258	-2.509
	-2.737	-2.892	-2.990	-3.083	-3.172	-3.256	-3.335	-3.410	-3.481	-3.548
	-3.611	-3.670	-3.726	-3.778	-3.826	-3.871	-3.913	-3.952	-3.987	-4.019
	-4.048	-4.074	-4.097	-4.117	-4.134	-4.148	-4.160	-4.168	-4.173	-4.176
	-4.175	-4.170	-4.152	-4.122	-4.081	-4.027	-3.960	-3.841	-3.626	-3.350
	-3.003	-2.573	-1.956	1.623						
0 8	14.95	4.942	3.033	1.684	0.5591	-0.3854	-1.177	-1.839	-2.253	-2.504
	-2.732	-2.887	-2.985	-3.078	-3.166	-3.250	-3.329	-3.404	-3.475	-3.542
	-3.605	-3.664	-3.720	-3.772	-3.821	-3.866	-3.907	-3.946	-3.981	-4.014
	-4.043	-4.069	-4.092	-4.112	-4.129	-4.143	-4.155	-4.163	-4.168	-4.171
	-4.171	-4.166	-4.148	-4.118	-4.077	-4.023	-3.957	-3.838	-3.623	-3.347
	-3.001	-2.572	-1.956	1.623						
0 9	14.93	4.939	3.034	1.686	0.5618	-0.3816	-1.172	-1.833	-2.246	-2.497
	-2.725	-2.880	-2.978	-3.072	-3.160	-3.244	-3.323	-3.398	-3.469	-3.536
	-3.599	-3.658	-3.714	-3.766	-3.814	-3.859	-3.901	-3.940	-3.975	-4.007

	-4.037	-4.063	-4.086	-4.106	-4.123	-4.138	-4.149	-4.157	-4.163	-4.166
	-4.165	-4.161	-4.143	-4.113	-4.072	-4.018	-3.952	-3.833	-3.620	-3.344
	-2.999	-2.570	-1.956	1.619						
0 10	14.16	4.917	3.034	1.688	0.5648	-0.3772	-1.166	-1.826	-2.239	-2.490
	-2.718	-2.873	-2.971	-3.064	-3.153	-3.237	-3.316	-3.391	-3.462	-3.529
	-3.592	-3.651	-3.706	-3.758	-3.807	-3.852	-3.894	-3.933	-3.968	-4.000
	-4.030	-4.056	-4.079	-4.100	-4.117	-4.131	-4.143	-4.151	-4.157	-4.159
	-4.159	-4.155	-4.137	-4.108	-4.066	-4.013	-3.947	-3.829	-3.616	-3.341
	-2.996	-2.569	-1.962	1.339						
0 11	14.91	4.937	3.036	1.689	0.5671	-0.3736	-1.161	-1.820	-2.232	-2.483
	-2.711	-2.866	-2.964	-3.058	-3.146	-3.230	-3.310	-3.385	-3.456	-3.523
	-3.586	-3.645	-3.700	-3.752	-3.801	-3.846	-3.888	-3.927	-3.962	-3.995
	-4.024	-4.050	-4.074	-4.094	-4.111	-4.126	-4.137	-4.146	-4.151	-4.154
	-4.154	-4.149	-4.132	-4.103	-4.062	-4.009	-3.943	-3.825	-3.612	-3.338
	-2.994	-2.567	-1.955	1.613						
0 12	14.95	4.942	3.036	1.690	0.5687	-0.3712	-1.157	-1.815	-2.227	-2.478
	-2.706	-2.861	-2.960	-3.053	-3.142	-3.226	-3.305	-3.381	-3.451	-3.518
	-3.581	-3.641	-3.696	-3.748	-3.797	-3.842	-3.884	-3.923	-3.958	-3.991
	-4.020	-4.046	-4.070	-4.090	-4.107	-4.122	-4.133	-4.142	-4.148	-4.150
	-4.150	-4.146	-4.128	-4.099	-4.058	-4.005	-3.940	-3.822	-3.610	-3.336
	-2.992	-2.566	-1.953	1.623						
0 13	14.95	4.943	3.037	1.691	0.5702	-0.3686	-1.153	-1.810	-2.222	-2.473
	-2.701	-2.856	-2.955	-3.048	-3.137	-3.221	-3.301	-3.376	-3.447	-3.514
	-3.577	-3.636	-3.692	-3.744	-3.793	-3.838	-3.880	-3.918	-3.954	-3.986
	-4.016	-4.042	-4.065	-4.086	-4.103	-4.118	-4.129	-4.138	-4.143	-4.146
	-4.146	-4.142	-4.125	-4.096	-4.055	-4.002	-3.937	-3.819	-3.607	-3.333
	-2.990	-2.564	-1.952	1.623						
0 14	14.95	4.944	3.038	1.692	0.5718	-0.3659	-1.149	-1.805	-2.217	-2.467
	-2.695	-2.851	-2.949	-3.043	-3.133	-3.218	-3.297	-3.371	-3.440	-3.507
	-3.571	-3.631	-3.687	-3.740	-3.789	-3.834	-3.875	-3.913	-3.949	-3.982
	-4.011	-4.038	-4.061	-4.081	-4.099	-4.113	-4.125	-4.133	-4.139	-4.142
	-4.142	-4.138	-4.121	-4.092	-4.051	-3.998	-3.933	-3.816	-3.604	-3.331
	-2.988	-2.563	-1.951	1.623						
0 15	14.95	4.944	3.038	1.693	0.5733	-0.3630	-1.143	-1.798	-2.210	-2.461
	-2.689	-2.845	-2.944	-3.039	-3.132	-3.217	-3.295	-3.367	-3.429	-3.497
	-3.563	-3.621	-3.682	-3.736	-3.787	-3.829	-3.870	-3.907	-3.944	-3.977
	-4.006	-4.033	-4.056	-4.077	-4.094	-4.108	-4.120	-4.129	-4.135	-4.138
	-4.138	-4.133	-4.116	-4.088	-4.047	-3.995	-3.930	-3.813	-3.601	-3.328
	-2.986	-2.562	-1.950	1.623						
0 16	14.95	4.945	3.039	1.694	0.5749	-0.3598	-1.133	-1.787	-2.202	-2.454
	-2.683	-2.839	-2.938	-3.033	-3.127	-3.214	-3.291	-3.363	-3.429	-3.493
	-3.553	-3.601	-3.671	-3.737	-3.792	-3.826	-3.864	-3.898	-3.935	-3.971
	-4.001	-4.028	-4.051	-4.072	-4.089	-4.103	-4.115	-4.124	-4.130	-4.133
	-4.133	-4.129	-4.112	-4.083	-4.043	-3.991	-3.926	-3.809	-3.598	-3.326
	-2.984	-2.560	-1.950	1.623						
0 17	14.95	4.945	3.039	1.695	0.5763	-0.3557	-1.111	-1.763	-2.190	-2.446
	-2.676	-2.832	-2.931	-3.026	-3.121	-3.213	-3.287	-3.357	-3.424	-3.488
	-3.547	-3.594	-3.665	-3.732	-3.789	-3.822	-3.859	-3.892	-3.930	-3.966
	-3.996	-4.023	-4.046	-4.066	-4.084	-4.098	-4.110	-4.119	-4.125	-4.128
	-4.128	-4.124	-4.107	-4.079	-4.039	-3.987	-3.922	-3.805	-3.595	-3.323
	-2.982	-2.559	-1.949	1.623						
0 18	14.95	4.945	3.039	1.695	0.5778	-0.3489	-1.043	-1.695	-2.164	-2.434
	-2.667	-2.824	-2.922	-3.015	-3.094	-3.195	-3.294	-3.353	-3.419	-3.483
	-3.540	-3.589	-3.660	-3.729	-3.782	-3.816	-3.853	-3.886	-3.924	-3.960
	-3.991	-4.017	-4.040	-4.061	-4.078	-4.093	-4.104	-4.113	-4.119	-4.122
	-4.123	-4.119	-4.102	-4.074	-4.034	-3.982	-3.918	-3.801	-3.591	-3.320
	-2.979	-2.557	-1.948	1.623						
0 19	14.95	4.945	3.040	1.696	0.5793	-0.3354	-0.8168	-1.466	-2.095	-2.410
	-2.655	-2.813	-2.912	-3.005	-3.093	-3.180	-3.267	-3.339	-3.409	-3.473
	-3.525	-3.604	-3.665	-3.736	-3.770	-3.808	-3.846	-3.880	-3.918	-3.954
	-3.985	-4.011	-4.035	-4.055	-4.072	-4.087	-4.099	-4.108	-4.114	-4.117
	-4.117	-4.113	-4.097	-4.069	-4.029	-3.977	-3.913	-3.797	-3.587	-3.316
	-2.977	-2.555	-1.947	1.623						
0 20	14.95	4.945	3.040	1.697	0.5808	-0.3077	-2.7633E-02	-0.6699	-1.885	-2.356
	-2.633	-2.793	-2.892	-2.986	-3.075	-3.160	-3.242	-3.318	-3.389	-3.455
	-3.507	-3.597	-3.658	-3.726	-3.759	-3.798	-3.837	-3.872	-3.911	-3.947
	-3.978	-4.005	-4.028	-4.049	-4.066	-4.081	-4.092	-4.101	-4.108	-4.111
	-4.111	-4.108	-4.092	-4.064	-4.024	-3.973	-3.908	-3.793	-3.583	-3.313
	-2.974	-2.553	-1.946	1.623						
0 21	14.95	4.944	3.040	1.697	0.5821	-0.2657	2.679	2.075	-1.230	-2.215
	-2.582	-2.742	-2.840	-2.933	-3.022	-3.107	-3.188	-3.265	-3.339	-3.410
	-3.471	-3.583	-3.645	-3.704	-3.741	-3.783	-3.825	-3.862	-3.900	-3.937

	-3.969	-3.996	-4.020	-4.041	-4.058	-4.073	-4.085	-4.095	-4.101	-4.104
	-4.105	-4.102	-4.086	-4.058	-4.019	-3.967	-3.903	-3.788	-3.579	-3.309
	-2.971	-2.551	-1.945	1.623						
0 22	14.90	4.940	3.040	1.697	0.5818	-0.3062	-2.3958E-02	-0.5713	0.7542	-1.853
	-2.440	-2.580	-2.669	-2.760	-2.848	-2.933	-3.014	-3.093	-3.173	-3.263
	-3.368	-3.441	-3.522	-3.624	-3.688	-3.742	-3.794	-3.839	-3.879	-3.917
	-3.951	-3.980	-4.006	-4.028	-4.047	-4.063	-4.076	-4.086	-4.093	-4.097
	-4.098	-4.095	-4.079	-4.052	-4.013	-3.962	-3.898	-3.783	-3.574	-3.305
	-2.967	-2.549	-1.945	1.610						
0 23	14.29	4.930	3.040	1.697	0.5812	-0.3326	-0.8134	-1.307	2.499	-0.9930
	-2.024	-2.015	-2.074	-2.158	-2.245	-2.330	-2.412	-2.493	-2.585	-2.728
	-2.998	-3.143	-3.263	-3.417	-3.517	-3.598	-3.685	-3.750	-3.805	-3.859
	-3.902	-3.939	-3.973	-4.000	-4.023	-4.043	-4.058	-4.070	-4.079	-4.085
	-4.087	-4.086	-4.071	-4.045	-4.007	-3.956	-3.892	-3.778	-3.569	-3.301
	-2.964	-2.546	-1.947	1.378						
0 24	14.86	4.938	3.040	1.697	0.5807	-0.3420	-0.9932	-1.508	1.756	1.048
	-1.070	-0.4875	-0.4972	-0.5775	-0.6642	-0.7480	-0.8283	-0.9083	-1.007	-1.231
	-2.086	-2.328	-2.517	-2.917	-3.090	-3.221	-3.417	-3.528	-3.614	-3.717
	-3.786	-3.840	-3.897	-3.938	-3.971	-4.001	-4.024	-4.041	-4.056	-4.066
	-4.072	-4.074	-4.062	-4.038	-4.001	-3.950	-3.887	-3.773	-3.565	-3.297
	-2.961	-2.544	-1.944	1.594						
0 25	14.93	4.941	3.040	1.697	0.5804	-0.3461	-1.056	-1.603	8.1183E-02	3.876
	6.7378E-02	1.595	1.575	1.489	1.403	1.322	1.245	1.170	1.084	0.8654
	-0.9939	-1.237	-1.465	-2.288	-2.517	-2.693	-3.071	-3.230	-3.349	-3.531
	-3.630	-3.706	-3.798	-3.856	-3.901	-3.948	-3.981	-4.005	-4.028	-4.044
	-4.055	-4.060	-4.054	-4.032	-3.996	-3.946	-3.883	-3.770	-3.562	-3.295
	-2.959	-2.543	-1.942	1.619						
0 26	14.94	4.943	3.040	1.697	0.5801	-0.3489	-1.089	-1.665	-0.8157	3.819
	1.975	-0.2740	-0.5171	-0.6306	-0.7227	-0.8071	-0.8863	-0.9593	-1.014	-0.9309
	0.7785	0.8520	0.6624	-1.179	-1.409	-1.624	-2.432	-2.649	-2.814	-3.180
	-3.328	-3.437	-3.609	-3.699	-3.765	-3.848	-3.898	-3.935	-3.976	-4.004
	-4.024	-4.037	-4.039	-4.023	-3.989	-3.940	-3.879	-3.766	-3.559	-3.292
	-2.957	-2.541	-1.941	1.623						
0 27	14.95	4.945	3.040	1.697	0.5798	-0.3509	-1.108	-1.707	-1.386	0.7701
	-0.2331	-1.396	-1.638	-1.760	-1.855	-1.940	-2.020	-2.091	-2.136	-2.051
	-1.360	-1.252	-1.129	0.6066	0.6935	0.5154	-1.317	-1.536	-1.741	-2.539
	-2.746	-2.901	-3.257	-3.396	-3.496	-3.659	-3.740	-3.799	-3.878	-3.929
	-3.968	-3.996	-4.014	-4.008	-3.980	-3.932	-3.873	-3.762	-3.556	-3.289
	-2.954	-2.540	-1.940	1.623						
0 28	14.95	4.945	3.040	1.697	0.5795	-0.3523	-1.118	-1.734	-1.729	-0.8141
	-1.402	-2.037	-2.234	-2.352	-2.447	-2.532	-2.612	-2.682	-2.730	-2.696
	-2.433	-2.366	-2.245	-1.533	-1.412	-1.277	0.4745	0.5723	0.4043	-1.422
	-1.631	-1.826	-2.615	-2.813	-2.959	-3.306	-3.437	-3.531	-3.693	-3.786
	-3.865	-3.917	-3.968	-3.982	-3.964	-3.919	-3.864	-3.757	-3.551	-3.286
	-2.952	-2.538	-1.939	1.623						
0 29	14.95	4.945	3.040	1.697	0.5792	-0.3535	-1.124	-1.751	-1.928	-1.618
	-2.009	-2.392	-2.549	-2.660	-2.754	-2.839	-2.918	-2.990	-3.044	-3.053
	-2.971	-2.949	-2.886	-2.606	-2.525	-2.392	-1.669	-1.537	-1.390	0.3740
	0.4814	0.3225	-1.497	-1.697	-1.883	-2.664	-2.854	-2.995	-3.346	-3.509
	-3.673	-3.764	-3.883	-3.935	-3.936	-3.897	-3.849	-3.750	-3.544	-3.282
	-2.948	-2.536	-1.938	1.624						
0 30	14.95	4.946	3.040	1.697	0.5788	-0.3546	-1.129	-1.763	-2.042	-2.023
	-2.322	-2.585	-2.716	-2.821	-2.913	-2.998	-3.077	-3.149	-3.210	-3.245
	-3.242	-3.253	-3.239	-3.142	-3.107	-3.033	-2.742	-2.651	-2.507	-1.772
	-1.630	-1.474	0.3014	0.4177	0.2673	-1.545	-1.738	-1.919	-2.711	-2.968
	-3.319	-3.468	-3.720	-3.848	-3.886	-3.856	-3.823	-3.738	-3.534	-3.277
	-2.944	-2.534	-1.937	1.624						
0 31	14.95	4.946	3.040	1.697	0.5784	-0.3556	-1.132	-1.771	-2.107	-2.226
	-2.484	-2.690	-2.806	-2.906	-2.996	-3.081	-3.160	-3.233	-3.297	-3.347
	-3.379	-3.411	-3.428	-3.411	-3.411	-3.385	-3.278	-3.233	-3.148	-2.846
	-2.745	-2.592	-1.847	-1.696	-1.531	0.2545	0.3784	0.2324	-1.594	-1.903
	-2.677	-2.889	-3.408	-3.684	-3.794	-3.777	-3.776	-3.719	-3.518	-3.269
	-2.938	-2.532	-1.936	1.624						
0 32	14.95	4.946	3.040	1.696	0.5780	-0.3565	-1.134	-1.777	-2.144	-2.329
	-2.568	-2.747	-2.854	-2.951	-3.041	-3.125	-3.204	-3.277	-3.344	-3.402
	-3.450	-3.494	-3.529	-3.548	-3.568	-3.574	-3.547	-3.536	-3.500	-3.383
	-3.328	-3.234	-2.922	-2.812	-2.650	-1.896	-1.736	-1.565	0.2163	0.2155
	-1.563	-1.761	-2.813	-3.371	-3.620	-3.626	-3.687	-3.684	-3.488	-3.257
	-2.927	-2.528	-1.936	1.624						
0 33	14.95	4.947	3.040	1.696	0.5776	-0.3574	-1.136	-1.781	-2.165	-2.381
	-2.613	-2.778	-2.881	-2.976	-3.065	-3.149	-3.228	-3.302	-3.370	-3.432
	-3.487	-3.538	-3.582	-3.618	-3.651	-3.675	-3.683	-3.693	-3.689	-3.652

	-3.631	-3.586	-3.459	-3.395	-3.291	-2.971	-2.852	-2.679	-1.901	-1.595
	0.2282	0.4083	-1.691	-2.776	-3.292	-3.328	-3.518	-3.621	-3.432	-3.236
	-2.910	-2.524	-1.934	1.624						
0 34	14.95	4.947	3.040	1.696	0.5772	-0.3583	-1.138	-1.785	-2.178	-2.409
	-2.637	-2.796	-2.896	-2.990	-3.079	-3.162	-3.241	-3.315	-3.385	-3.449
	-3.508	-3.562	-3.612	-3.655	-3.695	-3.728	-3.753	-3.776	-3.789	-3.788
	-3.788	-3.774	-3.727	-3.697	-3.643	-3.507	-3.434	-3.318	-2.966	-2.711
	-1.923	-1.657	0.3849	-1.654	-2.676	-2.743	-3.194	-3.503	-3.324	-3.199
	-2.877	-2.516	-1.933	1.624						
0 35	14.96	4.949	3.040	1.696	0.5767	-0.3592	-1.139	-1.788	-2.186	-2.425
	-2.651	-2.807	-2.906	-2.999	-3.087	-3.171	-3.250	-3.324	-3.394	-3.459
	-3.519	-3.576	-3.628	-3.675	-3.718	-3.757	-3.790	-3.819	-3.842	-3.858
	-3.870	-3.874	-3.864	-3.855	-3.832	-3.776	-3.736	-3.669	-3.505	-3.345
	-2.997	-2.787	-1.684	0.4227	-1.533	-1.599	-2.578	-3.280	-3.116	-3.129
	-2.815	-2.503	-1.931	1.628						
0 36	15.03	4.951	3.040	1.695	0.5762	-0.3601	-1.141	-1.790	-2.192	-2.434
	-2.660	-2.814	-2.912	-3.005	-3.093	-3.176	-3.255	-3.330	-3.400	-3.465
	-3.527	-3.584	-3.637	-3.686	-3.732	-3.773	-3.810	-3.843	-3.871	-3.894
	-3.914	-3.927	-3.933	-3.937	-3.931	-3.911	-3.893	-3.857	-3.780	-3.689
	-3.530	-3.391	-2.797	-1.639	0.5454	0.5984	-1.418	-2.859	-2.710	-2.999
	-2.697	-2.481	-1.928	1.649						
0 37	15.35	4.954	3.040	1.695	0.5758	-0.3610	-1.142	-1.793	-2.196	-2.440
	-2.665	-2.819	-2.917	-3.010	-3.097	-3.181	-3.259	-3.334	-3.404	-3.470
	-3.532	-3.589	-3.643	-3.693	-3.740	-3.782	-3.821	-3.856	-3.887	-3.914
	-3.937	-3.956	-3.969	-3.979	-3.984	-3.980	-3.974	-3.957	-3.920	-3.870
	-3.793	-3.706	-3.379	-2.740	-1.590	-1.417	0.7224	-2.067	-1.922	-2.754
	-2.467	-2.442	-1.925	1.773						
0 38	15.01	4.952	3.040	1.695	0.5750	-0.3623	-1.145	-1.796	-2.201	-2.447
	-2.672	-2.825	-2.923	-3.015	-3.103	-3.186	-3.265	-3.339	-3.409	-3.475
	-3.537	-3.595	-3.650	-3.700	-3.747	-3.791	-3.831	-3.867	-3.900	-3.930
	-3.956	-3.978	-3.997	-4.013	-4.024	-4.032	-4.035	-4.033	-4.024	-4.007
	-3.982	-3.943	-3.816	-3.574	-3.176	-3.019	-2.209	0.1100	0.3144	-2.061
	-1.799	-2.333	-1.919	1.643						
0 39	15.41	4.958	3.040	1.694	0.5740	-0.3641	-1.147	-1.800	-2.206	-2.453
	-2.678	-2.831	-2.928	-3.021	-3.108	-3.191	-3.270	-3.344	-3.414	-3.481
	-3.543	-3.601	-3.655	-3.706	-3.753	-3.797	-3.838	-3.875	-3.908	-3.939
	-3.966	-3.990	-4.011	-4.029	-4.043	-4.054	-4.062	-4.066	-4.066	-4.062
	-4.054	-4.036	-3.984	-3.892	-3.752	-3.650	-3.363	-2.610	-2.329	0.8179
	1.123	-1.893	-1.900	1.793						
0 40	14.96	4.947	3.039	1.693	0.5725	-0.3666	-1.151	-1.806	-2.213	-2.461
	-2.686	-2.839	-2.936	-3.028	-3.116	-3.199	-3.277	-3.352	-3.422	-3.488
	-3.550	-3.608	-3.662	-3.713	-3.761	-3.805	-3.845	-3.882	-3.916	-3.947
	-3.975	-4.000	-4.021	-4.040	-4.055	-4.068	-4.077	-4.084	-4.087	-4.088
	-4.085	-4.077	-4.052	-4.012	-3.956	-3.892	-3.795	-3.593	-3.360	-2.698
	-2.302	0.1484	-1.858	1.627						
0 41	14.95	4.945	3.038	1.692	0.5705	-0.3697	-1.156	-1.812	-2.221	-2.469
	-2.694	-2.848	-2.945	-3.037	-3.124	-3.207	-3.286	-3.360	-3.430	-3.496
	-3.558	-3.616	-3.670	-3.721	-3.769	-3.813	-3.853	-3.891	-3.925	-3.956
	-3.984	-4.008	-4.030	-4.049	-4.065	-4.078	-4.087	-4.094	-4.098	-4.100
	-4.098	-4.091	-4.070	-4.038	-3.993	-3.937	-3.867	-3.740	-3.524	-3.213
	-2.863	-2.241	-1.917	1.624						
0 42	14.95	4.945	3.038	1.691	0.5687	-0.3725	-1.160	-1.817	-2.227	-2.476
	-2.701	-2.855	-2.952	-3.044	-3.131	-3.214	-3.293	-3.367	-3.437	-3.503
	-3.565	-3.623	-3.677	-3.728	-3.776	-3.820	-3.860	-3.898	-3.932	-3.963
	-3.991	-4.016	-4.037	-4.056	-4.072	-4.085	-4.095	-4.102	-4.107	-4.108
	-4.106	-4.100	-4.080	-4.048	-4.005	-3.950	-3.883	-3.763	-3.551	-3.276
	-2.936	-2.500	-1.932	1.624						
0 43	14.95	4.944	3.037	1.690	0.5671	-0.3750	-1.164	-1.822	-2.232	-2.481
	-2.707	-2.860	-2.957	-3.050	-3.137	-3.220	-3.299	-3.373	-3.443	-3.509
	-3.571	-3.629	-3.684	-3.734	-3.782	-3.826	-3.866	-3.904	-3.938	-3.969
	-3.997	-4.022	-4.043	-4.062	-4.078	-4.091	-4.102	-4.109	-4.113	-4.115
	-4.113	-4.107	-4.087	-4.056	-4.013	-3.959	-3.892	-3.773	-3.561	-3.289
	-2.951	-2.533	-1.937	1.624						
0 44	14.95	4.944	3.037	1.689	0.5657	-0.3770	-1.166	-1.825	-2.236	-2.485
	-2.711	-2.865	-2.962	-3.054	-3.142	-3.225	-3.304	-3.378	-3.448	-3.514
	-3.576	-3.634	-3.689	-3.739	-3.787	-3.831	-3.871	-3.909	-3.943	-3.974
	-4.002	-4.027	-4.049	-4.068	-4.084	-4.097	-4.107	-4.114	-4.119	-4.120
	-4.119	-4.113	-4.093	-4.062	-4.020	-3.965	-3.899	-3.780	-3.568	-3.297
	-2.958	-2.540	-1.939	1.624						
0 45	14.96	4.946	3.036	1.689	0.5645	-0.3787	-1.169	-1.828	-2.239	-2.489
	-2.715	-2.868	-2.966	-3.058	-3.146	-3.229	-3.307	-3.382	-3.452	-3.518
	-3.580	-3.638	-3.693	-3.743	-3.791	-3.835	-3.875	-3.913	-3.947	-3.978

	-4.006	-4.031	-4.053	-4.072	-4.088	-4.101	-4.111	-4.118	-4.123	-4.125
	-4.124	-4.118	-4.098	-4.067	-4.025	-3.970	-3.904	-3.785	-3.573	-3.302
	-2.963	-2.544	-1.941	1.626						
0 46	15.44	4.961	3.036	1.688	0.5636	-0.3800	-1.170	-1.830	-2.241	-2.491
	-2.717	-2.871	-2.968	-3.061	-3.148	-3.231	-3.310	-3.384	-3.454	-3.520
	-3.583	-3.641	-3.695	-3.746	-3.794	-3.838	-3.878	-3.916	-3.950	-3.981
	-4.009	-4.034	-4.056	-4.075	-4.091	-4.104	-4.114	-4.122	-4.126	-4.128
	-4.127	-4.121	-4.102	-4.071	-4.029	-3.974	-3.908	-3.789	-3.577	-3.306
	-2.967	-2.547	-1.938	1.799						
0 47	14.95	4.945	3.036	1.687	0.5627	-0.3812	-1.172	-1.832	-2.244	-2.493
	-2.720	-2.873	-2.971	-3.063	-3.151	-3.234	-3.313	-3.387	-3.457	-3.523
	-3.585	-3.644	-3.698	-3.749	-3.797	-3.841	-3.882	-3.919	-3.953	-3.984
	-4.012	-4.037	-4.059	-4.078	-4.094	-4.107	-4.117	-4.125	-4.129	-4.131
	-4.130	-4.124	-4.105	-4.074	-4.032	-3.978	-3.912	-3.793	-3.581	-3.309
	-2.970	-2.549	-1.944	1.624						

1 HEAD IN LAYER 2 AT END OF TIME STEP 1 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54						

0 1	16.00	12.68	9.871	7.500	5.504	3.826	2.419	1.243	0.5087	6.3477E-02
	-0.3408	-0.6154	-0.7895	-0.9548	-1.112	-1.261	-1.402	-1.535	-1.661	-1.780
	-1.891	-1.996	-2.095	-2.187	-2.273	-2.352	-2.426	-2.494	-2.556	-2.612
	-2.663	-2.709	-2.749	-2.783	-2.813	-2.837	-2.856	-2.870	-2.879	-2.883
	-2.882	-2.873	-2.840	-2.786	-2.711	-2.615	-2.496	-2.283	-1.901	-1.408
	-0.7904	-3.1219E-02	0.8916	1.999						
0 2	15.99	12.68	9.871	7.501	5.506	3.828	2.422	1.246	0.5119	6.6880E-02
	-0.3372	-0.6117	-0.7857	-0.9509	-1.108	-1.257	-1.397	-1.531	-1.657	-1.775
	-1.887	-1.992	-2.091	-2.183	-2.269	-2.348	-2.422	-2.490	-2.552	-2.609
	-2.659	-2.705	-2.745	-2.780	-2.809	-2.834	-2.853	-2.867	-2.876	-2.880
	-2.879	-2.869	-2.837	-2.783	-2.708	-2.612	-2.494	-2.281	-1.898	-1.406
	-0.7891	-3.0361E-02	0.8917	1.997						
0 3	16.00	12.68	9.873	7.503	5.509	3.832	2.426	1.251	0.5170	7.2119E-02
	-0.3318	-0.6061	-0.7800	-0.9451	-1.102	-1.251	-1.391	-1.525	-1.650	-1.769
	-1.881	-1.986	-2.085	-2.177	-2.262	-2.342	-2.416	-2.484	-2.546	-2.603
	-2.654	-2.699	-2.739	-2.774	-2.804	-2.828	-2.848	-2.862	-2.871	-2.875
	-2.874	-2.865	-2.832	-2.779	-2.704	-2.608	-2.490	-2.277	-1.895	-1.403
	-0.7869	-2.8825E-02	0.8928	1.999						
0 4	16.00	12.68	9.874	7.505	5.511	3.835	2.430	1.255	0.5213	7.6589E-02
	-0.3272	-0.6014	-0.7752	-0.9403	-1.097	-1.246	-1.386	-1.519	-1.645	-1.764
	-1.876	-1.981	-2.079	-2.171	-2.257	-2.337	-2.411	-2.479	-2.541	-2.598
	-2.649	-2.694	-2.735	-2.770	-2.799	-2.824	-2.843	-2.857	-2.867	-2.871
	-2.870	-2.861	-2.828	-2.775	-2.700	-2.605	-2.486	-2.274	-1.892	-1.401
	-0.7851	-2.7540E-02	0.8936	1.999						
0 5	16.00	12.69	9.876	7.507	5.514	3.839	2.434	1.260	0.5268	8.2143E-02
	-0.3215	-0.5957	-0.7694	-0.9344	-1.091	-1.240	-1.380	-1.513	-1.639	-1.758
	-1.869	-1.974	-2.073	-2.165	-2.251	-2.330	-2.404	-2.472	-2.535	-2.591
	-2.642	-2.688	-2.729	-2.764	-2.794	-2.818	-2.838	-2.852	-2.861	-2.866
	-2.865	-2.856	-2.823	-2.770	-2.696	-2.600	-2.482	-2.270	-1.889	-1.398
	-0.7829	-2.5994E-02	0.8944	1.999						
0 6	16.00	12.69	9.877	7.510	5.517	3.843	2.440	1.266	0.5334	8.8902E-02
	-0.3147	-0.5888	-0.7625	-0.9274	-1.084	-1.232	-1.373	-1.506	-1.632	-1.750
	-1.862	-1.967	-2.065	-2.157	-2.243	-2.323	-2.397	-2.465	-2.527	-2.584
	-2.635	-2.681	-2.722	-2.757	-2.787	-2.812	-2.831	-2.846	-2.855	-2.859
	-2.859	-2.850	-2.818	-2.765	-2.691	-2.595	-2.477	-2.266	-1.885	-1.395
	-0.7803	-2.4167E-02	0.8954	1.999						
0 7	16.00	12.69	9.879	7.512	5.521	3.849	2.446	1.274	0.5414	9.7027E-02
	-0.3065	-0.5806	-0.7542	-0.9191	-1.076	-1.224	-1.364	-1.497	-1.623	-1.741
	-1.853	-1.958	-2.056	-2.148	-2.234	-2.314	-2.388	-2.456	-2.519	-2.575
	-2.627	-2.673	-2.714	-2.749	-2.779	-2.804	-2.824	-2.838	-2.848	-2.852
	-2.852	-2.843	-2.811	-2.758	-2.684	-2.589	-2.471	-2.260	-1.880	-1.391
	-0.7772	-2.2037E-02	0.8964	1.999						
0 8	16.00	12.69	9.881	7.515	5.526	3.855	2.454	1.283	0.5509	0.1067
	-0.2967	-0.5709	-0.7445	-0.9094	-1.066	-1.214	-1.355	-1.488	-1.613	-1.731
	-1.843	-1.948	-2.046	-2.138	-2.224	-2.304	-2.378	-2.446	-2.509	-2.566
	-2.617	-2.663	-2.704	-2.740	-2.770	-2.795	-2.815	-2.830	-2.839	-2.844
	-2.843	-2.835	-2.803	-2.750	-2.677	-2.582	-2.465	-2.254	-1.875	-1.386

	-0.7735	-1.9570E-02	0.8977	1.999						
0 9	16.00	12.69	9.883	7.519	5.530	3.861	2.463	1.293	0.5621	0.1182
	-0.2852	-0.5594	-0.7332	-0.8981	-1.055	-1.203	-1.343	-1.476	-1.602	-1.720
	-1.832	-1.936	-2.035	-2.127	-2.213	-2.292	-2.367	-2.435	-2.498	-2.555
	-2.606	-2.653	-2.694	-2.729	-2.760	-2.785	-2.805	-2.820	-2.830	-2.834
	-2.834	-2.825	-2.794	-2.742	-2.668	-2.574	-2.457	-2.247	-1.868	-1.381
	-0.7694	-1.6726E-02	0.8990	1.999						
0 10	15.99	12.69	9.885	7.522	5.536	3.869	2.473	1.306	0.5754	0.1317
	-0.2717	-0.5461	-0.7199	-0.8850	-1.042	-1.190	-1.331	-1.464	-1.589	-1.708
	-1.819	-1.924	-2.022	-2.114	-2.200	-2.280	-2.354	-2.422	-2.485	-2.542
	-2.594	-2.641	-2.682	-2.717	-2.748	-2.773	-2.794	-2.809	-2.819	-2.823
	-2.823	-2.815	-2.784	-2.732	-2.659	-2.564	-2.448	-2.238	-1.861	-1.375
	-0.7646	-1.3448E-02	0.9006	1.997						
0 11	16.00	12.69	9.886	7.525	5.540	3.875	2.482	1.317	0.5870	0.1434
	-0.2600	-0.5345	-0.7085	-0.8737	-1.031	-1.179	-1.320	-1.453	-1.578	-1.697
	-1.808	-1.913	-2.011	-2.103	-2.189	-2.269	-2.343	-2.412	-2.475	-2.532
	-2.584	-2.630	-2.672	-2.707	-2.738	-2.764	-2.784	-2.799	-2.809	-2.814
	-2.814	-2.806	-2.775	-2.723	-2.651	-2.557	-2.440	-2.231	-1.855	-1.369
	-0.7605	-1.0598E-02	0.9021	1.999						
0 12	16.00	12.69	9.887	7.526	5.543	3.880	2.489	1.325	0.5953	0.1519
	-0.2515	-0.5262	-0.7002	-0.8656	-1.023	-1.171	-1.312	-1.445	-1.571	-1.689
	-1.801	-1.906	-2.004	-2.096	-2.182	-2.262	-2.336	-2.405	-2.467	-2.525
	-2.577	-2.623	-2.664	-2.700	-2.731	-2.757	-2.777	-2.792	-2.802	-2.807
	-2.807	-2.799	-2.769	-2.717	-2.645	-2.551	-2.435	-2.226	-1.851	-1.366
	-0.7576	-8.5613E-03	0.9032	1.999						
0 13	16.00	12.69	9.888	7.528	5.545	3.884	2.496	1.333	0.6044	0.1611
	-0.2424	-0.5171	-0.6913	-0.8568	-1.014	-1.163	-1.304	-1.437	-1.563	-1.681
	-1.793	-1.898	-1.996	-2.089	-2.175	-2.254	-2.329	-2.397	-2.460	-2.517
	-2.569	-2.616	-2.657	-2.693	-2.724	-2.749	-2.770	-2.785	-2.795	-2.800
	-2.800	-2.792	-2.762	-2.711	-2.639	-2.545	-2.429	-2.221	-1.846	-1.362
	-0.7544	-6.3828E-03	0.9044	1.999						
0 14	16.00	12.69	9.889	7.530	5.548	3.889	2.503	1.342	0.6141	0.1709
	-0.2326	-0.5074	-0.6817	-0.8473	-1.005	-1.154	-1.295	-1.428	-1.554	-1.673
	-1.785	-1.890	-1.988	-2.081	-2.167	-2.247	-2.321	-2.389	-2.452	-2.509
	-2.561	-2.608	-2.649	-2.685	-2.716	-2.742	-2.762	-2.777	-2.788	-2.793
	-2.793	-2.785	-2.755	-2.704	-2.632	-2.539	-2.423	-2.216	-1.841	-1.357
	-0.7511	-4.0534E-03	0.9056	1.999						
0 15	16.00	12.69	9.890	7.531	5.551	3.894	2.511	1.353	0.6246	0.1814
	-0.2222	-0.4971	-0.6715	-0.8372	-0.9946	-1.144	-1.285	-1.419	-1.545	-1.664
	-1.776	-1.881	-1.980	-2.072	-2.158	-2.238	-2.313	-2.381	-2.444	-2.501
	-2.553	-2.600	-2.641	-2.677	-2.708	-2.733	-2.754	-2.769	-2.779	-2.785
	-2.785	-2.777	-2.747	-2.697	-2.625	-2.532	-2.417	-2.210	-1.836	-1.353
	-0.7475	-1.5630E-03	0.9069	1.999						
0 16	16.00	12.69	9.891	7.533	5.554	3.899	2.520	1.364	0.6359	0.1927
	-0.2112	-0.4861	-0.6606	-0.8265	-0.9841	-1.134	-1.275	-1.409	-1.535	-1.654
	-1.767	-1.872	-1.971	-2.064	-2.150	-2.230	-2.304	-2.372	-2.435	-2.492
	-2.544	-2.591	-2.632	-2.668	-2.699	-2.725	-2.745	-2.761	-2.771	-2.776
	-2.777	-2.769	-2.739	-2.689	-2.618	-2.525	-2.410	-2.203	-1.830	-1.348
	-0.7437	1.1002E-03	0.9083	1.999						
0 17	16.00	12.69	9.892	7.534	5.556	3.904	2.529	1.376	0.6481	0.2046
	-0.1995	-0.4746	-0.6492	-0.8152	-0.9729	-1.123	-1.264	-1.398	-1.525	-1.644
	-1.757	-1.862	-1.962	-2.054	-2.141	-2.221	-2.295	-2.363	-2.426	-2.483
	-2.535	-2.582	-2.623	-2.659	-2.690	-2.715	-2.736	-2.751	-2.762	-2.767
	-2.768	-2.761	-2.731	-2.681	-2.610	-2.518	-2.403	-2.197	-1.824	-1.343
	-0.7396	3.9493E-03	0.9097	1.999						
0 18	16.00	12.69	9.892	7.535	5.558	3.908	2.540	1.389	0.6613	0.2173
	-0.1873	-0.4625	-0.6372	-0.8034	-0.9611	-1.111	-1.253	-1.387	-1.514	-1.634
	-1.746	-1.852	-1.952	-2.044	-2.131	-2.211	-2.286	-2.354	-2.417	-2.474
	-2.526	-2.572	-2.613	-2.649	-2.680	-2.706	-2.726	-2.742	-2.752	-2.758
	-2.758	-2.752	-2.722	-2.673	-2.602	-2.510	-2.395	-2.190	-1.818	-1.338
	-0.7352	6.9987E-03	0.9113	1.999						
0 19	16.00	12.69	9.893	7.536	5.560	3.912	2.551	1.403	0.6755	0.2307
	-0.1745	-0.4500	-0.6248	-0.7910	-0.9488	-1.099	-1.241	-1.375	-1.502	-1.622
	-1.735	-1.841	-1.941	-2.034	-2.121	-2.201	-2.276	-2.344	-2.407	-2.464
	-2.516	-2.562	-2.603	-2.639	-2.670	-2.696	-2.716	-2.732	-2.742	-2.748
	-2.749	-2.742	-2.713	-2.664	-2.593	-2.501	-2.388	-2.182	-1.811	-1.332
	-0.7305	1.0264E-02	0.9129	1.999						
0 20	16.00	12.69	9.893	7.537	5.562	3.916	2.563	1.418	0.6907	0.2447
	-0.1614	-0.4371	-0.6119	-0.7781	-0.9360	-1.086	-1.228	-1.363	-1.490	-1.610
	-1.723	-1.830	-1.930	-2.023	-2.110	-2.190	-2.265	-2.334	-2.396	-2.454
	-2.505	-2.552	-2.593	-2.628	-2.659	-2.685	-2.706	-2.721	-2.732	-2.738
	-2.739	-2.732	-2.704	-2.654	-2.584	-2.493	-2.379	-2.174	-1.804	-1.325

	-0.7255	1.3764E-02	0.9147	1.999						
0 21	16.00	12.69	9.894	7.538	5.563	3.918	2.572	1.431	0.7066	0.2592
	-0.1481	-0.4239	-0.5987	-0.7649	-0.9228	-1.073	-1.215	-1.349	-1.477	-1.597
	-1.711	-1.817	-1.918	-2.011	-2.098	-2.179	-2.254	-2.322	-2.385	-2.443
	-2.494	-2.541	-2.582	-2.617	-2.648	-2.674	-2.695	-2.710	-2.721	-2.727
	-2.728	-2.722	-2.693	-2.645	-2.575	-2.484	-2.370	-2.166	-1.796	-1.319
	-0.7201	1.7518E-02	0.9165	1.999						
0 22	16.00	12.69	9.894	7.538	5.564	3.919	2.567	1.430	0.7214	0.2734
	-0.1350	-0.4107	-0.5855	-0.7516	-0.9093	-1.059	-1.201	-1.336	-1.463	-1.584
	-1.697	-1.804	-1.905	-1.999	-2.086	-2.167	-2.242	-2.311	-2.374	-2.431
	-2.483	-2.529	-2.570	-2.606	-2.637	-2.662	-2.683	-2.699	-2.710	-2.716
	-2.717	-2.711	-2.683	-2.634	-2.565	-2.474	-2.361	-2.157	-1.788	-1.312
	-0.7143	2.1546E-02	0.9185	1.999						
0 23	15.99	12.69	9.894	7.539	5.564	3.918	2.560	1.425	0.7300	0.2864
	-0.1228	-0.3982	-0.5728	-0.7387	-0.8963	-1.046	-1.188	-1.322	-1.449	-1.570
	-1.684	-1.791	-1.891	-1.986	-2.073	-2.154	-2.229	-2.298	-2.361	-2.419
	-2.471	-2.517	-2.558	-2.594	-2.625	-2.650	-2.671	-2.687	-2.698	-2.704
	-2.705	-2.699	-2.672	-2.623	-2.554	-2.464	-2.351	-2.148	-1.779	-1.304
	-0.7080	2.5876E-02	0.9206	1.997						
0 24	16.00	12.69	9.894	7.539	5.563	3.916	2.555	1.420	0.7276	0.2935
	-0.1159	-0.3909	-0.5654	-0.7312	-0.8887	-1.038	-1.180	-1.314	-1.441	-1.561
	-1.675	-1.782	-1.882	-1.976	-2.064	-2.145	-2.220	-2.289	-2.352	-2.409
	-2.461	-2.508	-2.549	-2.585	-2.615	-2.641	-2.662	-2.678	-2.689	-2.695
	-2.696	-2.691	-2.663	-2.615	-2.546	-2.456	-2.343	-2.140	-1.772	-1.298
	-0.7030	2.9369E-02	0.9224	1.999						
0 25	16.00	12.69	9.894	7.539	5.563	3.915	2.552	1.416	0.7233	0.2960
	-0.1130	-0.3882	-0.5627	-0.7285	-0.8859	-1.035	-1.177	-1.310	-1.437	-1.557
	-1.670	-1.777	-1.877	-1.971	-2.058	-2.139	-2.214	-2.283	-2.346	-2.403
	-2.455	-2.501	-2.542	-2.578	-2.609	-2.635	-2.655	-2.671	-2.682	-2.689
	-2.690	-2.684	-2.657	-2.609	-2.540	-2.450	-2.338	-2.135	-1.768	-1.294
	-0.6995	3.1785E-02	0.9235	1.999						
0 26	16.00	12.69	9.894	7.538	5.563	3.914	2.548	1.412	0.7175	0.2937
	-0.1129	-0.3897	-0.5645	-0.7303	-0.8875	-1.037	-1.178	-1.312	-1.438	-1.557
	-1.668	-1.774	-1.873	-1.966	-2.053	-2.133	-2.208	-2.277	-2.340	-2.397
	-2.449	-2.495	-2.536	-2.572	-2.603	-2.628	-2.649	-2.665	-2.676	-2.682
	-2.684	-2.678	-2.651	-2.603	-2.535	-2.445	-2.332	-2.130	-1.763	-1.289
	-0.6958	3.4291E-02	0.9247	1.999						
0 27	16.00	12.69	9.894	7.538	5.562	3.913	2.545	1.407	0.7109	0.2869
	-0.1172	-0.3939	-0.5686	-0.7343	-0.8914	-1.040	-1.181	-1.315	-1.441	-1.559
	-1.670	-1.775	-1.873	-1.964	-2.050	-2.130	-2.204	-2.272	-2.334	-2.392
	-2.443	-2.489	-2.530	-2.566	-2.596	-2.622	-2.643	-2.659	-2.670	-2.676
	-2.677	-2.672	-2.645	-2.597	-2.529	-2.439	-2.327	-2.125	-1.758	-1.285
	-0.6920	3.6891E-02	0.9260	1.999						
0 28	16.00	12.69	9.894	7.538	5.562	3.912	2.542	1.403	0.7038	0.2784
	-0.1236	-0.3994	-0.5740	-0.7395	-0.8964	-1.045	-1.186	-1.319	-1.445	-1.563
	-1.674	-1.778	-1.875	-1.966	-2.051	-2.130	-2.202	-2.269	-2.331	-2.388
	-2.439	-2.484	-2.525	-2.560	-2.591	-2.616	-2.637	-2.652	-2.664	-2.670
	-2.671	-2.666	-2.638	-2.591	-2.523	-2.433	-2.321	-2.119	-1.753	-1.280
	-0.6881	3.9589E-02	0.9272	1.999						
0 29	16.00	12.69	9.894	7.538	5.561	3.910	2.538	1.398	0.6967	0.2695
	-0.1309	-0.4058	-0.5799	-0.7452	-0.9020	-1.051	-1.191	-1.324	-1.450	-1.568
	-1.678	-1.782	-1.879	-1.970	-2.054	-2.132	-2.204	-2.271	-2.331	-2.386
	-2.436	-2.481	-2.521	-2.556	-2.585	-2.611	-2.631	-2.646	-2.658	-2.664
	-2.665	-2.659	-2.632	-2.585	-2.517	-2.427	-2.315	-2.114	-1.747	-1.275
	-0.6840	4.2389E-02	0.9285	1.999						
0 30	16.00	12.69	9.894	7.538	5.561	3.909	2.535	1.394	0.6897	0.2608
	-0.1384	-0.4124	-0.5862	-0.7512	-0.9078	-1.056	-1.197	-1.329	-1.455	-1.572
	-1.683	-1.787	-1.884	-1.974	-2.058	-2.136	-2.208	-2.274	-2.334	-2.388
	-2.437	-2.481	-2.519	-2.553	-2.582	-2.607	-2.626	-2.641	-2.652	-2.658
	-2.659	-2.653	-2.626	-2.579	-2.510	-2.421	-2.309	-2.108	-1.742	-1.270
	-0.6797	4.5295E-02	0.9298	1.999						
0 31	16.00	12.69	9.894	7.537	5.560	3.907	2.532	1.389	0.6830	0.2526
	-0.1458	-0.4191	-0.5925	-0.7573	-0.9136	-1.062	-1.202	-1.335	-1.460	-1.577
	-1.688	-1.792	-1.889	-1.979	-2.063	-2.141	-2.212	-2.278	-2.338	-2.392
	-2.441	-2.484	-2.522	-2.555	-2.583	-2.605	-2.624	-2.638	-2.648	-2.653
	-2.654	-2.647	-2.620	-2.572	-2.504	-2.414	-2.303	-2.102	-1.736	-1.265
	-0.6752	4.8311E-02	0.9311	1.999						
0 32	16.00	12.69	9.894	7.537	5.559	3.906	2.529	1.385	0.6765	0.2449
	-0.1530	-0.4257	-0.5988	-0.7633	-0.9194	-1.067	-1.208	-1.340	-1.465	-1.582
	-1.693	-1.797	-1.893	-1.984	-2.068	-2.146	-2.217	-2.283	-2.343	-2.397
	-2.445	-2.488	-2.526	-2.558	-2.586	-2.608	-2.625	-2.638	-2.646	-2.650
	-2.650	-2.642	-2.614	-2.566	-2.498	-2.408	-2.297	-2.096	-1.730	-1.260

	-0.6705	5.1442E-02	0.9324	1.999						
0 33	16.00	12.69	9.894	7.537	5.559	3.904	2.526	1.381	0.6703	0.2377
	-0.1599	-0.4321	-0.6049	-0.7692	-0.9252	-1.073	-1.213	-1.345	-1.470	-1.588
	-1.698	-1.801	-1.898	-1.989	-2.073	-2.150	-2.222	-2.288	-2.347	-2.402
	-2.450	-2.493	-2.530	-2.563	-2.590	-2.612	-2.629	-2.641	-2.648	-2.651
	-2.648	-2.639	-2.609	-2.561	-2.492	-2.402	-2.291	-2.090	-1.724	-1.255
	-0.6656	5.4692E-02	0.9338	1.999						
0 34	16.00	12.69	9.893	7.536	5.558	3.903	2.523	1.377	0.6644	0.2310
	-0.1665	-0.4383	-0.6109	-0.7750	-0.9308	-1.079	-1.218	-1.350	-1.475	-1.592
	-1.703	-1.806	-1.903	-1.993	-2.077	-2.155	-2.227	-2.293	-2.352	-2.406
	-2.455	-2.498	-2.536	-2.568	-2.595	-2.617	-2.634	-2.645	-2.652	-2.654
	-2.651	-2.640	-2.607	-2.556	-2.487	-2.396	-2.284	-2.084	-1.718	-1.249
	-0.6605	5.8063E-02	0.9351	1.999						
0 35	16.00	12.69	9.893	7.536	5.557	3.901	2.521	1.372	0.6588	0.2246
	-0.1727	-0.4443	-0.6168	-0.7807	-0.9363	-1.084	-1.224	-1.356	-1.480	-1.597
	-1.708	-1.811	-1.908	-1.998	-2.082	-2.160	-2.232	-2.297	-2.357	-2.411
	-2.460	-2.503	-2.541	-2.573	-2.600	-2.622	-2.639	-2.650	-2.657	-2.658
	-2.655	-2.644	-2.608	-2.554	-2.483	-2.390	-2.279	-2.078	-1.711	-1.243
	-0.6552	6.1556E-02	0.9364	1.999						
0 36	16.00	12.69	9.893	7.535	5.556	3.900	2.518	1.368	0.6535	0.2186
	-0.1787	-0.4501	-0.6224	-0.7862	-0.9417	-1.089	-1.229	-1.360	-1.485	-1.602
	-1.712	-1.816	-1.912	-2.003	-2.087	-2.164	-2.236	-2.302	-2.362	-2.416
	-2.465	-2.508	-2.546	-2.578	-2.605	-2.627	-2.644	-2.656	-2.662	-2.663
	-2.660	-2.648	-2.612	-2.556	-2.481	-2.387	-2.274	-2.073	-1.705	-1.238
	-0.6497	6.5168E-02	0.9376	1.999						
0 37	16.00	12.69	9.893	7.535	5.555	3.898	2.515	1.364	0.6484	0.2130
	-0.1844	-0.4557	-0.6278	-0.7915	-0.9469	-1.094	-1.234	-1.365	-1.490	-1.607
	-1.717	-1.820	-1.917	-2.007	-2.091	-2.169	-2.241	-2.307	-2.367	-2.421
	-2.470	-2.513	-2.551	-2.583	-2.610	-2.632	-2.649	-2.661	-2.667	-2.669
	-2.665	-2.653	-2.616	-2.560	-2.483	-2.388	-2.272	-2.068	-1.700	-1.232
	-0.6441	6.8888E-02	0.9389	1.999						
0 38	16.00	12.69	9.893	7.534	5.554	3.896	2.511	1.359	0.6411	0.2050
	-0.1926	-0.4636	-0.6357	-0.7992	-0.9544	-1.102	-1.241	-1.372	-1.497	-1.614
	-1.724	-1.827	-1.924	-2.014	-2.098	-2.175	-2.247	-2.313	-2.373	-2.428
	-2.477	-2.520	-2.558	-2.591	-2.618	-2.640	-2.657	-2.669	-2.675	-2.677
	-2.673	-2.661	-2.624	-2.567	-2.490	-2.393	-2.275	-2.063	-1.693	-1.224
	-0.6359	7.4590E-02	0.9405	1.999						
0 39	16.00	12.69	9.892	7.533	5.552	3.893	2.506	1.352	0.6324	0.1954
	-0.2024	-0.4734	-0.6453	-0.8087	-0.9637	-1.111	-1.250	-1.381	-1.505	-1.622
	-1.732	-1.835	-1.932	-2.022	-2.106	-2.184	-2.256	-2.322	-2.382	-2.436
	-2.485	-2.529	-2.567	-2.600	-2.627	-2.650	-2.667	-2.678	-2.685	-2.687
	-2.684	-2.671	-2.634	-2.577	-2.500	-2.403	-2.284	-2.071	-1.699	-1.218
	-0.6278	8.2204E-02	0.9423	1.999						
0 40	16.00	12.69	9.891	7.532	5.550	3.888	2.499	1.342	0.6204	0.1825
	-0.2158	-0.4868	-0.6586	-0.8218	-0.9768	-1.124	-1.263	-1.394	-1.518	-1.635
	-1.745	-1.848	-1.944	-2.034	-2.118	-2.196	-2.268	-2.334	-2.394	-2.449
	-2.498	-2.542	-2.580	-2.613	-2.640	-2.663	-2.680	-2.692	-2.699	-2.701
	-2.698	-2.686	-2.650	-2.593	-2.516	-2.419	-2.300	-2.088	-1.713	-1.231
	-0.6372	9.1549E-02	0.9438	1.999						
0 41	16.00	12.69	9.890	7.530	5.546	3.882	2.491	1.331	0.6072	0.1683
	-0.2305	-0.5017	-0.6735	-0.8368	-0.9916	-1.138	-1.277	-1.409	-1.532	-1.649
	-1.759	-1.862	-1.958	-2.048	-2.132	-2.210	-2.282	-2.348	-2.408	-2.463
	-2.512	-2.556	-2.595	-2.628	-2.656	-2.679	-2.696	-2.708	-2.716	-2.718
	-2.715	-2.703	-2.668	-2.612	-2.535	-2.438	-2.319	-2.108	-1.733	-1.252
	-0.6565	7.2623E-02	0.9403	1.999						
0 42	16.00	12.69	9.889	7.528	5.543	3.878	2.484	1.321	0.5963	0.1566
	-0.2427	-0.5141	-0.6860	-0.8493	-1.004	-1.151	-1.290	-1.421	-1.545	-1.662
	-1.771	-1.874	-1.971	-2.061	-2.145	-2.222	-2.294	-2.360	-2.421	-2.475
	-2.525	-2.569	-2.607	-2.641	-2.669	-2.692	-2.710	-2.722	-2.730	-2.732
	-2.730	-2.718	-2.683	-2.627	-2.552	-2.455	-2.336	-2.126	-1.750	-1.270
	-0.6736	5.6479E-02	0.9353	1.999						
0 43	16.00	12.69	9.888	7.526	5.540	3.873	2.478	1.313	0.5874	0.1470
	-0.2527	-0.5242	-0.6962	-0.8596	-1.015	-1.161	-1.300	-1.432	-1.555	-1.672
	-1.782	-1.885	-1.981	-2.071	-2.155	-2.233	-2.305	-2.371	-2.431	-2.486
	-2.536	-2.580	-2.618	-2.652	-2.680	-2.703	-2.721	-2.734	-2.742	-2.744
	-2.742	-2.731	-2.696	-2.641	-2.565	-2.469	-2.351	-2.140	-1.765	-1.285
	-0.6875	4.4452E-02	0.9304	1.999						
0 44	16.00	12.69	9.887	7.524	5.537	3.870	2.473	1.307	0.5802	0.1394
	-0.2606	-0.5323	-0.7045	-0.8679	-1.023	-1.170	-1.309	-1.440	-1.564	-1.681
	-1.791	-1.894	-1.990	-2.080	-2.164	-2.242	-2.314	-2.380	-2.440	-2.495
	-2.545	-2.589	-2.627	-2.661	-2.689	-2.712	-2.730	-2.743	-2.751	-2.754
	-2.752	-2.741	-2.707	-2.652	-2.576	-2.480	-2.362	-2.152	-1.777	-1.297

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      -0.6984      3.5533E-02  0.9263      1.999
0 45    16.00       12.69       9.886      7.523      5.535      3.867      2.469      1.302      0.5746     0.1335
      -0.2668     -0.5386     -0.7108     -0.8743     -1.029     -1.176     -1.315     -1.447     -1.571     -1.688
       -1.798      -1.901      -1.997      -2.087     -2.171     -2.249     -2.321     -2.387     -2.448     -2.502
       -2.552      -2.596      -2.635      -2.668     -2.697     -2.720     -2.738     -2.751     -2.759     -2.762
       -2.760      -2.749      -2.715      -2.660     -2.585     -2.489     -2.371     -2.161     -1.786     -1.306
      -0.7067      2.8995E-02  0.9231      1.999
0 46    16.00       12.69       9.886      7.522      5.534      3.864      2.466      1.298      0.5705     0.1292
      -0.2713     -0.5432     -0.7155     -0.8790     -1.034     -1.181     -1.320     -1.452     -1.576     -1.693
       -1.803      -1.906      -2.002      -2.093     -2.177     -2.254     -2.326     -2.392     -2.453     -2.508
       -2.557      -2.601      -2.640      -2.674     -2.702     -2.725     -2.743     -2.757     -2.765     -2.768
       -2.766      -2.755      -2.721      -2.667     -2.592     -2.496     -2.378     -2.168     -1.793     -1.313
      -0.7127      2.4394E-02  0.9209      1.999
0 47    16.00       12.69       9.885      7.521      5.532      3.862      2.463      1.295      0.5665     0.1250
      -0.2757     -0.5477     -0.7200     -0.8836     -1.039     -1.186     -1.325     -1.457     -1.581     -1.698
       -1.808      -1.911      -2.008      -2.098     -2.182     -2.260     -2.332     -2.398     -2.458     -2.513
       -2.563      -2.607      -2.646      -2.679     -2.708     -2.731     -2.749     -2.762     -2.770     -2.773
       -2.771      -2.761      -2.727      -2.673     -2.598     -2.502     -2.385     -2.175     -1.800     -1.319
      -0.7184      1.9987E-02  0.9185      1.999
0HEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  1, STRESS PERIOD  1
0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  1
                                 SECONDS        MINUTES         HOURS           DAYS            YEARS
                            ----------------------------------------------------------------------------
      TIME STEP LENGTH        0.259200E+07    43200.0         720.000         30.0000         0.821355E-01
    STRESS PERIOD TIME        0.259200E+07    43200.0         720.000         30.0000         0.821355E-01
 TOTAL SIMULATION TIME        0.259200E+07    43200.0         720.000         30.0000         0.821355E-01
1
    26 ITERATIONS FOR TIME STEP   2 IN STRESS PERIOD  1
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    4.737     (  1,  1,  2)  0.5842     (  2,  2,  5)  0.8737     (  2, 47,  7)   1.284     (  2, 11, 12)   1.310     (  2, 35, 17
  -0.4873E-01 (  1, 25, 10)  0.4085E-01 (  2,  2, 49)  0.7872E-01 (  2,  3, 47)  0.7261E-01 (  2, 27, 30)  0.7414E-01 (  2, 20, 38
   0.8532E-02 (  1, 47, 11) -0.6940E-02 (  2,  8, 47)  0.1390E-01 (  2, 24, 11) -0.2374E-01 (  2, 23, 38) -0.1411E-01 (  2, 11, 27
  -0.1788E-02 (  2, 10, 11) -0.3605E-02 (  2, 19, 19)  0.4373E-02 (  2, 23, 37) -0.9665E-02 (  2, 21, 20)  0.4587E-02 (  2, 27, 25
  -0.1174E-02 (  1, 21, 23)  0.1125E-02 (  2, 19, 18)  0.2722E-02 (  2, 19, 19)  0.1880E-02 (  2, 23, 12) -0.3407E-02 (  2, 18, 18
   0.6502E-03 (  2, 10, 11)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                    HEAD IN LAYER  1 AT END OF TIME STEP  2 IN STRESS PERIOD  1
            ---------------------------------------------------------------------

            1           2           3           4           5           6           7           8           9          10
           11          12          13          14          15          16          17          18          19          20
           21          22          23          24          25          26          27          28          29          30
           31          32          33          34          35          36          37          38          39          40
           41          42          43          44          45          46          47          48          49          50
           51          52          53          54
 ------------------------------------------------------------------------------------------------------------------------------
0  1    15.93       10.05       7.865       6.182       4.727       3.464       2.369       1.426       0.8203      0.4469
       0.1028     -0.1342     -0.2858     -0.4308     -0.5695     -0.7021     -0.8287     -0.9494     -1.064      -1.174
       -1.278      -1.376      -1.469      -1.557      -1.640      -1.719      -1.792      -1.860      -1.924      -1.983
       -2.037      -2.087      -2.133      -2.174      -2.211      -2.243      -2.272      -2.296      -2.316      -2.332
       -2.343      -2.355      -2.354      -2.336      -2.302      -2.252      -2.186      -2.060      -1.824      -1.515
       -1.128     -0.6545     -1.0168E-02   1.980
0  2    15.81       10.04       7.865       6.183       4.729       3.466       2.373       1.430       0.8242      0.4509
       0.1071     -0.1299     -0.2813     -0.4263     -0.5650     -0.6975     -0.8240     -0.9447     -1.060      -1.169
       -1.273      -1.371      -1.465      -1.553      -1.636      -1.714      -1.787      -1.855      -1.919      -1.978
       -2.033      -2.083      -2.128      -2.170      -2.207      -2.239      -2.267      -2.292      -2.312      -2.328
       -2.339      -2.351      -2.350      -2.333      -2.299      -2.249      -2.182      -2.057      -1.821      -1.513
       -1.127     -0.6537     -1.4387E-02   1.940
0  3    15.93       10.05       7.867       6.186       4.733       3.470       2.378       1.436       0.8302      0.4572
       0.1136     -0.1232     -0.2746     -0.4195     -0.5580     -0.6905     -0.8169     -0.9375     -1.052      -1.162
       -1.266      -1.364      -1.457      -1.545      -1.629      -1.707      -1.780      -1.848      -1.912      -1.971
       -2.026      -2.076      -2.122      -2.163      -2.200      -2.233      -2.261      -2.285      -2.306      -2.321
       -2.333      -2.345      -2.344      -2.327      -2.294      -2.244      -2.178      -2.053      -1.818      -1.510
       -1.124     -0.6517     -9.0956E-03   1.979
0  4    15.93       10.06       7.869       6.188       4.735       3.474       2.382       1.440       0.8353      0.4625
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	0.1190	-0.1176	-0.2689	-0.4137	-0.5522	-0.6845	-0.8109	-0.9315	-1.046	-1.156
	-1.259	-1.358	-1.451	-1.539	-1.622	-1.701	-1.774	-1.842	-1.906	-1.966
	-2.020	-2.070	-2.116	-2.157	-2.194	-2.227	-2.256	-2.280	-2.300	-2.316
	-2.328	-2.340	-2.339	-2.323	-2.289	-2.240	-2.174	-2.049	-1.814	-1.507
	-1.122	-0.6502	-7.7520E-03	1.980						
0 5	15.93	10.06	7.871	6.190	4.739	3.478	2.387	1.446	0.8416	0.4690
	0.1257	-0.1108	-0.2620	-0.4067	-0.5451	-0.6774	-0.8037	-0.9242	-1.039	-1.148
	-1.252	-1.351	-1.444	-1.532	-1.615	-1.693	-1.767	-1.835	-1.899	-1.958
	-2.013	-2.063	-2.109	-2.151	-2.188	-2.221	-2.249	-2.274	-2.294	-2.310
	-2.322	-2.334	-2.334	-2.317	-2.284	-2.235	-2.169	-2.045	-1.810	-1.503
	-1.119	-0.6484	-6.7330E-03	1.980						
0 6	15.93	10.06	7.872	6.193	4.743	3.484	2.393	1.454	0.8492	0.4769
	0.1338	-0.1027	-0.2538	-0.3984	-0.5367	-0.6689	-0.7951	-0.9155	-1.030	-1.139
	-1.243	-1.342	-1.435	-1.523	-1.606	-1.685	-1.758	-1.827	-1.891	-1.950
	-2.005	-2.055	-2.101	-2.143	-2.180	-2.213	-2.242	-2.266	-2.287	-2.303
	-2.315	-2.327	-2.327	-2.310	-2.277	-2.228	-2.163	-2.039	-1.806	-1.500
	-1.116	-0.6463	-5.6316E-03	1.980						
0 7	15.93	10.06	7.874	6.196	4.747	3.490	2.401	1.462	0.8583	0.4862
	0.1432	-9.3067E-02	-0.2441	-0.3886	-0.5269	-0.6590	-0.7851	-0.9054	-1.020	-1.129
	-1.233	-1.331	-1.425	-1.513	-1.596	-1.674	-1.748	-1.817	-1.881	-1.940
	-1.995	-2.046	-2.092	-2.133	-2.171	-2.204	-2.233	-2.257	-2.278	-2.294
	-2.306	-2.319	-2.319	-2.302	-2.270	-2.221	-2.156	-2.033	-1.800	-1.495
	-1.113	-0.6438	-4.3793E-03	1.980						
0 8	15.93	10.06	7.876	6.200	4.752	3.496	2.410	1.472	0.8690	0.4971
	0.1543	-8.1902E-02	-0.2329	-0.3773	-0.5155	-0.6476	-0.7736	-0.8939	-1.009	-1.118
	-1.221	-1.320	-1.413	-1.501	-1.584	-1.663	-1.736	-1.805	-1.869	-1.929
	-1.984	-2.035	-2.081	-2.123	-2.160	-2.193	-2.222	-2.247	-2.268	-2.284
	-2.297	-2.309	-2.309	-2.293	-2.261	-2.213	-2.148	-2.025	-1.793	-1.489
	-1.108	-0.6409	-3.0199E-03	1.980						
0 9	15.93	10.06	7.879	6.203	4.758	3.504	2.420	1.484	0.8816	0.5099
	0.1673	-6.8976E-02	-0.2199	-0.3644	-0.5026	-0.6346	-0.7606	-0.8809	-0.9954	-1.104
	-1.208	-1.307	-1.400	-1.488	-1.571	-1.650	-1.723	-1.792	-1.857	-1.916
	-1.972	-2.022	-2.069	-2.111	-2.148	-2.182	-2.211	-2.236	-2.257	-2.273
	-2.286	-2.298	-2.299	-2.283	-2.251	-2.203	-2.139	-2.017	-1.786	-1.483
	-1.104	-0.6376	-1.9645E-03	1.979						
0 10	15.82	10.05	7.880	6.207	4.764	3.513	2.431	1.498	0.8963	0.5249
	0.1822	-5.4072E-02	-0.2051	-0.3496	-0.4878	-0.6199	-0.7459	-0.8662	-0.9807	-1.090
	-1.193	-1.292	-1.385	-1.473	-1.557	-1.635	-1.709	-1.778	-1.842	-1.902
	-1.957	-2.008	-2.055	-2.097	-2.135	-2.168	-2.198	-2.223	-2.244	-2.260
	-2.273	-2.286	-2.287	-2.272	-2.240	-2.193	-2.128	-2.007	-1.778	-1.476
	-1.098	-0.6339	-3.0031E-03	1.943						
0 11	15.92	10.06	7.882	6.210	4.769	3.520	2.442	1.510	0.9092	0.5379
	0.1952	-4.1252E-02	-0.1924	-0.3370	-0.4754	-0.6075	-0.7336	-0.8538	-0.9684	-1.077
	-1.181	-1.279	-1.373	-1.461	-1.544	-1.623	-1.697	-1.766	-1.830	-1.890
	-1.946	-1.997	-2.043	-2.086	-2.124	-2.157	-2.187	-2.212	-2.233	-2.250
	-2.263	-2.276	-2.277	-2.262	-2.231	-2.184	-2.120	-1.999	-1.771	-1.470
	-1.093	-0.6305	1.1230E-03	1.978						
0 12	15.93	10.06	7.884	6.212	4.772	3.525	2.449	1.519	0.9185	0.5473
	0.2045	-3.2082E-02	-0.1833	-0.3281	-0.4666	-0.5989	-0.7250	-0.8451	-0.9595	-1.069
	-1.172	-1.271	-1.364	-1.453	-1.536	-1.614	-1.688	-1.757	-1.822	-1.882
	-1.937	-1.988	-2.035	-2.078	-2.116	-2.149	-2.179	-2.204	-2.225	-2.242
	-2.255	-2.268	-2.270	-2.255	-2.224	-2.177	-2.114	-1.994	-1.765	-1.466
	-1.090	-0.6282	3.1114E-03	1.980						
0 13	15.93	10.06	7.885	6.214	4.775	3.530	2.457	1.529	0.9286	0.5574
	0.2145	-2.2259E-02	-0.1737	-0.3188	-0.4578	-0.5902	-0.7161	-0.8357	-0.9494	-1.059
	-1.162	-1.261	-1.355	-1.444	-1.527	-1.606	-1.679	-1.748	-1.813	-1.873
	-1.929	-1.980	-2.027	-2.069	-2.107	-2.141	-2.171	-2.196	-2.217	-2.234
	-2.247	-2.261	-2.262	-2.248	-2.217	-2.170	-2.107	-1.988	-1.760	-1.461
	-1.086	-0.6257	4.7025E-03	1.980						
0 14	15.93	10.07	7.886	6.216	4.778	3.536	2.466	1.540	0.9398	0.5683
	0.2252	-1.1781E-02	-0.1636	-0.3094	-0.4499	-0.5829	-0.7078	-0.8255	-0.9358	-1.046
	-1.151	-1.249	-1.345	-1.435	-1.519	-1.597	-1.670	-1.738	-1.803	-1.864
	-1.919	-1.971	-2.018	-2.060	-2.098	-2.132	-2.162	-2.187	-2.209	-2.226
	-2.239	-2.253	-2.254	-2.240	-2.210	-2.163	-2.100	-1.981	-1.754	-1.456
	-1.083	-0.6230	6.1811E-03	1.980						
0 15	15.93	10.07	7.887	6.218	4.781	3.542	2.479	1.555	0.9529	0.5804
	0.2368	-5.7591E-04	-0.1528	-0.3003	-0.4473	-0.5823	-0.7042	-0.8180	-0.9158	-1.025
	-1.134	-1.230	-1.334	-1.428	-1.515	-1.588	-1.658	-1.725	-1.791	-1.853
	-1.910	-1.961	-2.008	-2.051	-2.089	-2.123	-2.153	-2.178	-2.200	-2.217
	-2.230	-2.244	-2.246	-2.232	-2.202	-2.156	-2.093	-1.974	-1.748	-1.451
	-1.078	-0.6201	7.6753E-03	1.980						
0 16	15.93	10.07	7.888	6.220	4.784	3.548	2.501	1.580	0.9699	0.5944

	0.2494	1.1629E-02	-0.1409	-0.2891	-0.4383	-0.5762	-0.6971	-0.8108	-0.9141	-1.017
	-1.114	-1.192	-1.313	-1.428	-1.524	-1.582	-1.646	-1.705	-1.774	-1.841
	-1.899	-1.951	-1.998	-2.041	-2.079	-2.113	-2.143	-2.169	-2.190	-2.208
	-2.221	-2.235	-2.237	-2.224	-2.194	-2.148	-2.086	-1.967	-1.742	-1.446
	-1.074	-0.6171	9.2368E-03	1.980						
0 17	15.93	10.07	7.889	6.221	4.787	3.558	2.551	1.632	0.9976	0.6123
	0.2638	2.5385E-02	-0.1272	-0.2748	-0.4253	-0.5732	-0.6896	-0.7988	-0.9050	-1.008
	-1.101	-1.177	-1.299	-1.419	-1.518	-1.573	-1.635	-1.694	-1.762	-1.830
	-1.888	-1.940	-1.988	-2.030	-2.069	-2.103	-2.133	-2.159	-2.180	-2.198
	-2.211	-2.225	-2.228	-2.215	-2.185	-2.140	-2.078	-1.960	-1.735	-1.440
	-1.069	-0.6139	1.0886E-02	1.980						
0 18	15.93	10.07	7.890	6.223	4.790	3.573	2.686	1.770	1.055	0.6399
	0.2819	4.2157E-02	-0.1099	-0.2527	-0.3762	-0.5397	-0.6994	-0.7902	-0.8939	-0.9956
	-1.088	-1.168	-1.290	-1.412	-1.504	-1.561	-1.623	-1.682	-1.750	-1.819
	-1.877	-1.929	-1.977	-2.019	-2.058	-2.092	-2.122	-2.148	-2.170	-2.187
	-2.201	-2.215	-2.218	-2.205	-2.176	-2.131	-2.069	-1.952	-1.728	-1.434
	-1.064	-0.6105	1.2630E-02	1.980						
0 19	15.93	10.07	7.890	6.224	4.794	3.600	3.072	2.163	1.194	0.6922
	0.3091	6.6065E-02	-8.6783E-02	-0.2316	-0.3684	-0.5049	-0.6463	-0.7621	-0.8726	-0.9751
	-1.057	-1.195	-1.300	-1.423	-1.479	-1.543	-1.608	-1.668	-1.737	-1.806
	-1.865	-1.917	-1.965	-2.007	-2.046	-2.080	-2.111	-2.137	-2.159	-2.177
	-2.190	-2.205	-2.208	-2.195	-2.167	-2.122	-2.060	-1.944	-1.721	-1.427
	-1.059	-0.6068	1.4464E-02	1.980						
0 20	15.93	10.07	7.891	6.225	4.797	3.648	4.185	3.296	1.564	0.8072
	0.3597	0.1111	-4.2473E-02	-0.1881	-0.3272	-0.4617	-0.5922	-0.7134	-0.8282	-0.9340
	-1.017	-1.182	-1.287	-1.402	-1.455	-1.522	-1.589	-1.651	-1.721	-1.791
	-1.850	-1.903	-1.951	-1.994	-2.033	-2.068	-2.098	-2.125	-2.147	-2.165
	-2.179	-2.194	-2.197	-2.185	-2.157	-2.112	-2.051	-1.935	-1.713	-1.420
	-1.054	-0.6029	1.6355E-02	1.980						
0 21	15.93	10.07	7.891	6.226	4.799	3.707	7.236	6.419	2.539	1.074
	0.4721	0.2191	6.7187E-02	-7.7534E-02	-0.2167	-0.3507	-0.4797	-0.6034	-0.7235	-0.8397
	-0.9387	-1.149	-1.258	-1.354	-1.415	-1.488	-1.562	-1.627	-1.698	-1.769
	-1.829	-1.884	-1.933	-1.977	-2.017	-2.052	-2.084	-2.110	-2.133	-2.152
	-2.166	-2.182	-2.186	-2.174	-2.146	-2.102	-2.041	-1.925	-1.704	-1.413
	-1.048	-0.5987	1.8217E-02	1.980						
0 22	15.92	10.07	7.892	6.226	4.799	3.651	4.193	3.463	4.983	1.683
	0.7458	0.5163	0.3759	0.2352	9.6934E-02	-3.7035E-02	-0.1666	-0.2939	-0.4252	-0.5726
	-0.7399	-0.8569	-1.001	-1.189	-1.303	-1.401	-1.494	-1.575	-1.650	-1.723
	-1.788	-1.847	-1.901	-1.949	-1.991	-2.029	-2.063	-2.091	-2.115	-2.135
	-2.151	-2.167	-2.173	-2.162	-2.134	-2.091	-2.030	-1.915	-1.695	-1.405
	-1.041	-0.5942	1.9864E-02	1.978						
0 23	15.84	10.06	7.892	6.226	4.798	3.606	3.081	2.432	7.039	2.968
	1.434	1.377	1.275	1.143	1.006	0.8727	0.7426	0.6116	0.4619	0.2408
	-0.1398	-0.3685	-0.5680	-0.8160	-0.9877	-1.130	-1.280	-1.398	-1.500	-1.601
	-1.685	-1.759	-1.827	-1.886	-1.937	-1.983	-2.022	-2.056	-2.085	-2.109
	-2.127	-2.147	-2.156	-2.147	-2.121	-2.078	-2.019	-1.905	-1.685	-1.396
	-1.034	-0.5895	2.1215E-02	1.950						
0 24	15.91	10.06	7.892	6.226	4.797	3.587	2.780	2.101	6.151	5.465
	2.729	3.255	3.200	3.070	2.934	2.803	2.676	2.548	2.396	2.089
	1.091	0.7550	0.4727	-6.1480E-02	-0.3254	-0.5376	-0.8329	-1.017	-1.168	-1.341
	-1.467	-1.570	-1.677	-1.760	-1.829	-1.895	-1.948	-1.993	-2.033	-2.067
	-2.092	-2.120	-2.136	-2.132	-2.109	-2.067	-2.008	-1.896	-1.677	-1.389
	-1.028	-0.5855	2.3837E-02	1.975						
0 25	15.93	10.07	7.892	6.226	4.796	3.578	2.664	1.940	4.304	8.431
	4.057	5.426	5.346	5.206	5.071	4.943	4.821	4.702	4.570	4.291
	2.367	2.052	1.739	0.7725	0.4502	0.1854	-0.3187	-0.5640	-0.7598	-1.036
	-1.205	-1.340	-1.498	-1.609	-1.699	-1.791	-1.861	-1.919	-1.974	-2.019
	-2.054	-2.090	-2.115	-2.118	-2.098	-2.057	-2.000	-1.889	-1.671	-1.385
	-1.024	-0.5828	2.5562E-02	1.979						
0 26	15.93	10.07	7.892	6.226	4.795	3.572	2.597	1.828	3.170	8.336
	5.974	3.535	3.199	3.022	2.877	2.744	2.619	2.503	2.411	2.473
	4.161	4.211	3.970	2.067	1.769	1.473	0.5258	0.2209	-2.7935E-02	-0.5160
	-0.7462	-0.9275	-1.189	-1.344	-1.466	-1.611	-1.709	-1.788	-1.873	-1.938
	-1.990	-2.041	-2.083	-2.096	-2.082	-2.044	-1.990	-1.882	-1.664	-1.379
	-1.020	-0.5799	2.7198E-02	1.980						
0 27	15.93	10.07	7.892	6.226	4.795	3.568	2.558	1.749	2.377	5.072
	3.663	2.222	1.872	1.682	1.532	1.397	1.271	1.158	1.082	1.167
	1.917	2.032	2.151	3.877	3.947	3.722	1.829	1.547	1.267	0.3329
	4.2363E-02	-0.1924	-0.6669	-0.8836	-1.052	-1.300	-1.444	-1.557	-1.696	-1.799
	-1.882	-1.957	-2.030	-2.063	-2.060	-2.026	-1.976	-1.873	-1.656	-1.373
	-1.015	-0.5769	2.8769E-02	1.980						
0 28	15.93	10.07	7.892	6.226	4.794	3.564	2.534	1.695	1.852	3.139

	2.253	1.370	1.069	0.8815	0.7311	0.5955	0.4700	0.3581	0.2807	0.3141
	0.6249	0.7070	0.8474	1.629	1.764	1.900	3.650	3.735	3.525	1.641
	1.373	1.106	0.1840	-9.3448E-02	-0.3153	-0.7778	-0.9833	-1.143	-1.393	-1.555
	-1.697	-1.810	-1.939	-2.009	-2.025	-1.997	-1.955	-1.861	-1.646	-1.366
	-1.009	-0.5735	3.0312E-02	1.980						
0 29	15.93	10.07	7.892	6.226	4.793	3.561	2.519	1.657	1.517	2.029
	1.418	0.8399	0.5904	0.4127	0.2641	0.1290	3.6750E-03	-0.1090	-0.1946	-0.2126
	-0.1103	-8.1139E-02	-1.0333E-03	0.3367	0.4380	0.5956	1.396	1.547	1.699	3.469
	3.568	3.370	1.495	1.240	0.9849	7.4092E-02	-0.1926	-0.4081	-0.8789	-1.131
	-1.382	-1.553	-1.782	-1.916	-1.966	-1.949	-1.922	-1.843	-1.631	-1.357
	-1.002	-0.5697	3.1871E-02	1.980						
0 30	15.93	10.07	7.892	6.225	4.793	3.559	2.509	1.631	1.308	1.405
	0.9344	0.5191	0.3082	0.1408	-5.1923E-03	-0.1394	-0.2646	-0.3788	-0.4731	-0.5275
	-0.5262	-0.5421	-0.5230	-0.3970	-0.3495	-0.2526	0.1019	0.2187	0.3915	1.209
	1.374	1.540	3.327	3.439	3.254	1.387	1.142	0.8926	-3.4904E-02	-0.3919
	-0.8570	-1.101	-1.509	-1.756	-1.867	-1.866	-1.867	-1.817	-1.608	-1.345
	-0.9917	-0.5652	3.3487E-02	1.980						
0 31	15.93	10.07	7.892	6.225	4.792	3.557	2.503	1.613	1.181	1.058
	0.6570	0.3283	0.1427	-1.6435E-02	-0.1598	-0.2932	-0.4183	-0.5339	-0.6351	-0.7123
	-0.7611	-0.8086	-0.8335	-0.8110	-0.8093	-0.7739	-0.6320	-0.5693	-0.4575	-8.7705E-02
	4.3333E-02	0.2303	1.062	1.241	1.420	3.223	3.346	3.166	1.278	0.8922
	-7.0241E-03	-0.3129	-1.038	-1.481	-1.698	-1.721	-1.774	-1.775	-1.571	-1.327
	-0.9770	-0.5596	3.5215E-02	1.980						
0 32	15.93	10.07	7.892	6.225	4.791	3.555	2.497	1.600	1.103	0.8660
	0.4986	0.2155	4.5396E-02	-0.1077	-0.2491	-0.3817	-0.5067	-0.6235	-0.7294	-0.8200
	-0.8941	-0.9620	-1.015	-1.044	-1.075	-1.084	-1.046	-1.029	-0.9788	-0.8222
	-0.7453	-0.6195	-0.2356	-9.1255E-02	0.1089	0.9549	1.145	1.334	3.134	3.120
	1.298	1.041	-0.2342	-1.008	-1.408	-1.464	-1.612	-1.704	-1.509	-1.300
	-0.9538	-0.5520	3.7135E-02	1.980						
0 33	15.93	10.07	7.892	6.224	4.790	3.553	2.493	1.590	1.056	0.7586
	0.4078	0.1486	-1.2366E-02	-0.1615	-0.3013	-0.4333	-0.5582	-0.6758	-0.7847	-0.8829
	-0.9702	-1.050	-1.120	-1.176	-1.227	-1.264	-1.278	-1.294	-1.288	-1.236
	-1.205	-1.141	-0.9706	-0.8804	-0.7414	-0.3441	-0.1864	2.9301E-02	0.9071	1.265
	3.124	3.314	1.106	-0.2041	-0.9133	-1.009	-1.330	-1.583	-1.401	-1.255
	-0.9152	-0.5409	3.9364E-02	1.980						
0 34	15.93	10.07	7.891	6.224	4.790	3.552	2.489	1.582	1.026	0.6977
	0.3548	0.1082	-4.7466E-02	-0.1941	-0.3327	-0.4642	-0.5891	-0.7072	-0.8179	-0.9203
	-1.014	-1.102	-1.181	-1.251	-1.315	-1.369	-1.410	-1.446	-1.468	-1.468
	-1.470	-1.450	-1.384	-1.340	-1.263	-1.079	-0.9745	-0.8162	-0.3744	-4.6154E-02
	0.8515	1.176	3.269	1.135	-8.3635E-02	-0.2106	-0.8444	-1.375	-1.210	-1.179
	-0.8490	-0.5239	4.2089E-02	1.980						
0 35	15.93	10.07	7.891	6.224	4.789	3.550	2.486	1.576	1.007	0.6622
	0.3231	8.3087E-02	-6.9630E-02	-0.2147	-0.3525	-0.4837	-0.6085	-0.7269	-0.8386	-0.9433
	-1.041	-1.132	-1.217	-1.294	-1.366	-1.429	-1.484	-1.533	-1.573	-1.599
	-1.621	-1.630	-1.616	-1.604	-1.571	-1.492	-1.433	-1.336	-1.110	-0.8872
	-0.4461	-0.1661	1.118	3.298	1.276	1.166	-1.6852E-02	-1.019	-0.8736	-1.048
	-0.7329	-0.4966	4.5583E-02	1.981						
0 36	15.94	10.07	7.891	6.223	4.788	3.548	2.483	1.571	0.9939	0.6406
	0.3031	6.6611E-02	-8.4415E-02	-0.2285	-0.3658	-0.4967	-0.6214	-0.7399	-0.8522	-0.9581
	-1.058	-1.151	-1.239	-1.320	-1.396	-1.465	-1.527	-1.584	-1.633	-1.673
	-1.708	-1.734	-1.746	-1.755	-1.750	-1.723	-1.696	-1.644	-1.530	-1.397
	-1.176	-0.9772	-0.2070	1.154	3.429	3.475	1.360	-0.4124	-0.2843	-0.8245
	-0.5283	-0.4516	5.0239E-02	1.983						
0 37	15.96	10.07	7.891	6.223	4.787	3.547	2.480	1.566	0.9844	0.6265
	0.2898	5.5118E-02	-9.4960E-02	-0.2384	-0.3754	-0.5061	-0.6307	-0.7493	-0.8618	-0.9683
	-1.069	-1.164	-1.253	-1.336	-1.414	-1.487	-1.553	-1.613	-1.668	-1.716
	-1.758	-1.793	-1.820	-1.841	-1.853	-1.851	-1.845	-1.823	-1.767	-1.693
	-1.581	-1.452	-0.9924	-0.1599	1.186	1.388	3.575	0.6019	0.7328	-0.4409
	-0.1679	-0.3763	5.6550E-02	1.991						
0 38	15.94	10.07	7.890	6.222	4.785	3.544	2.476	1.559	0.9734	0.6119
	0.2756	4.2258E-02	-0.1070	-0.2499	-0.3866	-0.5170	-0.6415	-0.7601	-0.8728	-0.9798
	-1.081	-1.177	-1.267	-1.352	-1.432	-1.507	-1.576	-1.640	-1.699	-1.753
	-1.801	-1.844	-1.881	-1.913	-1.939	-1.957	-1.970	-1.973	-1.963	-1.942
	-1.908	-1.854	-1.664	-1.310	-0.7674	-0.5575	0.4464	3.048	3.263	0.5282
	0.7702	-0.1866	6.9268E-02	1.983						
0 39	15.97	10.07	7.890	6.221	4.783	3.541	2.470	1.552	0.9628	0.5993
	0.2629	3.0127E-02	-0.1188	-0.2614	-0.3978	-0.5281	-0.6524	-0.7709	-0.8836	-0.9907
	-1.092	-1.188	-1.279	-1.365	-1.446	-1.521	-1.592	-1.657	-1.718	-1.774
	-1.825	-1.871	-1.913	-1.950	-1.981	-2.008	-2.029	-2.045	-2.054	-2.056
	-2.052	-2.037	-1.969	-1.836	-1.635	-1.500	-1.095	-8.7789E-02	0.2402	3.834
	4.144	0.4755	0.1009	1.993						
0 40	15.93	10.07	7.889	6.219	4.781	3.536	2.463	1.541	0.9495	0.5846

	0.2478	1.5197E-02	-0.1336	-0.2759	-0.4121	-0.5423	-0.6664	-0.7847	-0.8974	-1.004
	-1.106	-1.202	-1.293	-1.379	-1.460	-1.536	-1.607	-1.674	-1.735	-1.792
	-1.844	-1.892	-1.935	-1.974	-2.009	-2.039	-2.064	-2.085	-2.102	-2.114
	-2.121	-2.126	-2.111	-2.073	-2.011	-1.941	-1.817	-1.548	-1.280	-0.3944
	6.3731E-02	3.007	0.1716	1.981						
0 41	15.93	10.07	7.888	6.217	4.777	3.530	2.454	1.529	0.9352	0.5693
	0.2318	-8.8230E-04	-0.1496	-0.2920	-0.4281	-0.5582	-0.6822	-0.8005	-0.9130	-1.020
	-1.122	-1.218	-1.309	-1.395	-1.476	-1.552	-1.623	-1.689	-1.751	-1.808
	-1.861	-1.909	-1.953	-1.992	-2.027	-2.058	-2.084	-2.107	-2.125	-2.138
	-2.148	-2.157	-2.152	-2.130	-2.092	-2.038	-1.965	-1.824	-1.589	-1.219
	-0.8312	-6.1391E-02	7.4994E-02	1.980						
0 42	15.93	10.07	7.886	6.215	4.773	3.524	2.446	1.519	0.9235	0.5567
	0.2187	-1.4238E-02	-0.1631	-0.3055	-0.4417	-0.5717	-0.6958	-0.8140	-0.9265	-1.033
	-1.135	-1.231	-1.322	-1.408	-1.489	-1.565	-1.636	-1.703	-1.765	-1.822
	-1.875	-1.923	-1.967	-2.007	-2.042	-2.073	-2.099	-2.122	-2.140	-2.155
	-2.165	-2.174	-2.171	-2.151	-2.116	-2.066	-1.999	-1.874	-1.646	-1.343
	-0.9760	-0.4955	4.4757E-02	1.980						
0 43	15.93	10.07	7.885	6.213	4.770	3.520	2.440	1.510	0.9138	0.5464
	0.2079	-2.5232E-02	-0.1742	-0.3167	-0.4529	-0.5830	-0.7071	-0.8254	-0.9379	-1.045
	-1.146	-1.243	-1.334	-1.420	-1.500	-1.576	-1.648	-1.714	-1.776	-1.833
	-1.886	-1.935	-1.979	-2.018	-2.054	-2.085	-2.112	-2.135	-2.153	-2.168
	-2.178	-2.188	-2.185	-2.166	-2.132	-2.082	-2.016	-1.894	-1.667	-1.372
	-1.008	-0.5611	3.4950E-02	1.980						
0 44	15.93	10.07	7.884	6.211	4.767	3.516	2.434	1.503	0.9060	0.5381
	0.1993	-3.4095E-02	-0.1832	-0.3258	-0.4621	-0.5923	-0.7164	-0.8347	-0.9473	-1.054
	-1.156	-1.252	-1.343	-1.429	-1.510	-1.586	-1.657	-1.724	-1.786	-1.843
	-1.896	-1.944	-1.988	-2.028	-2.064	-2.095	-2.122	-2.145	-2.164	-2.178
	-2.189	-2.199	-2.196	-2.178	-2.144	-2.094	-2.029	-1.907	-1.680	-1.387
	-1.022	-0.5771	2.9870E-02	1.980						
0 45	15.93	10.07	7.884	6.210	4.765	3.512	2.430	1.498	0.8999	0.5316
	0.1925	-4.0999E-02	-0.1902	-0.3329	-0.4692	-0.5995	-0.7237	-0.8421	-0.9548	-1.062
	-1.163	-1.260	-1.351	-1.437	-1.518	-1.594	-1.665	-1.732	-1.793	-1.851
	-1.904	-1.952	-1.996	-2.036	-2.072	-2.103	-2.130	-2.153	-2.172	-2.187
	-2.198	-2.208	-2.205	-2.187	-2.153	-2.104	-2.039	-1.917	-1.691	-1.397
	-1.031	-0.5849	2.6673E-02	1.980						
0 46	15.97	10.07	7.883	6.208	4.763	3.510	2.427	1.494	0.8955	0.5269
	0.1876	-4.6070E-02	-0.1953	-0.3381	-0.4745	-0.6048	-0.7291	-0.8475	-0.9603	-1.067
	-1.169	-1.265	-1.356	-1.442	-1.523	-1.600	-1.671	-1.737	-1.799	-1.857
	-1.910	-1.958	-2.002	-2.042	-2.078	-2.109	-2.136	-2.159	-2.178	-2.193
	-2.204	-2.214	-2.212	-2.194	-2.160	-2.111	-2.046	-1.925	-1.698	-1.404
	-1.038	-0.5899	2.5837E-02	1.994						
0 47	15.93	10.07	7.882	6.207	4.762	3.508	2.423	1.490	0.8911	0.5222
	0.1827	-5.1062E-02	-0.2004	-0.3432	-0.4797	-0.6101	-0.7344	-0.8529	-0.9657	-1.073
	-1.175	-1.271	-1.362	-1.448	-1.529	-1.605	-1.677	-1.743	-1.805	-1.863
	-1.915	-1.964	-2.008	-2.048	-2.083	-2.115	-2.142	-2.165	-2.184	-2.199
	-2.210	-2.221	-2.218	-2.201	-2.167	-2.118	-2.053	-1.932	-1.705	-1.411
	-1.044	-0.5947	2.1403E-02	1.980						

1 HEAD IN LAYER 2 AT END OF TIME STEP 2 IN STRESS PERIOD 1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54						

0 1	16.00	13.62	11.47	9.558	7.856	6.351	5.029	3.872	3.119	2.652
	2.220	1.919	1.727	1.542	1.365	1.196	1.033	0.8778	0.7293	0.5875
	0.4525	0.3240	0.2019	8.6193E-02	-2.3340E-02	-0.1268	-0.2242	-0.3157	-0.4013	-0.4813
	-0.5556	-0.6242	-0.6874	-0.7452	-0.7976	-0.8446	-0.8864	-0.9230	-0.9545	-0.9808
	-1.002	-1.026	-1.039	-1.031	-1.004	-0.9575	-0.8911	-0.7620	-0.5105	-0.1782
	0.2370	0.7375	1.326	1.999						
0 2	15.99	13.62	11.48	9.560	7.859	6.355	5.033	3.877	3.124	2.658
	2.226	1.926	1.733	1.549	1.372	1.202	1.040	0.8844	0.7359	0.5942
	0.4591	0.3306	0.2085	9.2704E-02	-1.6872E-02	-0.1203	-0.2178	-0.3093	-0.3951	-0.4751
	-0.5494	-0.6181	-0.6814	-0.7392	-0.7916	-0.8387	-0.8806	-0.9173	-0.9488	-0.9752
	-0.9965	-1.021	-1.033	-1.026	-0.9993	-0.9528	-0.8866	-0.7579	-0.5069	-0.1752
	0.2393	0.7390	1.326	1.998						
0 3	16.00	13.62	11.48	9.564	7.863	6.361	5.040	3.885	3.133	2.667
	2.235	1.935	1.743	1.559	1.382	1.212	1.050	0.8944	0.7459	0.6042
	0.4692	0.3406	0.2185	0.1027	-6.9615E-03	-0.1105	-0.2080	-0.2996	-0.3854	-0.4655

	-0.5399	-0.6087	-0.6721	-0.7300	-0.7825	-0.8297	-0.8717	-0.9085	-0.9401	-0.9666
	-0.9880	-1.013	-1.025	-1.019	-0.9919	-0.9457	-0.8798	-0.7516	-0.5015	-0.1707
	0.2428	0.7415	1.328	1.999						
0 4	16.00	13.62	11.48	9.567	7.867	6.366	5.046	3.892	3.140	2.674
	2.243	1.943	1.751	1.567	1.390	1.220	1.058	0.9028	0.7544	0.6127
	0.4777	0.3491	0.2270	0.1111	1.4532E-03	-0.1021	-0.1997	-0.2914	-0.3772	-0.4574
	-0.5319	-0.6008	-0.6642	-0.7222	-0.7748	-0.8221	-0.8642	-0.9011	-0.9328	-0.9594
	-0.9809	-1.006	-1.019	-1.012	-0.9856	-0.9397	-0.8741	-0.7463	-0.4969	-0.1669
	0.2457	0.7435	1.329	1.999						
0 5	16.00	13.63	11.48	9.570	7.872	6.372	5.053	3.900	3.149	2.684
	2.252	1.953	1.761	1.577	1.400	1.231	1.068	0.9131	0.7647	0.6230
	0.4880	0.3595	0.2373	0.1214	1.1718E-02	-9.1916E-02	-0.1896	-0.2813	-0.3673	-0.4475
	-0.5221	-0.5911	-0.6546	-0.7127	-0.7655	-0.8129	-0.8551	-0.8921	-0.9239	-0.9506
	-0.9723	-0.9972	-1.011	-1.004	-0.9780	-0.9323	-0.8671	-0.7399	-0.4913	-0.1622
	0.2494	0.7460	1.330	1.999						
0 6	16.00	13.63	11.49	9.574	7.877	6.379	5.062	3.910	3.160	2.695
	2.263	1.964	1.772	1.588	1.412	1.242	1.080	0.9252	0.7769	0.6353
	0.5003	0.3717	0.2496	0.1336	2.3882E-02	-7.9819E-02	-0.1776	-0.2694	-0.3555	-0.4358
	-0.5105	-0.5797	-0.6433	-0.7015	-0.7544	-0.8020	-0.8443	-0.8814	-0.9134	-0.9403
	-0.9621	-0.9872	-1.001	-0.9947	-0.9690	-0.9237	-0.8588	-0.7322	-0.4846	-0.1566
	0.2537	0.7490	1.332	1.999						
0 7	16.00	13.63	11.49	9.578	7.884	6.387	5.072	3.922	3.172	2.708
	2.277	1.978	1.786	1.602	1.426	1.256	1.094	0.9392	0.7910	0.6494
	0.5145	0.3860	0.2638	0.1478	3.8007E-02	-6.5770E-02	-0.1636	-0.2556	-0.3417	-0.4222
	-0.4971	-0.5664	-0.6302	-0.6885	-0.7416	-0.7893	-0.8318	-0.8690	-0.9012	-0.9282
	-0.9502	-0.9756	-0.9895	-0.9838	-0.9584	-0.9135	-0.8492	-0.7233	-0.4768	-0.1501
	0.2588	0.7525	1.333	1.999						
0 8	16.00	13.63	11.49	9.583	7.891	6.397	5.084	3.936	3.187	2.723
	2.292	1.993	1.802	1.618	1.441	1.272	1.110	0.9553	0.8071	0.6657
	0.5307	0.4022	0.2800	0.1640	5.4159E-02	-4.9699E-02	-0.1476	-0.2397	-0.3260	-0.4067
	-0.4817	-0.5511	-0.6151	-0.6737	-0.7269	-0.7747	-0.8174	-0.8549	-0.8872	-0.9144
	-0.9365	-0.9622	-0.9766	-0.9712	-0.9463	-0.9019	-0.8380	-0.7130	-0.4678	-0.1426
	0.2647	0.7565	1.336	1.999						
0 9	16.00	13.63	11.49	9.588	7.898	6.408	5.098	3.953	3.205	2.741
	2.310	2.011	1.820	1.636	1.460	1.290	1.129	0.9736	0.8254	0.6840
	0.5490	0.4206	0.2983	0.1823	7.2405E-02	-3.1535E-02	-0.1296	-0.2218	-0.3083	-0.3890
	-0.4642	-0.5339	-0.5980	-0.6568	-0.7102	-0.7583	-0.8011	-0.8388	-0.8713	-0.8987
	-0.9210	-0.9470	-0.9618	-0.9569	-0.9325	-0.8887	-0.8254	-0.7013	-0.4575	-0.1339
	0.2714	0.7611	1.338	1.999						
0 10	15.99	13.63	11.50	9.594	7.907	6.420	5.114	3.972	3.225	2.761
	2.331	2.032	1.840	1.656	1.480	1.311	1.149	0.9940	0.8459	0.7045
	0.5696	0.4411	0.3189	0.2028	9.2826E-02	-1.1193E-02	-0.1093	-0.2017	-0.2883	-0.3693
	-0.4446	-0.5145	-0.5789	-0.6378	-0.6914	-0.7397	-0.7828	-0.8207	-0.8534	-0.8810
	-0.9036	-0.9299	-0.9452	-0.9408	-0.9170	-0.8737	-0.8111	-0.6880	-0.4457	-0.1240
	0.2792	0.7665	1.340	1.998						
0 11	16.00	13.63	11.50	9.598	7.913	6.430	5.128	3.988	3.242	2.779
	2.349	2.049	1.858	1.674	1.497	1.328	1.166	1.011	0.8631	0.7216
	0.5867	0.4582	0.3360	0.2199	0.1099	5.8129E-03	-9.2413E-02	-0.1849	-0.2716	-0.3527
	-0.4282	-0.4983	-0.5628	-0.6219	-0.6757	-0.7242	-0.7674	-0.8055	-0.8384	-0.8662
	-0.8889	-0.9156	-0.9312	-0.9273	-0.9039	-0.8611	-0.7990	-0.6767	-0.4358	-0.1156
	0.2858	0.7710	1.343	1.999						
0 12	16.00	13.63	11.50	9.601	7.918	6.436	5.138	4.000	3.255	2.792
	2.361	2.062	1.870	1.686	1.510	1.340	1.178	1.023	0.8751	0.7336
	0.5987	0.4702	0.3479	0.2318	0.1218	1.7672E-02	-8.0596E-02	-0.1731	-0.2599	-0.3411
	-0.4167	-0.4868	-0.5515	-0.6108	-0.6647	-0.7133	-0.7566	-0.7948	-0.8278	-0.8558
	-0.8786	-0.9054	-0.9214	-0.9178	-0.8947	-0.8523	-0.7905	-0.6688	-0.4288	-0.1097
	0.2905	0.7743	1.345	1.999						
0 13	16.00	13.64	11.50	9.603	7.922	6.444	5.149	4.013	3.269	2.806
	2.375	2.075	1.884	1.699	1.523	1.353	1.191	1.036	0.8878	0.7462
	0.6113	0.4827	0.3604	0.2443	0.1342	3.0053E-02	-6.8245E-02	-0.1608	-0.2477	-0.3289
	-0.4046	-0.4748	-0.5396	-0.5990	-0.6530	-0.7017	-0.7452	-0.7835	-0.8167	-0.8447
	-0.8678	-0.8948	-0.9110	-0.9077	-0.8850	-0.8429	-0.7815	-0.6604	-0.4213	-0.1034
	0.2955	0.7777	1.346	1.999						
0 14	16.00	13.64	11.50	9.606	7.927	6.451	5.160	4.027	3.283	2.820
	2.390	2.090	1.898	1.713	1.537	1.367	1.205	1.049	0.9011	0.7595
	0.6245	0.4958	0.3735	0.2573	0.1471	4.2978E-02	-5.5339E-02	-0.1479	-0.2348	-0.3161
	-0.3919	-0.4622	-0.5271	-0.5865	-0.6407	-0.6895	-0.7332	-0.7716	-0.8049	-0.8331
	-0.8563	-0.8835	-0.9001	-0.8972	-0.8748	-0.8330	-0.7720	-0.6516	-0.4134	-9.6643E-02
	0.3008	0.7814	1.348	1.999						
0 15	16.00	13.64	11.51	9.608	7.931	6.458	5.172	4.043	3.299	2.836
	2.405	2.105	1.913	1.728	1.551	1.382	1.219	1.064	0.9152	0.7735
	0.6383	0.5096	0.3871	0.2708	0.1607	5.6465E-02	-4.1863E-02	-0.1344	-0.2214	-0.3028

	-0.3786	-0.4490	-0.5139	-0.5735	-0.6278	-0.6767	-0.7205	-0.7591	-0.7925	-0.8209
	-0.8442	-0.8717	-0.8886	-0.8860	-0.8640	-0.8226	-0.7620	-0.6422	-0.4051	-8.9501E-02
	0.3064	0.7854	1.350	1.999						
0 16	16.00	13.64	11.51	9.611	7.935	6.466	5.185	4.059	3.316	2.853
	2.421	2.121	1.929	1.744	1.567	1.397	1.234	1.079	0.9300	0.7882
	0.6529	0.5240	0.4014	0.2850	0.1747	7.0534E-02	-2.7803E-02	-0.1204	-0.2074	-0.2888
	-0.3647	-0.4351	-0.5001	-0.5598	-0.6142	-0.6633	-0.7072	-0.7459	-0.7795	-0.8081
	-0.8315	-0.8593	-0.8766	-0.8743	-0.8526	-0.8117	-0.7515	-0.6323	-0.3962	-8.1916E-02
	0.3125	0.7896	1.352	1.999						
0 17	16.00	13.64	11.51	9.613	7.939	6.473	5.199	4.077	3.334	2.871
	2.439	2.138	1.946	1.761	1.583	1.413	1.250	1.094	0.9457	0.8036
	0.6682	0.5392	0.4164	0.2998	0.1895	8.5224E-02	-1.3141E-02	-0.1058	-0.1927	-0.2742
	-0.3501	-0.4206	-0.4857	-0.5455	-0.6000	-0.6492	-0.6932	-0.7321	-0.7659	-0.7946
	-0.8182	-0.8462	-0.8639	-0.8620	-0.8407	-0.8002	-0.7404	-0.6219	-0.3868	-7.3860E-02
	0.3189	0.7940	1.355	1.999						
0 18	16.00	13.64	11.51	9.615	7.943	6.480	5.215	4.097	3.354	2.890
	2.457	2.156	1.963	1.778	1.601	1.430	1.267	1.111	0.9622	0.8199
	0.6842	0.5550	0.4321	0.3154	0.2049	0.1006	2.1534E-03	-9.0499E-02	-0.1775	-0.2590
	-0.3350	-0.4055	-0.4707	-0.5305	-0.5851	-0.6344	-0.6786	-0.7176	-0.7516	-0.7804
	-0.8043	-0.8326	-0.8506	-0.8491	-0.8282	-0.7880	-0.7287	-0.6109	-0.3769	-6.5306E-02
	0.3257	0.7988	1.357	1.999						
0 19	16.00	13.64	11.51	9.617	7.946	6.487	5.231	4.118	3.375	2.909
	2.476	2.175	1.982	1.797	1.619	1.448	1.285	1.129	0.9796	0.8371
	0.7012	0.5716	0.4485	0.3316	0.2211	0.1166	1.8111E-02	-7.4603E-02	-0.1617	-0.2432
	-0.3192	-0.3897	-0.4550	-0.5149	-0.5695	-0.6190	-0.6633	-0.7025	-0.7366	-0.7656
	-0.7897	-0.8182	-0.8366	-0.8355	-0.8151	-0.7753	-0.7164	-0.5993	-0.3664	-5.6222E-02
	0.3330	0.8039	1.360	1.999						
0 20	16.00	13.64	11.51	9.618	7.948	6.492	5.247	4.139	3.397	2.930
	2.495	2.194	2.001	1.816	1.638	1.467	1.304	1.147	0.9980	0.8552
	0.7190	0.5891	0.4657	0.3487	0.2380	0.1334	3.4754E-02	-5.8047E-02	-0.1452	-0.2267
	-0.3028	-0.3734	-0.4386	-0.4986	-0.5533	-0.6029	-0.6473	-0.6866	-0.7209	-0.7501
	-0.7744	-0.8032	-0.8220	-0.8213	-0.8013	-0.7620	-0.7035	-0.5871	-0.3553	-4.6571E-02
	0.3408	0.8093	1.362	1.999						
0 21	16.00	13.64	11.51	9.619	7.950	6.495	5.259	4.156	3.419	2.951
	2.515	2.213	2.020	1.835	1.657	1.487	1.323	1.167	1.017	0.8742
	0.7377	0.6075	0.4839	0.3666	0.2556	0.1509	5.2092E-02	-4.0823E-02	-0.1280	-0.2096
	-0.2857	-0.3563	-0.4216	-0.4816	-0.5365	-0.5861	-0.6306	-0.6701	-0.7045	-0.7339
	-0.7584	-0.7875	-0.8067	-0.8065	-0.7868	-0.7480	-0.6899	-0.5742	-0.3436	-3.6319E-02
	0.3491	0.8150	1.365	1.999						
0 22	16.00	13.64	11.51	9.620	7.951	6.496	5.255	4.156	3.440	2.972
	2.534	2.233	2.040	1.854	1.677	1.506	1.343	1.187	1.037	0.8938
	0.7571	0.6268	0.5029	0.3853	0.2741	0.1691	7.0097E-02	-2.2951E-02	-0.1102	-0.1919
	-0.2680	-0.3387	-0.4040	-0.4640	-0.5189	-0.5687	-0.6133	-0.6529	-0.6875	-0.7171
	-0.7417	-0.7711	-0.7908	-0.7909	-0.7717	-0.7333	-0.6757	-0.5607	-0.3312	-2.5423E-02
	0.3580	0.8212	1.368	1.999						
0 23	15.99	13.64	11.51	9.620	7.951	6.495	5.246	4.150	3.452	2.990
	2.552	2.251	2.058	1.873	1.695	1.525	1.362	1.206	1.056	0.9132
	0.7762	0.6458	0.5219	0.4041	0.2928	0.1877	8.8566E-02	-4.5716E-03	-9.1900E-02	-0.1736
	-0.2497	-0.3204	-0.3858	-0.4458	-0.5007	-0.5505	-0.5953	-0.6350	-0.6697	-0.6995
	-0.7243	-0.7540	-0.7741	-0.7747	-0.7559	-0.7179	-0.6608	-0.5465	-0.3180	-1.3841E-02
	0.3675	0.8278	1.372	1.998						
0 24	16.00	13.64	11.51	9.620	7.951	6.493	5.239	4.143	3.449	2.999
	2.561	2.261	2.068	1.883	1.706	1.536	1.373	1.217	1.068	0.9253
	0.7884	0.6585	0.5350	0.4173	0.3062	0.2013	0.1021	9.1135E-03	-7.8108E-02	-0.1598
	-0.2359	-0.3065	-0.3718	-0.4318	-0.4867	-0.5365	-0.5813	-0.6211	-0.6559	-0.6858
	-0.7107	-0.7406	-0.7610	-0.7620	-0.7435	-0.7058	-0.6490	-0.5354	-0.3076	-4.6053E-03
	0.3751	0.8331	1.374	1.999						
0 25	16.00	13.64	11.51	9.620	7.951	6.492	5.234	4.138	3.444	3.002
	2.565	2.264	2.072	1.887	1.710	1.540	1.377	1.222	1.073	0.9308
	0.7946	0.6654	0.5424	0.4250	0.3143	0.2097	0.1107	1.7859E-02	-6.9179E-02	-0.1508
	-0.2268	-0.2972	-0.3625	-0.4225	-0.4773	-0.5272	-0.5719	-0.6117	-0.6466	-0.6765
	-0.7015	-0.7316	-0.7521	-0.7533	-0.7351	-0.6975	-0.6410	-0.5278	-0.3004	1.7429E-03
	0.3804	0.8367	1.376	1.999						
0 26	16.00	13.64	11.51	9.620	7.950	6.490	5.229	4.132	3.436	2.999
	2.565	2.263	2.070	1.885	1.708	1.539	1.376	1.221	1.073	0.9316
	0.7976	0.6694	0.5473	0.4308	0.3209	0.2169	0.1182	2.5802E-02	-6.0870E-02	-0.1424
	-0.2180	-0.2883	-0.3535	-0.4134	-0.4681	-0.5178	-0.5625	-0.6023	-0.6372	-0.6672
	-0.6922	-0.7223	-0.7431	-0.7445	-0.7265	-0.6891	-0.6328	-0.5200	-0.2930	8.2881E-03
	0.3859	0.8405	1.378	1.999						
0 27	16.00	13.64	11.51	9.620	7.949	6.489	5.224	4.126	3.427	2.990
	2.560	2.258	2.065	1.880	1.704	1.534	1.372	1.217	1.070	0.9290
	0.7957	0.6685	0.5475	0.4333	0.3246	0.2216	0.1237	3.2191E-02	-5.3840E-02	-0.1350

	-0.2102	-0.2800	-0.3451	-0.4046	-0.4590	-0.5087	-0.5533	-0.5929	-0.6278	-0.6578
	-0.6829	-0.7130	-0.7339	-0.7355	-0.7177	-0.6805	-0.6244	-0.5120	-0.2855	1.5035E-02
	0.3916	0.8444	1.380	1.999						
0 28	16.00	13.64	11.51	9.620	7.949	6.487	5.220	4.120	3.418	2.979
	2.551	2.251	2.058	1.874	1.697	1.528	1.367	1.212	1.064	0.9243
	0.7914	0.6647	0.5445	0.4312	0.3234	0.2215	0.1261	3.5754E-02	-4.9302E-02	-0.1295
	-0.2038	-0.2730	-0.3377	-0.3967	-0.4507	-0.5001	-0.5444	-0.5838	-0.6186	-0.6486
	-0.6736	-0.7036	-0.7246	-0.7265	-0.7088	-0.6717	-0.6158	-0.5038	-0.2776	2.1989E-02
	0.3975	0.8484	1.382	1.999						
0 29	16.00	13.64	11.51	9.619	7.948	6.485	5.215	4.114	3.408	2.968
	2.542	2.242	2.050	1.866	1.690	1.521	1.360	1.206	1.058	0.9184
	0.7856	0.6593	0.5396	0.4266	0.3194	0.2183	0.1238	3.4366E-02	-4.9490E-02	-0.1273
	-0.2004	-0.2685	-0.3322	-0.3903	-0.4436	-0.4926	-0.5363	-0.5753	-0.6099	-0.6396
	-0.6646	-0.6943	-0.7153	-0.7173	-0.6998	-0.6627	-0.6071	-0.4955	-0.2696	2.9152E-02
	0.4036	0.8526	1.383	1.999						
0 30	16.00	13.64	11.51	9.619	7.947	6.483	5.211	4.107	3.398	2.956
	2.532	2.233	2.042	1.858	1.682	1.514	1.353	1.199	1.052	0.9119
	0.7791	0.6530	0.5335	0.4206	0.3138	0.2132	0.1189	3.0154E-02	-5.2882E-02	-0.1298
	-0.2019	-0.2688	-0.3300	-0.3868	-0.4390	-0.4871	-0.5298	-0.5680	-0.6023	-0.6314
	-0.6561	-0.6853	-0.7061	-0.7082	-0.6907	-0.6535	-0.5982	-0.4870	-0.2613	3.6525E-02
	0.4100	0.8569	1.385	1.999						
0 31	16.00	13.64	11.51	9.619	7.946	6.481	5.206	4.101	3.389	2.944
	2.521	2.224	2.033	1.850	1.675	1.506	1.345	1.191	1.045	0.9051
	0.7723	0.6463	0.5269	0.4140	0.3074	0.2070	0.1128	2.4393E-02	-5.8191E-02	-0.1347
	-0.2062	-0.2723	-0.3325	-0.3883	-0.4393	-0.4848	-0.5262	-0.5633	-0.5964	-0.6247
	-0.6487	-0.6770	-0.6973	-0.6992	-0.6816	-0.6443	-0.5891	-0.4784	-0.2528	4.4104E-02
	0.4166	0.8614	1.387	1.999						
0 32	16.00	13.64	11.51	9.618	7.945	6.478	5.202	4.094	3.380	2.934
	2.511	2.215	2.025	1.842	1.667	1.499	1.338	1.184	1.038	0.8981
	0.7654	0.6395	0.5201	0.4072	0.3006	0.2003	0.1061	1.7837E-02	-6.4543E-02	-0.1410
	-0.2121	-0.2777	-0.3376	-0.3927	-0.4427	-0.4872	-0.5275	-0.5632	-0.5938	-0.6204
	-0.6433	-0.6701	-0.6893	-0.6906	-0.6728	-0.6351	-0.5801	-0.4697	-0.2441	5.1882E-02
	0.4235	0.8660	1.389	1.999						
0 33	16.00	13.64	11.51	9.618	7.944	6.476	5.198	4.088	3.371	2.923
	2.502	2.206	2.016	1.834	1.659	1.491	1.330	1.177	1.031	0.8911
	0.7585	0.6325	0.5132	0.4003	0.2937	0.1934	9.9163E-02	1.0924E-02	-7.1397E-02	-0.1478
	-0.2188	-0.2841	-0.3439	-0.3986	-0.4481	-0.4922	-0.5318	-0.5665	-0.5958	-0.6209
	-0.6412	-0.6660	-0.6829	-0.6829	-0.6644	-0.6262	-0.5711	-0.4610	-0.2353	5.9836E-02
	0.4307	0.8708	1.391	1.999						
0 34	16.00	13.64	11.51	9.617	7.943	6.474	5.194	4.082	3.362	2.914
	2.492	2.197	2.008	1.826	1.651	1.483	1.323	1.170	1.023	0.8841
	0.7516	0.6257	0.5063	0.3934	0.2868	0.1864	9.2166E-02	3.9029E-03	-7.8437E-02	-0.1549
	-0.2258	-0.2911	-0.3508	-0.4053	-0.4545	-0.4984	-0.5375	-0.5716	-0.6004	-0.6246
	-0.6438	-0.6668	-0.6794	-0.6768	-0.6571	-0.6179	-0.5626	-0.4524	-0.2263	6.7927E-02
	0.4382	0.8758	1.393	1.999						
0 35	16.00	13.64	11.51	9.616	7.942	6.471	5.190	4.076	3.354	2.905
	2.483	2.189	2.000	1.818	1.643	1.476	1.316	1.163	1.016	0.8773
	0.7448	0.6189	0.4996	0.3866	0.2800	0.1795	8.5233E-02	-3.0864E-03	-8.5486E-02	-0.1621
	-0.2330	-0.2982	-0.3580	-0.4124	-0.4615	-0.5053	-0.5442	-0.5779	-0.6064	-0.6301
	-0.6488	-0.6707	-0.6807	-0.6736	-0.6515	-0.6110	-0.5548	-0.4442	-0.2174	7.6083E-02
	0.4458	0.8809	1.395	1.999						
0 36	16.00	13.64	11.51	9.616	7.940	6.469	5.186	4.070	3.347	2.896
	2.475	2.181	1.992	1.810	1.636	1.469	1.309	1.156	1.010	0.8705
	0.7381	0.6122	0.4929	0.3799	0.2733	0.1728	7.8419E-02	-9.9689E-03	-9.2445E-02	-0.1691
	-0.2401	-0.3054	-0.3652	-0.4196	-0.4687	-0.5125	-0.5512	-0.5847	-0.6131	-0.6365
	-0.6551	-0.6763	-0.6849	-0.6753	-0.6490	-0.6068	-0.5487	-0.4365	-0.2089	8.4179E-02
	0.4537	0.8861	1.397	1.999						
0 37	16.00	13.64	11.51	9.615	7.939	6.467	5.182	4.065	3.339	2.888
	2.467	2.173	1.984	1.802	1.628	1.461	1.302	1.149	1.003	0.8638
	0.7315	0.6057	0.4864	0.3734	0.2667	0.1662	7.1754E-02	-1.6705E-02	-9.9262E-02	-0.1760
	-0.2470	-0.3125	-0.3723	-0.4268	-0.4759	-0.5197	-0.5583	-0.5918	-0.6202	-0.6435
	-0.6620	-0.6828	-0.6907	-0.6799	-0.6516	-0.6077	-0.5456	-0.4301	-0.2013	9.1995E-02
	0.4616	0.8915	1.399	2.000						
0 38	16.00	13.64	11.51	9.614	7.937	6.463	5.176	4.056	3.329	2.877
	2.455	2.161	1.973	1.792	1.618	1.451	1.291	1.139	0.9930	0.8540
	0.7218	0.5960	0.4768	0.3638	0.2571	0.1565	6.2002E-02	-2.6552E-02	-0.1092	-0.1861
	-0.2573	-0.3228	-0.3828	-0.4373	-0.4865	-0.5304	-0.5691	-0.6026	-0.6309	-0.6543
	-0.6727	-0.6932	-0.7008	-0.6892	-0.6596	-0.6138	-0.5484	-0.4238	-0.1928	0.1027
	0.4729	0.8996	1.401	1.999						
0 39	16.00	13.64	11.51	9.613	7.934	6.459	5.169	4.046	3.316	2.863
	2.441	2.147	1.959	1.778	1.604	1.438	1.278	1.126	0.9803	0.8415
	0.7094	0.5837	0.4645	0.3516	0.2449	0.1442	4.9649E-02	-3.9010E-02	-0.1218	-0.1988

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      -0.2702     -0.3359     -0.3960     -0.4508     -0.5001     -0.5441     -0.5829     -0.6165     -0.6450     -0.6684
      -0.6870     -0.7074     -0.7151     -0.7037     -0.6739     -0.6269     -0.5606     -0.4333     -0.1993      0.1107
       0.4833      0.9102      1.404       2.000
0 40   16.00       13.64       11.51       9.610       7.930       6.452       5.159       4.032       3.299       2.844
       2.422       2.128       1.940       1.759       1.585       1.419       1.260       1.108      0.9623      0.8237
       0.6917      0.5661      0.4470      0.3341      0.2274      0.1267      3.2078E-02 -5.6685E-02 -0.1396      -0.2168
      -0.2884     -0.3543     -0.4147     -0.4696     -0.5192     -0.5635     -0.6025     -0.6363     -0.6650     -0.6887
      -0.7075     -0.7282     -0.7364     -0.7255     -0.6962     -0.6487     -0.5825     -0.4556     -0.2188      9.4560E-02
       0.4718      0.9223      1.406       1.999
0 41   16.00       13.64       11.51       9.607       7.925       6.444       5.146       4.015       3.280       2.824
       2.400       2.106       1.918       1.737       1.564       1.398       1.239       1.086      0.9412      0.8026
       0.6707      0.5453      0.4262      0.3133      0.2066      0.1060      1.1271E-02 -7.7580E-02 -0.1607      -0.2380
      -0.3097     -0.3759     -0.4366     -0.4918     -0.5417     -0.5862     -0.6255     -0.6597     -0.6887     -0.7127
      -0.7317     -0.7529     -0.7618     -0.7516     -0.7229     -0.6757     -0.6102     -0.4846     -0.2469      6.4944E-02
       0.4449      0.8970      1.401       1.999
0 42   16.00       13.64       11.50       9.604       7.920       6.436       5.136       4.002       3.264       2.806
       2.382       2.088       1.900       1.719       1.545       1.379       1.220       1.068      0.9228      0.7843
       0.6524      0.5270      0.4080      0.2951      0.1885      8.7801E-02 -6.9362E-03 -9.5839E-02 -0.1790      -0.2565
      -0.3283     -0.3947     -0.4555     -0.5110     -0.5611     -0.6059     -0.6455     -0.6799     -0.7092     -0.7335
      -0.7528     -0.7744     -0.7838     -0.7743     -0.7461     -0.6994     -0.6344     -0.5097     -0.2719      3.8926E-02
       0.4204      0.8742      1.394       1.999
0 43   16.00       13.64       11.50       9.602       7.916       6.430       5.127       3.990       3.250       2.792
       2.368       2.073       1.885       1.704       1.530       1.364       1.205       1.052      0.9072      0.7687
       0.6368      0.5114      0.3923      0.2795      0.1728      7.2171E-02 -2.2580E-02 -0.1115      -0.1947      -0.2722
      -0.3442     -0.4107     -0.4717     -0.5273     -0.5776     -0.6226     -0.6624     -0.6971     -0.7266     -0.7512
      -0.7707     -0.7927     -0.8026     -0.7935     -0.7657     -0.7195     -0.6549     -0.5308     -0.2931      1.7444E-02
       0.4003      0.8568      1.387       1.999
0 44   16.00       13.64       11.50       9.599       7.912       6.425       5.119       3.980       3.240       2.781
       2.356       2.061       1.872       1.691       1.517       1.351       1.192       1.040      0.8943      0.7558
       0.6239      0.4984      0.3793      0.2665      0.1598      5.9106E-02 -3.5661E-02 -0.1246      -0.2078      -0.2854
      -0.3574     -0.4239     -0.4850     -0.5407     -0.5912     -0.6364     -0.6763     -0.7112     -0.7410     -0.7657
      -0.7855     -0.8077     -0.8181     -0.8094     -0.7820     -0.7361     -0.6718     -0.5481     -0.3105      2.0269E-04
       0.3844      0.8438      1.381       1.999
0 45   16.00       13.63       11.50       9.597       7.909       6.420       5.113       3.973       3.231       2.772
       2.347       2.051       1.863       1.681       1.508       1.341       1.182       1.030      0.8842      0.7456
       0.6136      0.4881      0.3689      0.2561      0.1493      4.8630E-02 -4.6158E-02 -0.1351      -0.2184      -0.2960
      -0.3680     -0.4346     -0.4957     -0.5515     -0.6020     -0.6473     -0.6874     -0.7224     -0.7523     -0.7772
      -0.7972     -0.8197     -0.8304     -0.8220     -0.7949     -0.7493     -0.6852     -0.5617     -0.3242      -1.3154E-02
       0.3723      0.8343      1.376       1.999
0 46   16.00       13.63       11.50       9.596       7.907       6.417       5.109       3.968       3.225       2.766
       2.340       2.044       1.855       1.674       1.500       1.334       1.174       1.022      0.8766      0.7380
       0.6059      0.4804      0.3612      0.2483      0.1415      4.0765E-02 -5.4051E-02 -0.1430      -0.2263      -0.3039
      -0.3760     -0.4426     -0.5037     -0.5596     -0.6101     -0.6555     -0.6957     -0.7307     -0.7608     -0.7858
      -0.8059     -0.8286     -0.8395     -0.8314     -0.8045     -0.7591     -0.6952     -0.5719     -0.3343      -2.2911E-02
       0.3635      0.8275      1.373       2.000
0 47   16.00       13.63       11.50       9.594       7.904       6.413       5.105       3.962       3.219       2.759
       2.333       2.038       1.848       1.667       1.493       1.326       1.167       1.015      0.8692      0.7304
       0.5983      0.4727      0.3535      0.2405      0.1337      3.2895E-02 -6.1966E-02 -0.1510      -0.2343      -0.3119
      -0.3840     -0.4506     -0.5118     -0.5677     -0.6183     -0.6637     -0.7039     -0.7391     -0.7692     -0.7943
      -0.8145     -0.8374     -0.8485     -0.8407     -0.8140     -0.7688     -0.7050     -0.5819     -0.3442      -3.2467E-02
       0.3551      0.8211      1.369       1.999
OHEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  2, STRESS PERIOD  1
0


          TIME SUMMARY AT END OF TIME STEP  2 IN STRESS PERIOD  1
                                 SECONDS        MINUTES         HOURS           DAYS           YEARS
                              ----------------------------------------------------------------------
      TIME STEP LENGTH         0.259200E+07    43200.0        720.000         30.0000        0.821355E-01
    STRESS PERIOD TIME         0.518400E+07    86400.0        1440.00         60.0000        0.164271
 TOTAL SIMULATION TIME         0.518400E+07    86400.0        1440.00         60.0000        0.164271
1
    22 ITERATIONS FOR TIME STEP   3 IN STRESS PERIOD  1
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    2.209      (  1,  1,  2) 0.4260      (  1, 27, 13) 0.6028      (  2, 47,  7)  1.001      (  2,  3, 18)  1.072      (  2, 34, 18
  -0.3757E-01 (  1, 25, 10) 0.3290E-01 (  2,  2, 48) 0.6599E-01 (  2,  4, 47) 0.6181E-01 (  2, 12, 47) 0.5156E-01 (  2, 21, 37
   0.6514E-02 (  1, 47, 11) 0.4714E-02 (  2, 20, 10) 0.1036E-01 (  2, 25, 12) 0.1454E-01 (  2, 15, 16) -0.9666E-02 (  2, 11, 27
  -0.1571E-02 (  2, 10, 11) -0.3210E-02 (  2, 19, 19) 0.3114E-02 (  2, 22, 36) -0.8433E-02 (  2, 22, 21) 0.3888E-02 (  2, 26, 24
  -0.1049E-02 (  1, 21, 23) 0.9216E-03 (  2, 18, 18)
0
```

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 HEAD IN LAYER 1 AT END OF TIME STEP 3 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54						
0 1	15.98	12.51	10.54	8.910	7.458	6.160	5.005	3.983	3.309	2.889
	2.497	2.223	2.047	1.877	1.714	1.557	1.406	1.261	1.121	0.9880
	0.8602	0.7381	0.6215	0.5103	0.4044	0.3038	0.2084	0.1181	3.2828E-02	-4.7469E-02
	-0.1229	-0.1934	-0.2592	-0.3202	-0.3766	-0.4283	-0.4755	-0.5182	-0.5564	-0.5901
	-0.6195	-0.6570	-0.6897	-0.7054	-0.7043	-0.6865	-0.6520	-0.5757	-0.4082	-0.1750
	0.1244	0.4934	0.9783	2.000						
0 2	15.96	12.50	10.54	8.913	7.461	6.163	5.009	3.988	3.315	2.895
	2.503	2.229	2.053	1.884	1.720	1.563	1.412	1.267	1.128	0.9947
	0.8670	0.7448	0.6282	0.5170	0.4111	0.3104	0.2150	0.1246	3.9313E-02	-4.1036E-02
	-0.1165	-0.1871	-0.2529	-0.3140	-0.3705	-0.4223	-0.4695	-0.5123	-0.5505	-0.5844
	-0.6138	-0.6514	-0.6843	-0.7002	-0.6993	-0.6817	-0.6475	-0.5715	-0.4045	-0.1719
	0.1267	0.4948	0.9771	1.997						
0 3	15.98	12.51	10.54	8.916	7.465	6.169	5.016	3.996	3.324	2.904
	2.512	2.239	2.063	1.893	1.730	1.573	1.422	1.277	1.138	1.005
	0.8772	0.7550	0.6384	0.5271	0.4212	0.3205	0.2250	0.1346	4.9169E-02	-3.1260E-02
	-0.1068	-0.1775	-0.2434	-0.3046	-0.3611	-0.4131	-0.4604	-0.5033	-0.5417	-0.5756
	-0.6052	-0.6430	-0.6761	-0.6923	-0.6917	-0.6744	-0.6405	-0.5650	-0.3989	-0.1673
	0.1303	0.4974	0.9801	2.000						
0 4	15.98	12.51	10.55	8.919	7.469	6.174	5.022	4.003	3.331	2.911
	2.520	2.247	2.071	1.902	1.739	1.582	1.431	1.286	1.147	1.013
	0.8857	0.7636	0.6469	0.5357	0.4297	0.3290	0.2334	0.1429	5.7477E-02	-2.3020E-02
	-9.8623E-02	-0.1694	-0.2354	-0.2967	-0.3533	-0.4053	-0.4528	-0.4957	-0.5342	-0.5682
	-0.5979	-0.6359	-0.6692	-0.6857	-0.6853	-0.6682	-0.6346	-0.5596	-0.3942	-0.1634
	0.1334	0.4996	0.9815	2.000						
0 5	15.98	12.51	10.55	8.922	7.474	6.180	5.030	4.011	3.340	2.921
	2.530	2.257	2.081	1.912	1.749	1.592	1.441	1.296	1.157	1.024
	0.8961	0.7740	0.6573	0.5460	0.4400	0.3393	0.2436	0.1531	6.7559E-02	-1.3017E-02
	-8.8706E-02	-0.1596	-0.2257	-0.2871	-0.3438	-0.3959	-0.4435	-0.4865	-0.5251	-0.5593
	-0.5891	-0.6272	-0.6609	-0.6776	-0.6775	-0.6607	-0.6275	-0.5530	-0.3884	-0.1586
	0.1371	0.5021	0.9829	2.000						
0 6	15.98	12.51	10.55	8.926	7.480	6.188	5.039	4.022	3.351	2.932
	2.541	2.268	2.093	1.924	1.761	1.604	1.453	1.308	1.169	1.036
	0.9084	0.7863	0.6696	0.5583	0.4522	0.3514	0.2557	0.1651	7.9471E-02	-1.1987E-03
	-7.6989E-02	-0.1480	-0.2142	-0.2757	-0.3325	-0.3848	-0.4325	-0.4757	-0.5144	-0.5487
	-0.5786	-0.6170	-0.6509	-0.6680	-0.6682	-0.6518	-0.6190	-0.5452	-0.3816	-0.1529
	0.1415	0.5052	0.9845	2.000						
0 7	15.98	12.51	10.55	8.931	7.486	6.196	5.049	4.033	3.364	2.945
	2.555	2.282	2.106	1.937	1.775	1.618	1.467	1.322	1.184	1.050
	0.9226	0.8005	0.6838	0.5724	0.4663	0.3655	0.2697	0.1790	9.3277E-02	1.2500E-02
	-6.3406E-02	-0.1345	-0.2008	-0.2625	-0.3195	-0.3719	-0.4197	-0.4631	-0.5019	-0.5364
	-0.5665	-0.6051	-0.6394	-0.6568	-0.6574	-0.6415	-0.6091	-0.5361	-0.3736	-0.1462
	0.1467	0.5087	0.9862	2.000						
0 8	15.98	12.52	10.56	8.936	7.493	6.205	5.061	4.047	3.378	2.961
	2.570	2.298	2.122	1.953	1.791	1.634	1.483	1.339	1.200	1.066
	0.9388	0.8167	0.7000	0.5886	0.4825	0.3815	0.2857	0.1949	0.1090	2.8151E-02
	-4.7884E-02	-0.1191	-0.1856	-0.2474	-0.3045	-0.3571	-0.4051	-0.4486	-0.4877	-0.5223
	-0.5526	-0.5915	-0.6262	-0.6440	-0.6451	-0.6296	-0.5978	-0.5256	-0.3644	-0.1385
	0.1527	0.5128	0.9883	2.000						
0 9	15.98	12.52	10.56	8.941	7.501	6.216	5.075	4.064	3.396	2.978
	2.588	2.316	2.140	1.971	1.809	1.652	1.502	1.357	1.218	1.085
	0.9571	0.8350	0.7182	0.6068	0.5006	0.3996	0.3037	0.2128	0.1269	4.5835E-02
	-3.0342E-02	-0.1017	-0.1684	-0.2303	-0.2877	-0.3404	-0.3886	-0.4323	-0.4716	-0.5064
	-0.5369	-0.5761	-0.6112	-0.6295	-0.6311	-0.6162	-0.5849	-0.5136	-0.3540	-0.1297
	0.1595	0.5175	0.9903	2.000						
0 10	15.96	12.51	10.56	8.946	7.509	6.228	5.091	4.083	3.416	2.999
	2.609	2.336	2.161	1.992	1.829	1.673	1.522	1.377	1.238	1.105
	0.9776	0.8554	0.7387	0.6272	0.5209	0.4199	0.3238	0.2329	0.1468	6.5641E-02
	-1.0689E-02	-8.2240E-02	-0.1491	-0.2112	-0.2687	-0.3217	-0.3701	-0.4140	-0.4535	-0.4885
	-0.5192	-0.5588	-0.5944	-0.6132	-0.6153	-0.6010	-0.5704	-0.5002	-0.3421	-0.1197
	0.1674	0.5228	0.9921	1.997						

0 11	15.98	12.52	10.56	8.950	7.515	6.238	5.104	4.099	3.433	3.016
	2.626	2.354	2.179	2.009	1.847	1.690	1.539	1.395	1.256	1.123
	0.9948	0.8726	0.7557	0.6441	0.5378	0.4367	0.3406	0.2496	0.1634	8.2172E-02
	5.7124E-03	-6.5978E-02	-0.1329	-0.1953	-0.2529	-0.3060	-0.3546	-0.3987	-0.4384	-0.4736
	-0.5045	-0.5443	-0.5803	-0.5996	-0.6022	-0.5883	-0.5582	-0.4888	-0.3321	-0.1113
	0.1740	0.5275	0.9952	2.000						
0 12	15.98	12.52	10.57	8.953	7.520	6.245	5.114	4.111	3.446	3.029
	2.639	2.366	2.191	2.022	1.859	1.702	1.551	1.407	1.268	1.135
	1.007	0.8848	0.7677	0.6559	0.5495	0.4484	0.3524	0.2614	0.1752	9.3807E-02
	1.7240E-02	-5.4555E-02	-0.1216	-0.1840	-0.2418	-0.2951	-0.3437	-0.3880	-0.4277	-0.4631
	-0.4941	-0.5341	-0.5705	-0.5900	-0.5929	-0.5794	-0.5496	-0.4808	-0.3250	-0.1053
	0.1787	0.5308	0.9972	2.000						
0 13	15.98	12.52	10.57	8.956	7.524	6.252	5.125	4.125	3.459	3.042
	2.652	2.380	2.204	2.034	1.870	1.714	1.563	1.420	1.282	1.149
	1.021	0.8984	0.7806	0.6682	0.5615	0.4606	0.3649	0.2740	0.1877	0.1061
	2.9388E-02	-4.2545E-02	-0.1097	-0.1723	-0.2302	-0.2835	-0.3323	-0.3767	-0.4166	-0.4521
	-0.4832	-0.5234	-0.5600	-0.5799	-0.5831	-0.5700	-0.5406	-0.4724	-0.3175	-9.8907E-02
	0.1838	0.5343	0.9992	2.000						
0 14	15.98	12.52	10.57	8.958	7.529	6.259	5.139	4.141	3.475	3.057
	2.667	2.394	2.217	2.047	1.881	1.723	1.575	1.434	1.301	1.167
	1.038	0.9152	0.7946	0.6803	0.5727	0.4730	0.3785	0.2883	0.2016	0.1194
	4.2230E-02	-2.9920E-02	-9.7259E-02	-0.1599	-0.2179	-0.2714	-0.3203	-0.3648	-0.4048	-0.4405
	-0.4717	-0.5122	-0.5491	-0.5692	-0.5728	-0.5601	-0.5311	-0.4635	-0.3095	-9.2163E-02
	0.1891	0.5380	1.001	2.000						
0 15	15.98	12.52	10.57	8.961	7.533	6.268	5.157	4.162	3.493	3.074
	2.682	2.409	2.232	2.059	1.885	1.725	1.580	1.444	1.327	1.195
	1.062	0.9425	0.8106	0.6900	0.5789	0.4849	0.3945	0.3073	0.2183	0.1339
	5.5879E-02	-1.6650E-02	-8.4177E-02	-0.1470	-0.2051	-0.2587	-0.3077	-0.3523	-0.3925	-0.4283
	-0.4597	-0.5004	-0.5376	-0.5581	-0.5620	-0.5496	-0.5210	-0.4541	-0.3012	-8.5014E-02
	0.1947	0.5419	1.003	2.000						
0 16	15.98	12.52	10.57	8.963	7.538	6.278	5.190	4.198	3.517	3.093
	2.699	2.425	2.248	2.074	1.897	1.733	1.589	1.454	1.331	1.206
	1.090	0.9939	0.8405	0.6901	0.5664	0.4933	0.4117	0.3340	0.2422	0.1503
	7.0365E-02	-2.7225E-03	-7.0476E-02	-0.1334	-0.1917	-0.2454	-0.2946	-0.3393	-0.3796	-0.4155
	-0.4471	-0.4880	-0.5255	-0.5463	-0.5507	-0.5386	-0.5105	-0.4442	-0.2923	-7.7439E-02
	0.2008	0.5461	1.005	2.000						
0 17	15.98	12.52	10.57	8.966	7.542	6.291	5.261	4.273	3.558	3.119
	2.720	2.444	2.267	2.094	1.915	1.738	1.600	1.470	1.344	1.220
	1.107	1.014	0.8594	0.7019	0.5754	0.5054	0.4261	0.3503	0.2594	0.1660
	8.5285E-02	1.1832E-02	-5.6117E-02	-0.1192	-0.1776	-0.2314	-0.2807	-0.3256	-0.3660	-0.4021
	-0.4338	-0.4750	-0.5129	-0.5341	-0.5387	-0.5271	-0.4993	-0.4337	-0.2830	-6.9411E-02
	0.2072	0.5505	1.008	2.000						
0 18	15.98	12.52	10.58	8.968	7.546	6.312	5.438	4.455	3.639	3.160
	2.746	2.468	2.291	2.124	1.980	1.783	1.590	1.483	1.359	1.237
	1.126	1.027	0.8719	0.7127	0.5944	0.5235	0.4436	0.3677	0.2762	0.1821
	0.1009	2.7215E-02	-4.0931E-02	-0.1042	-0.1627	-0.2167	-0.2662	-0.3112	-0.3518	-0.3881
	-0.4200	-0.4614	-0.4996	-0.5212	-0.5262	-0.5150	-0.4877	-0.4228	-0.2731	-6.0905E-02
	0.2139	0.5552	1.010	2.000						
0 19	15.98	12.53	10.58	8.970	7.551	6.348	5.899	4.927	3.825	3.235
	2.786	2.503	2.325	2.156	1.995	1.833	1.662	1.523	1.391	1.268
	1.170	0.9916	0.8571	0.7003	0.6292	0.5486	0.4652	0.3877	0.2947	0.1999
	0.1182	4.4061E-02	-2.4405E-02	-8.7911E-02	-0.1467	-0.2009	-0.2507	-0.2959	-0.3367	-0.3732
	-0.4053	-0.4470	-0.4857	-0.5076	-0.5131	-0.5023	-0.4754	-0.4112	-0.2626	-5.1890E-02
	0.2212	0.5602	1.012	2.000						
0 20	15.98	12.53	10.58	8.971	7.555	6.407	7.106	6.164	4.276	3.393
	2.860	2.569	2.389	2.219	2.055	1.895	1.739	1.594	1.455	1.328
	1.228	1.009	0.8744	0.7307	0.6648	0.5803	0.4930	0.4128	0.3177	0.2217
	0.1391	6.4206E-02	-5.0155E-03	-6.9181E-02	-0.1286	-0.1833	-0.2335	-0.2791	-0.3203	-0.3571
	-0.3896	-0.4317	-0.4709	-0.4934	-0.4993	-0.4890	-0.4625	-0.3991	-0.2516	-4.2330E-02
	0.2289	0.5656	1.015	2.000						
0 21	15.98	12.53	10.58	8.972	7.558	6.471	10.14	9.284	5.368	3.735
	3.017	2.717	2.538	2.369	2.205	2.046	1.892	1.743	1.598	1.457
	1.337	1.058	0.9180	0.7992	0.7222	0.6281	0.5330	0.4473	0.3521	0.2549
	0.1702	9.3058E-02	2.1711E-02	-4.4256E-02	-0.1051	-0.1612	-0.2125	-0.2591	-0.3012	-0.3388
	-0.3719	-0.4149	-0.4549	-0.4781	-0.4847	-0.4748	-0.4489	-0.3863	-0.2400	-3.2180E-02
	0.2371	0.5713	1.018	2.000						
0 22	15.98	12.52	10.58	8.973	7.558	6.411	7.117	6.368	7.895	4.459
	3.369	3.089	2.921	2.756	2.593	2.434	2.279	2.126	1.967	1.789
	1.592	1.452	1.269	1.023	0.8754	0.7494	0.6292	0.5211	0.4216	0.3216
	0.2301	0.1464	6.8740E-02	-2.3487E-03	-6.7412E-02	-0.1272	-0.1815	-0.2308	-0.2752	-0.3148
	-0.3496	-0.3945	-0.4365	-0.4612	-0.4687	-0.4596	-0.4344	-0.3727	-0.2275	-2.1368E-02
	0.2459	0.5773	1.021	2.000						

0 23	15.97	12.52	10.58	8.973	7.556	6.357	5.915	5.257	9.980	5.884
	4.173	4.059	3.930	3.773	3.611	3.453	3.298	3.140	2.961	2.706
	2.287	2.021	1.780	1.484	1.272	1.093	0.9065	0.7541	0.6197	0.4869
	0.3718	0.2694	0.1728	8.7321E-02	1.0774E-02	-5.9830E-02	-0.1228	-0.1792	-0.2304	-0.2757
	-0.3151	-0.3651	-0.4122	-0.4404	-0.4501	-0.4423	-0.4182	-0.3580	-0.2141	-9.7537E-03
	0.2553	0.5838	1.024	1.998						
0 24	15.98	12.52	10.58	8.973	7.555	6.333	5.559	4.869	9.085	8.418
	5.543	5.979	5.891	5.735	5.574	5.418	5.267	5.114	4.935	4.600
	3.588	3.220	2.899	2.326	2.021	1.769	1.432	1.209	1.021	0.8084
	0.6471	0.5093	0.3693	0.2548	0.1557	6.0864E-02	-1.9996E-02	-9.0869E-02	-0.1569	-0.2147
	-0.2638	-0.3241	-0.3817	-0.4173	-0.4313	-0.4255	-0.4034	-0.3455	-0.2027	-1.7580E-04
	0.2632	0.5891	1.026	2.000						
0 25	15.98	12.53	10.58	8.973	7.554	6.321	5.414	4.675	7.253	11.30
	6.873	8.098	7.981	7.812	7.652	7.500	7.355	7.213	7.057	6.756
	4.872	4.532	4.188	3.204	2.846	2.543	2.002	1.717	1.482	1.165
	0.9571	0.7842	0.5889	0.4431	0.3201	0.1951	9.4271E-02	7.4753E-03	-7.6796E-02	-0.1492
	-0.2100	-0.2816	-0.3518	-0.3961	-0.4150	-0.4115	-0.3915	-0.3362	-0.1943	6.6804E-03
	0.2688	0.5928	1.028	2.000						
0 26	15.98	12.53	10.58	8.973	7.553	6.312	5.326	4.535	6.080	11.19
	8.715	6.275	5.903	5.695	5.524	5.366	5.218	5.079	4.965	5.003
	6.605	6.632	6.370	4.504	4.180	3.854	2.890	2.551	2.265	1.740
	1.471	1.251	0.9491	0.7562	0.5979	0.4167	0.2839	0.1721	5.4843E-02	-4.2454E-02
	-0.1236	-0.2139	-0.3059	-0.3651	-0.3926	-0.3926	-0.3763	-0.3253	-0.1846	1.4224E-02
	0.2750	0.5968	1.030	2.000						
0 27	15.98	12.53	10.58	8.973	7.553	6.306	5.272	4.433	5.226	7.985
	6.457	4.958	4.567	4.343	4.166	4.006	3.857	3.722	3.626	3.693
	4.412	4.512	4.611	6.254	6.300	6.055	4.200	3.894	3.584	2.633
	2.309	2.037	1.526	1.272	1.066	0.7781	0.5976	0.4489	0.2713	0.1329
	1.6214E-02	-0.1033	-0.2328	-0.3179	-0.3598	-0.3654	-0.3555	-0.3117	-0.1727	2.2832E-02
	0.2821	0.6010	1.032	2.000						
0 28	15.98	12.53	10.58	8.973	7.552	6.301	5.238	4.361	4.636	6.013
	5.021	4.062	3.717	3.496	3.318	3.157	3.008	2.874	2.778	2.799
	3.099	3.172	3.301	4.054	4.175	4.293	5.963	6.026	5.796	3.949
	3.657	3.361	2.422	2.112	1.855	1.356	1.114	0.9157	0.6251	0.4224
	0.2432	7.9853E-02	-0.1141	-0.2430	-0.3094	-0.3238	-0.3251	-0.2937	-0.1571	3.3156E-02
	0.2906	0.6057	1.034	2.000						
0 29	15.98	12.53	10.58	8.973	7.551	6.297	5.216	4.309	4.241	4.827
	4.128	3.474	3.183	2.972	2.796	2.635	2.486	2.352	2.248	2.218
	2.314	2.336	2.410	2.740	2.834	2.982	3.755	3.893	4.028	5.720
	5.797	5.581	3.743	3.464	3.182	2.254	1.955	1.704	1.195	0.9008
	0.6093	0.3849	8.1163E-02	-0.1220	-0.2296	-0.2576	-0.2783	-0.2682	-0.1353	4.6319E-02
	0.3014	0.6111	1.036	2.000						
0 30	15.98	12.53	10.58	8.972	7.550	6.293	5.202	4.272	3.983	4.125
	3.581	3.099	2.850	2.651	2.478	2.318	2.169	2.033	1.920	1.852
	1.845	1.821	1.834	1.956	1.998	2.090	2.438	2.549	2.713	3.505
	3.658	3.808	5.520	5.611	5.408	3.577	3.310	3.032	2.085	1.691
	1.190	0.8929	0.4027	7.6004E-02	-0.1008	-0.1488	-0.2037	-0.2301	-0.1025	6.4244E-02
	0.3162	0.6176	1.038	2.000						
0 31	15.98	12.53	10.58	8.972	7.549	6.290	5.191	4.246	3.818	3.713
	3.249	2.863	2.643	2.455	2.284	2.126	1.977	1.839	1.719	1.626
	1.565	1.506	1.472	1.489	1.484	1.514	1.653	1.712	1.820	2.184
	2.310	2.490	3.299	3.466	3.630	5.360	5.463	5.265	3.411	3.001
	2.085	1.734	0.9299	0.4004	0.1090	3.2749E-02	-8.1978E-02	-0.1708	-5.0893E-02	9.0207E-02
	0.3378	0.6259	1.041	2.000						
0 32	15.98	12.53	10.58	8.971	7.548	6.288	5.183	4.227	3.713	3.472
	3.050	2.717	2.515	2.334	2.167	2.010	1.861	1.722	1.595	1.487
	1.397	1.315	1.250	1.211	1.171	1.154	1.187	1.198	1.244	1.399
	1.473	1.596	1.975	2.116	2.310	3.134	3.314	3.488	5.217	5.187
	3.401	3.113	1.785	0.9296	0.4503	0.3376	0.1185	-7.5739E-02	3.2978E-02	0.1297
	0.3710	0.6372	1.043	2.000						
0 33	15.98	12.53	10.58	8.971	7.547	6.285	5.177	4.212	3.646	3.330
	2.929	2.625	2.436	2.260	2.095	1.938	1.790	1.649	1.519	1.401
	1.296	1.199	1.114	1.045	0.9806	0.9324	0.9093	0.8850	0.8839	0.9322
	0.9585	1.019	1.189	1.277	1.415	1.809	1.964	2.175	3.034	3.381
	5.175	5.341	3.146	1.785	1.002	0.8494	0.4491	7.8593E-02	0.1721	0.1921
	0.4243	0.6534	1.047	2.000						
0 34	15.99	12.53	10.58	8.970	7.546	6.283	5.172	4.201	3.602	3.246
	2.855	2.568	2.386	2.213	2.050	1.894	1.745	1.604	1.471	1.348
	1.234	1.128	1.032	0.9451	0.8656	0.7974	0.7439	0.6956	0.6629	0.6551
	0.6459	0.6596	0.7227	0.7633	0.8386	1.023	1.127	1.285	1.728	2.058
	2.940	3.255	5.264	3.144	1.882	1.703	0.9911	0.3305	0.4047	0.2928
	0.5121	0.6778	1.050	2.000						

0 35	15.99	12.53	10.58	8.970	7.544	6.281	5.167	4.192	3.574	3.195
	2.810	2.531	2.353	2.183	2.021	1.865	1.717	1.575	1.441	1.315
	1.196	1.084	0.9803	0.8845	0.7955	0.7152	0.6448	0.5811	0.5285	0.4903
	0.4571	0.4392	0.4461	0.4514	0.4796	0.5574	0.6142	0.7120	0.9426	1.172
	1.616	1.896	3.160	5.263	3.260	3.107	1.869	0.7408	0.7941	0.4569
	0.6586	0.7156	1.055	2.000						
0 36	15.99	12.53	10.58	8.969	7.543	6.278	5.163	4.184	3.554	3.163
	2.780	2.507	2.331	2.162	2.001	1.846	1.698	1.556	1.421	1.292
	1.171	1.056	0.9481	0.8469	0.7521	0.6646	0.5848	0.5116	0.4468	0.3919
	0.3433	0.3056	0.2822	0.2636	0.2603	0.2822	0.3037	0.3536	0.4701	0.6081
	0.8343	1.037	1.817	3.163	5.363	5.377	3.266	1.404	1.442	0.7253
	0.9044	0.7755	1.062	2.000						
0 37	15.99	12.53	10.58	8.968	7.542	6.276	5.159	4.178	3.540	3.142
	2.760	2.490	2.315	2.148	1.987	1.832	1.684	1.542	1.406	1.277
	1.154	1.037	0.9270	0.8228	0.7247	0.6329	0.5478	0.4689	0.3970	0.3327
	0.2747	0.2251	0.1851	0.1512	0.1284	0.1202	0.1178	0.1348	0.1882	0.2626
	0.3774	0.5070	0.9817	1.828	3.157	3.335	5.433	2.462	2.508	1.162
	1.316	0.8715	1.070	2.000						
0 38	15.99	12.53	10.58	8.967	7.540	6.273	5.153	4.169	3.524	3.121
	2.739	2.471	2.298	2.131	1.971	1.817	1.668	1.526	1.390	1.260
	1.136	1.018	0.9055	0.7988	0.6977	0.6025	0.5129	0.4291	0.3511	0.2790
	0.2127	0.1527	9.9183E-02	5.1617E-02	1.1250E-02	-2.0962E-02	-4.6333E-02	-6.0693E-02	-5.9383E-02	-4.5048E-02
	-1.5668E-02	3.1115E-02	0.2257	0.5955	1.152	1.351	2.355	4.910	5.051	2.213
	2.336	1.102	1.087	2.001						
0 39	15.99	12.53	10.58	8.966	7.538	6.268	5.146	4.158	3.509	3.103
	2.722	2.454	2.282	2.115	1.955	1.801	1.653	1.511	1.375	1.245
	1.120	1.002	0.8882	0.7804	0.6781	0.5812	0.4897	0.4035	0.3226	0.2471
	0.1768	0.1119	5.2328E-02	-1.9458E-03	-5.0665E-02	-9.3599E-02	-0.1308	-0.1611	-0.1834	-0.1982
	-0.2052	-0.2068	-0.1515	-2.1327E-02	0.1787	0.3019	0.7163	1.745	2.011	5.538
	5.745	1.848	1.127	2.001						
0 40	15.99	12.53	10.57	8.964	7.534	6.262	5.136	4.144	3.491	3.083
	2.701	2.434	2.262	2.096	1.936	1.783	1.635	1.493	1.357	1.226
	1.102	0.9826	0.8690	0.7607	0.6578	0.5602	0.4677	0.3804	0.2982	0.2211
	0.1489	8.1611E-02	1.9235E-02	-3.8303E-02	-9.1019E-02	-0.1389	-0.1820	-0.2202	-0.2534	-0.2817
	-0.3051	-0.3327	-0.3457	-0.3319	-0.2938	-0.2480	-0.1400	0.1114	0.3173	1.197
	1.574	4.487	1.210	2.001						
0 41	15.98	12.52	10.57	8.961	7.529	6.254	5.125	4.128	3.473	3.063
	2.680	2.413	2.241	2.075	1.915	1.762	1.614	1.472	1.336	1.206
	1.081	0.9622	0.8485	0.7402	0.6372	0.5394	0.4468	0.3592	0.2767	0.1991
	0.1264	5.8510E-02	-4.5747E-03	-6.2937E-02	-0.1166	-0.1657	-0.2102	-0.2502	-0.2857	-0.3168
	-0.3435	-0.3771	-0.4043	-0.4138	-0.4065	-0.3839	-0.3399	-0.2428	-7.7841E-02	0.2318
	0.5299	1.234	1.095	2.000						
0 42	15.98	12.52	10.57	8.958	7.524	6.247	5.114	4.115	3.457	3.046
	2.663	2.395	2.223	2.057	1.898	1.744	1.596	1.455	1.319	1.188
	1.064	0.9446	0.8310	0.7227	0.6196	0.5218	0.4291	0.3414	0.2588	0.1811
	0.1082	4.0101E-02	-2.3229E-02	-8.1871E-02	-0.1359	-0.1853	-0.2302	-0.2707	-0.3068	-0.3385
	-0.3659	-0.4006	-0.4303	-0.4436	-0.4410	-0.4229	-0.3887	-0.3140	-0.1587	6.5943E-02
	0.3381	0.7126	1.055	2.000						
0 43	15.98	12.52	10.57	8.955	7.520	6.240	5.106	4.104	3.444	3.033
	2.649	2.381	2.208	2.042	1.883	1.729	1.581	1.440	1.304	1.173
	1.049	0.9296	0.8159	0.7076	0.6046	0.5067	0.4140	0.3263	0.2436	0.1658
	9.2807E-02	2.4611E-02	-3.8863E-02	-9.7672E-02	-0.1519	-0.2015	-0.2467	-0.2874	-0.3237	-0.3557
	-0.3834	-0.4186	-0.4490	-0.4633	-0.4617	-0.4445	-0.4121	-0.3408	-0.1875	2.5086E-02
	0.2927	0.6242	1.041	2.000						
0 44	15.98	12.52	10.57	8.953	7.516	6.235	5.098	4.094	3.434	3.022
	2.637	2.369	2.196	2.030	1.870	1.717	1.569	1.427	1.291	1.161
	1.036	0.9171	0.8034	0.6951	0.5921	0.4942	0.4014	0.3137	0.2310	0.1531
	8.0039E-02	1.1762E-02	-5.1810E-02	-0.1107	-0.1651	-0.2149	-0.2602	-0.3011	-0.3376	-0.3698
	-0.3977	-0.4332	-0.4641	-0.4787	-0.4776	-0.4609	-0.4289	-0.3583	-0.2054	5.6606E-03
	0.2735	0.6018	1.034	2.000						
0 45	15.99	12.52	10.57	8.951	7.513	6.231	5.093	4.087	3.426	3.013
	2.628	2.360	2.187	2.021	1.861	1.707	1.559	1.417	1.281	1.151
	1.026	0.9071	0.7934	0.6851	0.5820	0.4841	0.3914	0.3036	0.2208	0.1429
	6.9821E-02	1.4891E-03	-6.2149E-02	-0.1212	-0.1756	-0.2255	-0.2709	-0.3119	-0.3486	-0.3809
	-0.4090	-0.4448	-0.4760	-0.4909	-0.4900	-0.4736	-0.4418	-0.3716	-0.2188	-7.6151E-03
	0.2613	0.5913	1.029	2.000						
0 46	15.99	12.52	10.57	8.949	7.511	6.228	5.088	4.082	3.420	3.007
	2.621	2.353	2.180	2.014	1.854	1.700	1.552	1.410	1.274	1.144
	1.019	0.8997	0.7860	0.6776	0.5745	0.4766	0.3838	0.2960	0.2132	0.1353
	6.2138E-02	-6.2298E-03	-6.9912E-02	-0.1290	-0.1835	-0.2334	-0.2789	-0.3201	-0.3568	-0.3892
	-0.4174	-0.4534	-0.4848	-0.5000	-0.4993	-0.4831	-0.4515	-0.3814	-0.2285	-1.7099E-02
	0.2527	0.5846	1.026	2.000						

0 47	15.98	12.52	10.57	8.948	7.509	6.224	5.084	4.077	3.414	3.000
	2.615	2.346	2.173	2.007	1.847	1.693	1.545	1.403	1.267	1.136
	1.012	0.8923	0.7785	0.6701	0.5670	0.4690	0.3762	0.2884	0.2055	0.1276
	5.4421E-02	-1.3981E-02	-7.7701E-02	-0.1368	-0.1913	-0.2414	-0.2870	-0.3281	-0.3650	-0.3975
	-0.4258	-0.4619	-0.4936	-0.5090	-0.5085	-0.4925	-0.4610	-0.3911	-0.2382	-2.6356E-02
	0.2445	0.5783	1.023	2.000						

1 HEAD IN LAYER 2 AT END OF TIME STEP 3 IN STRESS PERIOD 1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54						

0 1	16.00	14.19	12.49	10.92	9.470	8.146	6.946	5.864	5.139	4.683
	4.254	3.952	3.757	3.569	3.387	3.211	3.041	2.877	2.720	2.568
	2.422	2.282	2.147	2.018	1.895	1.777	1.665	1.557	1.456	1.359
	1.268	1.181	1.100	1.024	0.9522	0.8857	0.8240	0.7671	0.7149	0.6674
	0.6244	0.5669	0.5081	0.4669	0.4429	0.4359	0.4454	0.4840	0.5984	0.7730
	1.005	1.290	1.624	2.000						
0 2	16.00	14.19	12.49	10.92	9.473	8.151	6.951	5.871	5.146	4.690
	4.262	3.960	3.765	3.577	3.395	3.219	3.049	2.885	2.728	2.576
	2.430	2.290	2.155	2.026	1.903	1.785	1.673	1.565	1.464	1.367
	1.275	1.189	1.108	1.031	0.9598	0.8932	0.8314	0.7744	0.7221	0.6745
	0.6315	0.5738	0.5148	0.4733	0.4491	0.4418	0.4511	0.4892	0.6030	0.7768
	1.008	1.292	1.625	1.999						
0 3	16.00	14.19	12.50	10.93	9.479	8.158	6.960	5.881	5.157	4.701
	4.273	3.972	3.777	3.589	3.407	3.231	3.061	2.898	2.740	2.588
	2.443	2.302	2.168	2.039	1.915	1.797	1.685	1.578	1.476	1.379
	1.287	1.201	1.119	1.043	0.9712	0.9045	0.8426	0.7855	0.7331	0.6853
	0.6421	0.5842	0.5249	0.4831	0.4586	0.4509	0.4597	0.4972	0.6099	0.7825
	1.012	1.295	1.627	2.000						
0 4	16.00	14.20	12.50	10.93	9.484	8.164	6.967	5.889	5.166	4.711
	4.283	3.982	3.787	3.599	3.417	3.241	3.072	2.908	2.751	2.599
	2.453	2.313	2.178	2.049	1.926	1.808	1.695	1.588	1.486	1.389
	1.297	1.211	1.129	1.053	0.9809	0.9141	0.8521	0.7949	0.7423	0.6944
	0.6511	0.5930	0.5334	0.4914	0.4665	0.4585	0.4670	0.5039	0.6157	0.7873
	1.016	1.298	1.628	2.000						
0 5	16.00	14.20	12.50	10.93	9.489	8.172	6.976	5.899	5.177	4.722
	4.295	3.994	3.799	3.611	3.430	3.254	3.084	2.921	2.763	2.612
	2.466	2.325	2.191	2.062	1.938	1.820	1.708	1.600	1.498	1.401
	1.309	1.223	1.141	1.064	0.9926	0.9257	0.8636	0.8062	0.7535	0.7055
	0.6620	0.6037	0.5438	0.5014	0.4762	0.4677	0.4758	0.5120	0.6228	0.7932
	1.020	1.301	1.630	2.000						
0 6	16.00	14.20	12.51	10.94	9.496	8.180	6.987	5.912	5.190	4.736
	4.309	4.008	3.814	3.626	3.444	3.269	3.099	2.936	2.778	2.626
	2.481	2.340	2.206	2.077	1.953	1.835	1.722	1.615	1.513	1.416
	1.324	1.237	1.155	1.078	1.006	0.9394	0.8771	0.8196	0.7668	0.7186
	0.6749	0.6163	0.5561	0.5133	0.4876	0.4787	0.4863	0.5217	0.6312	0.8003
	1.026	1.304	1.632	2.000						
0 7	16.00	14.20	12.51	10.94	9.504	8.190	7.000	5.926	5.206	4.752
	4.325	4.025	3.831	3.643	3.461	3.286	3.116	2.953	2.795	2.644
	2.498	2.358	2.223	2.094	1.970	1.852	1.739	1.632	1.529	1.432
	1.340	1.253	1.172	1.095	1.022	0.9553	0.8928	0.8351	0.7821	0.7337
	0.6899	0.6310	0.5703	0.5270	0.5009	0.4914	0.4984	0.5329	0.6410	0.8084
	1.032	1.309	1.634	2.000						
0 8	16.00	14.20	12.51	10.95	9.512	8.202	7.014	5.943	5.224	4.771
	4.345	4.044	3.850	3.662	3.481	3.305	3.136	2.973	2.815	2.663
	2.517	2.377	2.243	2.113	1.990	1.872	1.759	1.651	1.549	1.451
	1.359	1.272	1.190	1.113	1.041	0.9734	0.9107	0.8528	0.7996	0.7510
	0.7070	0.6477	0.5865	0.5428	0.5160	0.5060	0.5124	0.5458	0.6523	0.8179
	1.040	1.314	1.637	2.000						
0 9	16.00	14.20	12.52	10.96	9.522	8.215	7.031	5.963	5.245	4.793
	4.367	4.066	3.872	3.685	3.503	3.328	3.158	2.995	2.837	2.686
	2.540	2.399	2.265	2.136	2.012	1.893	1.781	1.673	1.570	1.473
	1.381	1.293	1.211	1.134	1.061	0.9938	0.9310	0.8728	0.8194	0.7705
	0.7263	0.6666	0.6049	0.5606	0.5332	0.5225	0.5281	0.5605	0.6652	0.8287
	1.048	1.320	1.640	2.000						
0 10	16.00	14.20	12.52	10.96	9.532	8.229	7.050	5.986	5.269	4.817
	4.392	4.091	3.897	3.710	3.528	3.353	3.183	3.020	2.862	2.711

	2.565	2.424	2.289	2.160	2.036	1.918	1.805	1.697	1.594	1.497
	1.405	1.317	1.235	1.157	1.085	1.017	0.9536	0.8952	0.8415	0.7924
	0.7479	0.6878	0.6255	0.5805	0.5525	0.5411	0.5459	0.5769	0.6797	0.8409
	1.058	1.326	1.643	1.999						
0 11	16.00	14.21	12.52	10.97	9.540	8.241	7.066	6.005	5.290	4.838
	4.413	4.112	3.918	3.731	3.549	3.374	3.204	3.041	2.883	2.731
	2.585	2.445	2.310	2.181	2.057	1.938	1.825	1.717	1.615	1.517
	1.424	1.337	1.254	1.177	1.104	1.036	0.9725	0.9139	0.8599	0.8106
	0.7659	0.7055	0.6427	0.5972	0.5686	0.5566	0.5608	0.5908	0.6919	0.8512
	1.066	1.332	1.646	2.000						
0 12	16.00	14.21	12.53	10.97	9.545	8.249	7.078	6.019	5.304	4.853
	4.428	4.127	3.933	3.746	3.564	3.388	3.219	3.055	2.898	2.746
	2.600	2.459	2.325	2.195	2.071	1.953	1.840	1.732	1.629	1.531
	1.438	1.351	1.268	1.190	1.117	1.049	0.9857	0.9269	0.8729	0.8234
	0.7785	0.7179	0.6547	0.6088	0.5799	0.5675	0.5712	0.6006	0.7006	0.8585
	1.071	1.336	1.648	2.000						
0 13	16.00	14.21	12.53	10.97	9.550	8.258	7.090	6.035	5.320	4.869
	4.444	4.143	3.949	3.761	3.580	3.404	3.234	3.071	2.913	2.761
	2.615	2.475	2.340	2.210	2.086	1.968	1.854	1.746	1.644	1.546
	1.453	1.365	1.282	1.205	1.131	1.063	0.9995	0.9407	0.8864	0.8368
	0.7917	0.7309	0.6674	0.6211	0.5918	0.5790	0.5823	0.6108	0.7097	0.8663
	1.077	1.340	1.650	2.000						
0 14	16.00	14.21	12.53	10.98	9.556	8.267	7.104	6.051	5.337	4.887
	4.461	4.160	3.966	3.778	3.596	3.420	3.251	3.087	2.929	2.777
	2.631	2.491	2.356	2.226	2.102	1.983	1.870	1.762	1.659	1.561
	1.468	1.380	1.297	1.219	1.146	1.078	1.014	0.9550	0.9006	0.8509
	0.8056	0.7445	0.6807	0.6341	0.6043	0.5910	0.5939	0.6217	0.7194	0.8745
	1.084	1.345	1.652	2.000						
0 15	16.00	14.21	12.53	10.98	9.561	8.275	7.118	6.069	5.356	4.905
	4.479	4.178	3.983	3.795	3.613	3.438	3.268	3.104	2.946	2.794
	2.648	2.507	2.372	2.243	2.118	2.000	1.886	1.778	1.675	1.577
	1.484	1.396	1.313	1.235	1.162	1.093	1.029	0.9701	0.9155	0.8656
	0.8202	0.7588	0.6946	0.6476	0.6174	0.6037	0.6061	0.6331	0.7296	0.8832
	1.091	1.349	1.655	2.000						
0 16	16.00	14.21	12.53	10.98	9.566	8.284	7.133	6.088	5.375	4.924
	4.498	4.197	4.002	3.814	3.632	3.456	3.286	3.122	2.964	2.812
	2.666	2.525	2.390	2.260	2.136	2.017	1.903	1.795	1.692	1.594
	1.501	1.413	1.330	1.251	1.178	1.109	1.045	0.9858	0.9311	0.8810
	0.8354	0.7738	0.7092	0.6618	0.6312	0.6171	0.6189	0.6452	0.7403	0.8924
	1.098	1.354	1.657	2.000						
0 17	16.00	14.21	12.53	10.99	9.571	8.293	7.150	6.109	5.396	4.945
	4.518	4.216	4.021	3.833	3.651	3.475	3.305	3.141	2.983	2.831
	2.684	2.543	2.408	2.278	2.154	2.035	1.921	1.813	1.710	1.611
	1.518	1.430	1.347	1.268	1.195	1.126	1.062	1.002	0.9473	0.8971
	0.8513	0.7894	0.7245	0.6767	0.6456	0.6310	0.6324	0.6578	0.7517	0.9021
	1.106	1.360	1.660	2.000						
0 18	16.00	14.21	12.54	10.99	9.575	8.301	7.168	6.131	5.419	4.966
	4.538	4.237	4.042	3.853	3.671	3.495	3.324	3.160	3.002	2.850
	2.703	2.562	2.427	2.297	2.172	2.053	1.940	1.831	1.728	1.630
	1.536	1.448	1.365	1.286	1.212	1.143	1.079	1.019	0.9643	0.9139
	0.8680	0.8058	0.7404	0.6922	0.6608	0.6457	0.6465	0.6711	0.7636	0.9124
	1.114	1.365	1.663	2.000						
0 19	16.00	14.21	12.54	10.99	9.579	8.309	7.186	6.155	5.443	4.989
	4.560	4.258	4.063	3.874	3.692	3.515	3.345	3.181	3.023	2.870
	2.724	2.582	2.446	2.316	2.192	2.073	1.959	1.850	1.747	1.648
	1.555	1.467	1.383	1.304	1.231	1.161	1.097	1.037	0.9820	0.9314
	0.8853	0.8229	0.7571	0.7085	0.6766	0.6610	0.6613	0.6851	0.7763	0.9233
	1.123	1.371	1.666	2.000						
0 20	16.00	14.21	12.54	10.99	9.582	8.315	7.204	6.179	5.468	5.013
	4.583	4.280	4.085	3.896	3.713	3.537	3.367	3.203	3.044	2.892
	2.745	2.603	2.467	2.337	2.212	2.093	1.979	1.870	1.767	1.668
	1.574	1.486	1.402	1.323	1.250	1.180	1.116	1.056	1.000	0.9497
	0.9034	0.8407	0.7745	0.7254	0.6931	0.6770	0.6768	0.6997	0.7895	0.9349
	1.132	1.378	1.669	2.000						
0 21	16.00	14.21	12.54	10.99	9.584	8.319	7.217	6.197	5.493	5.037
	4.605	4.302	4.107	3.918	3.736	3.559	3.389	3.225	3.067	2.914
	2.767	2.625	2.489	2.358	2.233	2.114	1.999	1.891	1.787	1.688
	1.595	1.506	1.422	1.343	1.269	1.200	1.135	1.075	1.020	0.9687
	0.9223	0.8592	0.7927	0.7431	0.7103	0.6938	0.6930	0.7151	0.8036	0.9471
	1.142	1.385	1.673	2.000						
0 22	16.00	14.21	12.54	10.99	9.586	8.321	7.214	6.199	5.516	5.060
	4.627	4.324	4.129	3.940	3.758	3.582	3.412	3.248	3.089	2.936

	2.789	2.647	2.511	2.380	2.255	2.135	2.021	1.912	1.808	1.709
	1.615	1.527	1.443	1.364	1.290	1.220	1.155	1.095	1.040	0.9885
	0.9419	0.8786	0.8116	0.7616	0.7283	0.7112	0.7100	0.7311	0.8183	0.9600
	1.153	1.392	1.676	2.000						
0 23	16.00	14.21	12.54	11.00	9.586	8.320	7.205	6.193	5.529	5.080
	4.647	4.344	4.149	3.961	3.779	3.603	3.433	3.269	3.111	2.958
	2.811	2.669	2.533	2.402	2.277	2.157	2.042	1.933	1.829	1.731
	1.637	1.548	1.464	1.385	1.311	1.241	1.176	1.116	1.060	1.009
	0.9623	0.8987	0.8312	0.7808	0.7470	0.7295	0.7277	0.7479	0.8339	0.9737
	1.164	1.400	1.680	1.999						
0 24	16.00	14.21	12.54	11.00	9.586	8.318	7.197	6.186	5.527	5.090
	4.657	4.355	4.160	3.972	3.790	3.614	3.445	3.282	3.124	2.972
	2.824	2.683	2.547	2.417	2.292	2.172	2.058	1.949	1.845	1.746
	1.653	1.564	1.480	1.401	1.327	1.257	1.193	1.132	1.076	1.025
	0.9781	0.9143	0.8466	0.7958	0.7616	0.7438	0.7416	0.7611	0.8462	0.9845
	1.173	1.406	1.683	2.000						
0 25	16.00	14.21	12.54	11.00	9.586	8.317	7.191	6.180	5.521	5.093
	4.661	4.359	4.164	3.976	3.794	3.619	3.450	3.287	3.129	2.978
	2.831	2.691	2.556	2.425	2.301	2.182	2.068	1.959	1.855	1.757
	1.663	1.575	1.491	1.412	1.338	1.268	1.203	1.143	1.087	1.036
	0.9888	0.9249	0.8570	0.8059	0.7715	0.7535	0.7510	0.7701	0.8546	0.9920
	1.179	1.410	1.685	2.000						
0 26	16.00	14.21	12.54	11.00	9.585	8.315	7.186	6.174	5.514	5.090
	4.661	4.358	4.163	3.975	3.793	3.618	3.449	3.286	3.129	2.979
	2.834	2.695	2.561	2.432	2.308	2.190	2.076	1.968	1.865	1.766
	1.673	1.585	1.501	1.422	1.349	1.279	1.214	1.154	1.098	1.047
	0.9995	0.9356	0.8675	0.8162	0.7816	0.7634	0.7606	0.7793	0.8633	0.9997
	1.185	1.415	1.687	2.000						
0 27	16.00	14.21	12.54	10.99	9.584	8.313	7.181	6.167	5.504	5.081
	4.656	4.353	4.158	3.970	3.789	3.614	3.445	3.282	3.126	2.976
	2.833	2.695	2.562	2.435	2.312	2.195	2.082	1.975	1.873	1.775
	1.682	1.594	1.511	1.432	1.359	1.289	1.225	1.165	1.109	1.057
	1.010	0.9464	0.8782	0.8266	0.7919	0.7735	0.7705	0.7886	0.8721	1.008
	1.192	1.419	1.690	2.000						
0 28	16.00	14.21	12.54	10.99	9.584	8.311	7.176	6.161	5.494	5.070
	4.647	4.345	4.151	3.963	3.782	3.607	3.439	3.277	3.121	2.971
	2.828	2.691	2.559	2.433	2.311	2.195	2.085	1.979	1.878	1.781
	1.689	1.602	1.519	1.441	1.368	1.299	1.235	1.175	1.119	1.068
	1.021	0.9572	0.8889	0.8372	0.8022	0.7837	0.7805	0.7981	0.8813	1.016
	1.199	1.424	1.692	2.000						
0 29	16.00	14.21	12.54	10.99	9.583	8.309	7.171	6.154	5.483	5.057
	4.637	4.336	4.142	3.955	3.774	3.600	3.432	3.270	3.114	2.965
	2.822	2.685	2.553	2.428	2.307	2.192	2.083	1.978	1.878	1.783
	1.693	1.607	1.525	1.449	1.376	1.308	1.244	1.185	1.129	1.078
	1.031	0.9679	0.8996	0.8477	0.8127	0.7942	0.7906	0.8078	0.8906	1.024
	1.206	1.429	1.694	2.000						
0 30	16.00	14.21	12.54	10.99	9.582	8.306	7.166	6.146	5.473	5.044
	4.626	4.327	4.133	3.947	3.766	3.592	3.424	3.262	3.107	2.958
	2.815	2.678	2.547	2.422	2.301	2.187	2.078	1.974	1.875	1.781
	1.692	1.607	1.528	1.453	1.381	1.314	1.251	1.193	1.138	1.087
	1.041	0.9781	0.9100	0.8582	0.8232	0.8047	0.8009	0.8177	0.9002	1.033
	1.213	1.434	1.696	2.000						
0 31	16.00	14.21	12.54	10.99	9.581	8.304	7.161	6.139	5.462	5.032
	4.615	4.317	4.124	3.938	3.758	3.584	3.416	3.255	3.100	2.951
	2.808	2.671	2.540	2.414	2.294	2.180	2.071	1.968	1.869	1.776
	1.688	1.604	1.526	1.451	1.382	1.317	1.256	1.198	1.144	1.095
	1.049	0.9874	0.9200	0.8685	0.8335	0.8153	0.8113	0.8276	0.9100	1.041
	1.221	1.439	1.698	2.000						
0 32	16.00	14.21	12.54	10.99	9.580	8.301	7.156	6.132	5.452	5.020
	4.604	4.307	4.115	3.929	3.749	3.575	3.408	3.247	3.092	2.943
	2.800	2.663	2.532	2.407	2.287	2.173	2.064	1.961	1.862	1.770
	1.682	1.599	1.521	1.447	1.378	1.315	1.255	1.199	1.148	1.100
	1.055	0.9950	0.9289	0.8781	0.8435	0.8257	0.8217	0.8376	0.9201	1.050
	1.229	1.444	1.701	2.000						
0 33	16.00	14.21	12.54	10.99	9.578	8.299	7.151	6.125	5.442	5.009
	4.593	4.297	4.105	3.920	3.740	3.567	3.400	3.239	3.084	2.935
	2.792	2.655	2.524	2.399	2.279	2.165	2.056	1.953	1.855	1.762
	1.674	1.592	1.514	1.441	1.373	1.310	1.250	1.196	1.146	1.100
	1.058	0.9997	0.9360	0.8867	0.8529	0.8358	0.8318	0.8476	0.9302	1.060
	1.237	1.450	1.703	2.000						
0 34	16.00	14.21	12.54	10.99	9.577	8.296	7.147	6.118	5.433	4.998
	4.583	4.287	4.096	3.911	3.732	3.558	3.392	3.231	3.076	2.927

	2.784	2.648	2.517	2.391	2.271	2.157	2.049	1.945	1.847	1.754
	1.667	1.584	1.507	1.434	1.366	1.303	1.245	1.190	1.141	1.096
	1.055	0.9991	0.9400	0.8934	0.8611	0.8450	0.8415	0.8574	0.9405	1.069
	1.246	1.456	1.705	2.000						
0 35	16.00	14.21	12.54	10.99	9.576	8.294	7.142	6.112	5.424	4.988
	4.573	4.278	4.087	3.902	3.723	3.550	3.383	3.223	3.068	2.920
	2.777	2.640	2.509	2.383	2.264	2.149	2.041	1.937	1.839	1.747
	1.659	1.577	1.499	1.427	1.359	1.296	1.238	1.184	1.135	1.090
	1.050	0.9953	0.9389	0.8970	0.8672	0.8526	0.8500	0.8667	0.9505	1.078
	1.255	1.462	1.707	2.000						
0 36	16.00	14.21	12.54	10.99	9.574	8.291	7.138	6.105	5.415	4.979
	4.564	4.269	4.078	3.893	3.715	3.542	3.376	3.215	3.060	2.912
	2.769	2.632	2.501	2.376	2.256	2.142	2.033	1.930	1.832	1.739
	1.651	1.569	1.491	1.419	1.351	1.288	1.230	1.177	1.128	1.084
	1.044	0.9895	0.9346	0.8954	0.8700	0.8572	0.8567	0.8752	0.9600	1.087
	1.263	1.467	1.710	2.000						
0 37	16.00	14.21	12.54	10.99	9.573	8.288	7.133	6.099	5.407	4.970
	4.555	4.260	4.070	3.885	3.707	3.534	3.368	3.207	3.053	2.904
	2.762	2.625	2.494	2.368	2.249	2.134	2.025	1.922	1.824	1.731
	1.643	1.561	1.483	1.411	1.343	1.280	1.222	1.169	1.120	1.076
	1.036	0.9826	0.9285	0.8907	0.8675	0.8565	0.8603	0.8823	0.9684	1.096
	1.272	1.474	1.712	2.000						
0 38	16.00	14.21	12.54	10.99	9.571	8.284	7.127	6.089	5.395	4.957
	4.542	4.247	4.057	3.873	3.695	3.523	3.356	3.196	3.042	2.893
	2.751	2.614	2.483	2.357	2.238	2.123	2.014	1.911	1.813	1.720
	1.632	1.549	1.472	1.399	1.332	1.269	1.211	1.157	1.109	1.064
	1.025	0.9713	0.9178	0.8808	0.8591	0.8504	0.8576	0.8891	0.9777	1.108
	1.285	1.483	1.715	2.000						
0 39	16.00	14.21	12.54	10.99	9.568	8.279	7.118	6.078	5.381	4.941
	4.526	4.232	4.042	3.858	3.680	3.508	3.342	3.182	3.028	2.879
	2.737	2.600	2.469	2.343	2.224	2.109	2.000	1.897	1.798	1.705
	1.618	1.535	1.457	1.384	1.317	1.254	1.195	1.142	1.093	1.049
	1.009	0.9556	0.9020	0.8650	0.8436	0.8362	0.8447	0.8793	0.9711	1.116
	1.296	1.494	1.718	2.000						
0 40	16.00	14.21	12.54	10.98	9.563	8.272	7.107	6.062	5.361	4.920
	4.504	4.210	4.020	3.837	3.659	3.487	3.321	3.161	3.007	2.859
	2.717	2.580	2.449	2.323	2.204	2.089	1.980	1.876	1.778	1.685
	1.597	1.514	1.436	1.363	1.295	1.232	1.174	1.120	1.071	1.026
	0.9862	0.9326	0.8784	0.8407	0.8189	0.8121	0.8206	0.8551	0.9502	1.100
	1.284	1.508	1.720	2.000						
0 41	16.00	14.21	12.53	10.98	9.557	8.262	7.093	6.043	5.339	4.897
	4.480	4.186	3.996	3.812	3.634	3.463	3.297	3.137	2.983	2.835
	2.693	2.556	2.425	2.300	2.180	2.065	1.956	1.852	1.754	1.661
	1.573	1.489	1.411	1.338	1.270	1.207	1.148	1.094	1.044	0.9994
	0.9590	0.9049	0.8499	0.8114	0.7888	0.7816	0.7894	0.8226	0.9188	1.067
	1.255	1.480	1.715	2.000						
0 42	16.00	14.21	12.53	10.98	9.551	8.254	7.081	6.027	5.321	4.877
	4.459	4.165	3.975	3.791	3.613	3.442	3.276	3.116	2.962	2.814
	2.672	2.535	2.404	2.279	2.159	2.045	1.935	1.832	1.733	1.640
	1.551	1.468	1.390	1.316	1.248	1.184	1.125	1.071	1.021	0.9760
	0.9352	0.8806	0.8250	0.7858	0.7626	0.7548	0.7619	0.7941	0.8904	1.037
	1.227	1.455	1.707	2.000						
0 43	16.00	14.21	12.53	10.97	9.546	8.246	7.070	6.013	5.306	4.861
	4.442	4.147	3.957	3.773	3.596	3.424	3.258	3.098	2.945	2.797
	2.654	2.518	2.387	2.261	2.141	2.027	1.918	1.814	1.715	1.621
	1.533	1.450	1.371	1.298	1.229	1.165	1.106	1.051	1.001	0.9559
	0.9149	0.8599	0.8037	0.7640	0.7403	0.7320	0.7386	0.7701	0.8663	1.013
	1.204	1.435	1.699	2.000						
0 44	16.00	14.21	12.53	10.97	9.542	8.240	7.062	6.003	5.293	4.848
	4.428	4.133	3.943	3.759	3.581	3.409	3.244	3.084	2.930	2.782
	2.640	2.503	2.372	2.246	2.126	2.012	1.903	1.799	1.700	1.606
	1.518	1.434	1.356	1.282	1.213	1.149	1.090	1.035	0.9849	0.9393
	0.8980	0.8427	0.7861	0.7459	0.7218	0.7131	0.7193	0.7504	0.8465	0.9933
	1.186	1.420	1.692	2.000						
0 45	16.00	14.21	12.53	10.97	9.538	8.235	7.055	5.994	5.284	4.837
	4.418	4.122	3.932	3.748	3.570	3.398	3.232	3.072	2.918	2.770
	2.628	2.491	2.360	2.235	2.115	2.000	1.891	1.787	1.688	1.594
	1.506	1.422	1.343	1.270	1.201	1.137	1.077	1.022	0.9718	0.9260
	0.8846	0.8291	0.7720	0.7315	0.7070	0.6981	0.7041	0.7348	0.8308	0.9780
	1.172	1.409	1.686	2.000						
0 46	16.00	14.21	12.53	10.97	9.536	8.231	7.050	5.988	5.276	4.830
	4.410	4.114	3.924	3.739	3.561	3.389	3.223	3.064	2.910	2.761

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        2.619       2.482       2.351       2.226       2.106       1.991       1.882       1.778       1.679       1.585
        1.497       1.413       1.334       1.260       1.191       1.127       1.067       1.012      0.9620      0.9161
       0.8746      0.8188      0.7615      0.7208      0.6961      0.6869      0.6927      0.7232      0.8193      0.9668
        1.162       1.402       1.682       2.000
0 47    16.00       14.21       12.52       10.96       9.533       8.227       7.045       5.981       5.269       4.822
        4.402       4.106       3.915       3.731       3.553       3.381       3.215       3.055       2.901       2.753
        2.610       2.474       2.342       2.217       2.097       1.982       1.873       1.769       1.670       1.576
        1.487       1.404       1.325       1.251       1.182       1.118       1.058       1.003      0.9523      0.9062
       0.8646      0.8086      0.7511      0.7101      0.6851      0.6757      0.6814      0.7118      0.8078      0.9559
        1.152       1.394       1.678       2.000
0HEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  3, STRESS PERIOD  1
0


          TIME SUMMARY AT END OF TIME STEP  3 IN STRESS PERIOD  1
                                 SECONDS        MINUTES         HOURS           DAYS            YEARS
                              ----------------------------------------------------------------------------
      TIME STEP LENGTH         0.259200E+07    43200.0        720.000         30.0000        0.821355E-01
    STRESS PERIOD TIME         0.777600E+07    129600.        2160.00         90.0000        0.246407
 TOTAL SIMULATION TIME         0.777600E+07    129600.        2160.00         90.0000        0.246407
1
    21 ITERATIONS FOR TIME STEP   4 IN STRESS PERIOD  1
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    1.260      (  1, 47,  5)  0.3389     (  1, 28, 13)  0.4401     (  2, 47,  8)  0.7982     (  2,  3, 21)  0.8743     (  2, 34, 19
  -0.2894E-01 (  1, 25, 10)  0.2687E-01 (  2,  2, 48)  0.5476E-01 (  2,  4, 47)  0.5266E-01 (  2, 12, 47)  0.3746E-01 (  2, 21, 36
   0.5206E-02 (  1, 44, 13)  0.3568E-02 (  2, 20, 10)  0.7578E-02 (  2, 22, 11)  0.1133E-01 (  2, 14, 16)  0.7835E-02 (  2, 33, 27
  -0.1172E-02 (  2, 10, 11) -0.2421E-02 (  2, 19, 19)  0.2218E-02 (  2, 20, 36) -0.6360E-02 (  2, 22, 21)  0.2876E-02 (  2, 25, 24
  -0.7593E-03 (  1, 21, 23)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                    HEAD IN LAYER  1 AT END OF TIME STEP  4 IN STRESS PERIOD  1
            ----------------------------------------------------------------
            1           2           3           4           5           6           7           8           9          10
           11          12          13          14          15          16          17          18          19          20
           21          22          23          24          25          26          27          28          29          30
           31          32          33          34          35          36          37          38          39          40
           41          42          43          44          45          46          47          48          49          50
           51          52          53          54
 ------------------------------------------------------------------------------------------------------------------------------
0  1    15.99       13.74       12.09       10.63       9.295       8.075       6.965       5.960       5.283       4.856
        4.453       4.169       3.985       3.807       3.634       3.467       3.305       3.149       2.998       2.852
        2.712       2.577       2.447       2.322       2.201       2.086       1.976       1.870       1.769       1.673
        1.582       1.495       1.412       1.335       1.261       1.192       1.127       1.067       1.010      0.9584
       0.9106      0.8449      0.7734      0.7178      0.6777      0.6528      0.6427      0.6495      0.7150      0.8346
        1.006       1.228       1.520       2.003
0  2    15.99       13.74       12.09       10.63       9.299       8.080       6.970       5.967       5.290       4.864
        4.461       4.177       3.993       3.814       3.642       3.475       3.313       3.157       3.006       2.861
        2.720       2.585       2.455       2.330       2.209       2.094       1.984       1.878       1.777       1.681
        1.590       1.503       1.420       1.342       1.269       1.199       1.135       1.074       1.018      0.9655
       0.9175      0.8517      0.7801      0.7242      0.6839      0.6587      0.6483      0.6547      0.7195      0.8383
        1.009       1.230       1.520       2.005
0  3    15.99       13.74       12.09       10.64       9.305       8.087       6.979       5.976       5.301       4.874
        4.472       4.188       4.004       3.826       3.654       3.487       3.325       3.169       3.018       2.873
        2.733       2.597       2.467       2.342       2.222       2.106       1.996       1.890       1.789       1.693
        1.601       1.514       1.432       1.354       1.280       1.211       1.146       1.085       1.029      0.9762
       0.9281      0.8621      0.7901      0.7340      0.6932      0.6676      0.6569      0.6625      0.7263      0.8440
        1.013       1.233       1.523       2.003
0  4    15.99       13.75       12.09       10.64       9.309       8.093       6.986       5.985       5.310       4.884
        4.482       4.198       4.014       3.836       3.664       3.497       3.336       3.180       3.029       2.883
        2.743       2.608       2.478       2.352       2.232       2.117       2.006       1.900       1.799       1.703
        1.611       1.524       1.441       1.363       1.289       1.220       1.155       1.094       1.038      0.9853
       0.9370      0.8708      0.7986      0.7421      0.7011      0.6752      0.6641      0.6692      0.7321      0.8488
        1.017       1.235       1.524       2.003
0  5    15.99       13.75       12.09       10.64       9.315       8.100       6.995       5.995       5.321       4.895
        4.493       4.210       4.026       3.848       3.676       3.509       3.348       3.192       3.041       2.896
        2.756       2.620       2.490       2.365       2.245       2.129       2.019       1.913       1.812       1.715
        1.623       1.536       1.453       1.375       1.301       1.232       1.166       1.105       1.049      0.9962
       0.9478      0.8814      0.8088      0.7520      0.7106      0.6843      0.6728      0.6772      0.7392      0.8547
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	1.021	1.238	1.526	2.003						
0 6	15.99	13.75	12.10	10.65	9.322	8.109	7.006	6.007	5.334	4.909
	4.507	4.224	4.041	3.863	3.691	3.524	3.363	3.207	3.056	2.911
	2.770	2.635	2.505	2.380	2.259	2.144	2.033	1.927	1.826	1.729
	1.637	1.550	1.467	1.389	1.315	1.245	1.180	1.119	1.062	1.009
	0.9606	0.8939	0.8210	0.7638	0.7219	0.6952	0.6832	0.6868	0.7475	0.8616
	1.027	1.242	1.528	2.003						
0 7	15.99	13.75	12.10	10.65	9.329	8.119	7.018	6.021	5.349	4.924
	4.524	4.240	4.057	3.880	3.708	3.541	3.380	3.224	3.073	2.928
	2.787	2.652	2.522	2.397	2.276	2.161	2.050	1.944	1.842	1.746
	1.654	1.566	1.483	1.405	1.330	1.261	1.195	1.134	1.077	1.024
	0.9753	0.9083	0.8350	0.7773	0.7350	0.7077	0.6952	0.6979	0.7572	0.8698
	1.033	1.247	1.530	2.003						
0 8	15.99	13.75	12.10	10.66	9.338	8.130	7.032	6.038	5.367	4.943
	4.542	4.259	4.076	3.899	3.727	3.560	3.399	3.243	3.093	2.947
	2.807	2.672	2.541	2.416	2.295	2.180	2.069	1.963	1.861	1.765
	1.672	1.585	1.502	1.423	1.349	1.279	1.213	1.151	1.094	1.041
	0.9922	0.9248	0.8510	0.7928	0.7500	0.7221	0.7089	0.7107	0.7684	0.8791
	1.040	1.251	1.532	2.003						
0 9	15.99	13.75	12.11	10.67	9.347	8.143	7.049	6.057	5.387	4.964
	4.564	4.281	4.098	3.921	3.749	3.582	3.421	3.265	3.115	2.969
	2.829	2.693	2.563	2.438	2.317	2.201	2.090	1.984	1.883	1.786
	1.693	1.606	1.522	1.443	1.369	1.299	1.233	1.171	1.114	1.060
	1.011	0.9435	0.8691	0.8104	0.7669	0.7384	0.7245	0.7251	0.7811	0.8897
	1.049	1.257	1.535	2.003						
0 10	15.99	13.75	12.11	10.67	9.357	8.157	7.067	6.080	5.411	4.988
	4.588	4.306	4.123	3.945	3.773	3.607	3.446	3.290	3.139	2.994
	2.853	2.718	2.587	2.462	2.341	2.226	2.115	2.008	1.907	1.809
	1.717	1.629	1.545	1.466	1.392	1.321	1.255	1.193	1.135	1.082
	1.032	0.9643	0.8893	0.8300	0.7859	0.7567	0.7420	0.7414	0.7954	0.9018
	1.058	1.264	1.538	2.005						
0 11	15.99	13.76	12.12	10.68	9.364	8.169	7.083	6.099	5.432	5.009
	4.609	4.327	4.144	3.966	3.794	3.627	3.466	3.310	3.160	3.014
	2.874	2.738	2.608	2.482	2.361	2.246	2.135	2.028	1.926	1.829
	1.737	1.648	1.565	1.485	1.411	1.340	1.274	1.212	1.154	1.100
	1.050	0.9816	0.9062	0.8463	0.8017	0.7719	0.7567	0.7550	0.8075	0.9119
	1.066	1.269	1.541	2.003						
0 12	15.99	13.76	12.12	10.68	9.370	8.177	7.095	6.113	5.446	5.024
	4.624	4.341	4.158	3.980	3.808	3.641	3.480	3.325	3.175	3.029
	2.889	2.753	2.622	2.496	2.375	2.260	2.149	2.042	1.940	1.843
	1.750	1.662	1.578	1.499	1.424	1.353	1.287	1.224	1.166	1.112
	1.062	0.9937	0.9180	0.8578	0.8128	0.7827	0.7670	0.7646	0.8160	0.9191
	1.072	1.273	1.543	2.003						
0 13	15.99	13.76	12.12	10.68	9.375	8.185	7.109	6.129	5.462	5.040
	4.640	4.357	4.173	3.995	3.822	3.655	3.495	3.340	3.191	3.046
	2.905	2.769	2.637	2.511	2.390	2.274	2.163	2.057	1.955	1.858
	1.765	1.676	1.592	1.513	1.438	1.367	1.300	1.238	1.180	1.125
	1.075	1.006	0.9304	0.8699	0.8245	0.7940	0.7778	0.7747	0.8249	0.9267
	1.078	1.277	1.545	2.003						
0 14	15.99	13.76	12.12	10.69	9.380	8.194	7.125	6.148	5.481	5.057
	4.657	4.373	4.189	4.010	3.834	3.667	3.508	3.357	3.214	3.068
	2.926	2.790	2.654	2.525	2.403	2.289	2.180	2.075	1.972	1.874
	1.780	1.691	1.607	1.528	1.452	1.381	1.314	1.252	1.193	1.139
	1.089	1.020	0.9435	0.8826	0.8368	0.8058	0.7892	0.7854	0.8344	0.9348
	1.084	1.282	1.548	2.003						
0 15	15.99	13.76	12.12	10.69	9.386	8.205	7.148	6.175	5.503	5.077
	4.675	4.391	4.206	4.024	3.840	3.669	3.515	3.370	3.244	3.100
	2.955	2.822	2.673	2.536	2.410	2.303	2.199	2.097	1.992	1.891
	1.796	1.707	1.623	1.543	1.467	1.396	1.329	1.267	1.208	1.154
	1.103	1.034	0.9571	0.8959	0.8497	0.8183	0.8012	0.7966	0.8444	0.9433
	1.091	1.286	1.550	2.003						
0 16	15.99	13.76	12.12	10.69	9.391	8.217	7.188	6.219	5.533	5.100
	4.695	4.410	4.225	4.042	3.854	3.679	3.526	3.381	3.249	3.114
	2.987	2.882	2.709	2.536	2.395	2.313	2.219	2.129	2.021	1.911
	1.814	1.724	1.639	1.559	1.483	1.412	1.345	1.282	1.223	1.169
	1.118	1.049	0.9715	0.9098	0.8632	0.8314	0.8138	0.8084	0.8549	0.9523
	1.098	1.291	1.552	2.003						
0 17	15.99	13.76	12.13	10.70	9.396	8.233	7.272	6.308	5.582	5.132
	4.720	4.433	4.248	4.065	3.875	3.685	3.539	3.400	3.264	3.131
	3.008	2.906	2.732	2.550	2.406	2.327	2.236	2.149	2.042	1.930
	1.832	1.741	1.656	1.576	1.500	1.428	1.361	1.298	1.239	1.185
	1.134	1.064	0.9865	0.9244	0.8774	0.8450	0.8270	0.8208	0.8660	0.9618

	1.105	1.296	1.555	2.003						
0 18	15.99	13.76	12.13	10.70	9.401	8.258	7.471	6.513	5.679	5.182
	4.752	4.462	4.277	4.102	3.950	3.737	3.531	3.416	3.283	3.152
	3.030	2.922	2.747	2.563	2.429	2.349	2.258	2.170	2.062	1.949
	1.850	1.759	1.674	1.594	1.517	1.446	1.378	1.315	1.256	1.201
	1.150	1.080	1.002	0.9397	0.8922	0.8594	0.8408	0.8338	0.8777	0.9719
	1.113	1.302	1.558	2.003						
0 19	15.99	13.76	12.13	10.70	9.407	8.299	7.962	7.020	5.890	5.273
	4.802	4.506	4.319	4.141	3.972	3.800	3.614	3.465	3.322	3.189
	3.083	2.881	2.728	2.550	2.470	2.379	2.284	2.194	2.085	1.971
	1.871	1.780	1.694	1.613	1.536	1.464	1.397	1.333	1.274	1.219
	1.168	1.097	1.019	0.9557	0.9077	0.8744	0.8553	0.8474	0.8900	0.9825
	1.122	1.308	1.561	2.003						
0 20	15.99	13.76	12.13	10.70	9.412	8.362	9.187	8.281	6.378	5.457
	4.893	4.586	4.397	4.217	4.044	3.874	3.706	3.550	3.400	3.262
	3.154	2.902	2.748	2.587	2.514	2.418	2.318	2.225	2.113	1.997
	1.897	1.804	1.717	1.636	1.558	1.486	1.417	1.353	1.293	1.238
	1.186	1.115	1.036	0.9726	0.9240	0.8902	0.8705	0.8618	0.9030	0.9937
	1.131	1.314	1.564	2.003						
0 21	15.99	13.76	12.13	10.70	9.416	8.429	12.16	11.35	7.506	5.836
	5.076	4.758	4.569	4.390	4.217	4.048	3.882	3.722	3.565	3.412
	3.283	2.963	2.803	2.669	2.583	2.476	2.366	2.267	2.155	2.038
	1.935	1.840	1.750	1.666	1.587	1.513	1.443	1.378	1.317	1.260
	1.208	1.135	1.055	0.9907	0.9414	0.9069	0.8866	0.8768	0.9168	1.006
	1.141	1.321	1.567	2.003						
0 22	15.99	13.76	12.13	10.70	9.416	8.368	9.201	8.503	10.03	6.606
	5.466	5.165	4.987	4.812	4.639	4.470	4.304	4.139	3.967	3.775
	3.565	3.414	3.209	2.929	2.761	2.617	2.480	2.355	2.238	2.118
	2.008	1.905	1.808	1.718	1.634	1.555	1.481	1.413	1.349	1.289
	1.235	1.160	1.078	1.011	0.9605	0.9250	0.9038	0.8928	0.9314	1.018
	1.151	1.328	1.571	2.003						
0 23	15.99	13.76	12.13	10.70	9.414	8.310	7.982	7.379	12.09	8.066
	6.312	6.169	6.028	5.860	5.689	5.521	5.355	5.186	4.993	4.724
	4.294	4.011	3.749	3.430	3.197	2.997	2.790	2.617	2.462	2.308
	2.172	2.048	1.931	1.825	1.727	1.636	1.553	1.476	1.404	1.338
	1.278	1.197	1.108	1.036	0.9830	0.9459	0.9232	0.9103	0.9473	1.032
	1.162	1.336	1.575	2.005						
0 24	15.99	13.76	12.13	10.70	9.412	8.283	7.606	6.970	11.21	10.56
	7.684	8.070	7.967	7.799	7.628	7.462	7.301	7.137	6.946	6.602
	5.599	5.218	4.881	4.296	3.972	3.701	3.346	3.101	2.892	2.658
	2.474	2.314	2.151	2.014	1.893	1.775	1.672	1.579	1.491	1.411
	1.340	1.247	1.145	1.065	1.006	0.9665	0.9413	0.9253	0.9609	1.043
	1.171	1.342	1.578	2.003						
0 25	15.99	13.76	12.13	10.70	9.412	8.269	7.448	6.763	9.413	13.37
	8.991	10.13	10.00	9.820	9.650	9.488	9.333	9.179	9.013	8.704
	6.862	6.513	6.156	5.176	4.803	4.483	3.929	3.626	3.370	3.033
	2.803	2.607	2.389	2.220	2.073	1.925	1.801	1.691	1.583	1.487
	1.403	1.297	1.181	1.091	1.026	0.9838	0.9559	0.9367	0.9711	1.052
	1.178	1.346	1.580	2.003						
0 26	15.99	13.76	12.13	10.70	9.411	8.259	7.350	6.609	8.244	13.25
	10.77	8.367	7.984	7.765	7.583	7.415	7.257	7.108	6.982	7.005
	8.543	8.554	8.282	6.455	6.120	5.780	4.820	4.465	4.160	3.621
	3.332	3.090	2.767	2.552	2.370	2.165	2.008	1.872	1.730	1.608
	1.502	1.376	1.236	1.129	1.054	1.007	0.9747	0.9501	0.9829	1.061
	1.186	1.351	1.582	2.003						
0 27	15.99	13.76	12.13	10.70	9.410	8.251	7.287	6.496	7.380	10.12
	8.571	7.073	6.670	6.434	6.246	6.076	5.916	5.771	5.665	5.720
	6.407	6.493	6.576	8.154	8.182	7.927	6.109	5.790	5.465	4.517
	4.176	3.885	3.359	3.083	2.855	2.545	2.340	2.167	1.964	1.800
	1.658	1.501	1.320	1.185	1.094	1.040	1.000	0.9669	0.9975	1.071
	1.194	1.356	1.584	2.003						
0 28	15.99	13.76	12.13	10.70	9.409	8.245	7.247	6.413	6.770	8.165
	7.150	6.175	5.817	5.584	5.394	5.223	5.064	4.920	4.815	4.826
	5.109	5.172	5.288	6.009	6.115	6.217	7.820	7.865	7.624	5.813
	5.507	5.196	4.258	3.930	3.652	3.138	2.873	2.651	2.336	2.108
	1.903	1.701	1.453	1.271	1.153	1.089	1.037	0.9891	1.017	1.084
	1.205	1.362	1.586	2.003						
0 29	15.99	13.76	12.13	10.70	9.407	8.240	7.220	6.353	6.353	6.969
	6.247	5.573	5.268	5.045	4.857	4.686	4.527	4.383	4.270	4.232
	4.318	4.332	4.396	4.710	4.793	4.927	5.668	5.790	5.907	7.533
	7.592	7.363	5.558	5.266	4.967	4.038	3.721	3.447	2.921	2.603
	2.288	2.025	1.666	1.407	1.245	1.166	1.092	1.020	1.043	1.100

	1.218	1.368	1.589	2.003						
0 30	15.99	13.77	12.13	10.70	9.406	8.236	7.202	6.310	6.074	6.244
	5.681	5.178	4.915	4.705	4.520	4.351	4.192	4.046	3.924	3.848
	3.833	3.802	3.807	3.919	3.953	4.034	4.365	4.464	4.613	5.372
	5.509	5.640	7.286	7.359	7.142	5.343	5.060	4.764	3.815	3.402
	2.883	2.549	2.006	1.622	1.389	1.289	1.178	1.066	1.083	1.122
	1.236	1.376	1.591	2.003						
0 31	15.99	13.77	12.13	10.70	9.405	8.232	7.189	6.278	5.890	5.807
	5.328	4.923	4.690	4.490	4.310	4.141	3.982	3.835	3.705	3.603
	3.535	3.469	3.428	3.436	3.423	3.445	3.573	3.622	3.719	4.065
	4.178	4.342	5.118	5.268	5.413	7.077	7.160	6.948	5.123	4.699
	3.781	3.399	2.550	1.965	1.617	1.487	1.314	1.135	1.143	1.154
	1.262	1.386	1.594	2.003						
0 32	15.99	13.77	12.13	10.70	9.404	8.229	7.180	6.254	5.769	5.544
	5.109	4.759	4.547	4.355	4.178	4.010	3.852	3.702	3.566	3.449
	3.351	3.261	3.188	3.140	3.092	3.067	3.090	3.093	3.129	3.272
	3.336	3.446	3.808	3.935	4.112	4.903	5.066	5.220	6.883	6.836
	5.079	4.764	3.412	2.511	1.978	1.811	1.532	1.243	1.239	1.200
	1.301	1.400	1.597	2.003						
0 33	15.99	13.77	12.13	10.70	9.403	8.226	7.172	6.236	5.690	5.385
	4.973	4.654	4.455	4.269	4.094	3.928	3.769	3.619	3.478	3.351
	3.236	3.130	3.037	2.958	2.885	2.827	2.795	2.762	2.751	2.790
	2.806	2.856	3.014	3.091	3.215	3.591	3.732	3.926	4.751	5.077
	6.806	6.943	4.760	3.373	2.546	2.340	1.881	1.414	1.393	1.273
	1.363	1.420	1.601	2.003						
0 34	15.99	13.77	12.13	10.70	9.402	8.224	7.165	6.223	5.638	5.288
	4.887	4.587	4.395	4.213	4.040	3.875	3.716	3.565	3.422	3.288
	3.164	3.048	2.942	2.845	2.756	2.677	2.614	2.555	2.512	2.495
	2.475	2.479	2.531	2.561	2.625	2.797	2.889	3.034	3.458	3.771
	4.620	4.908	6.830	4.719	3.432	3.203	2.439	1.684	1.644	1.386
	1.462	1.449	1.606	2.003						
0 35	15.99	13.77	12.13	10.70	9.400	8.221	7.160	6.211	5.603	5.227
	4.832	4.542	4.355	4.176	4.005	3.840	3.681	3.530	3.385	3.248
	3.118	2.996	2.881	2.774	2.674	2.583	2.502	2.427	2.363	2.314
	2.270	2.241	2.237	2.231	2.249	2.315	2.361	2.447	2.665	2.882
	3.307	3.565	4.775	6.791	4.795	4.597	3.324	2.113	2.052	1.566
	1.623	1.492	1.612	2.003						
0 36	15.99	13.76	12.13	10.70	9.399	8.218	7.155	6.202	5.579	5.188
	4.796	4.512	4.328	4.151	3.981	3.816	3.658	3.506	3.360	3.220
	3.088	2.962	2.842	2.729	2.623	2.523	2.432	2.346	2.270	2.203
	2.142	2.092	2.057	2.027	2.012	2.022	2.032	2.071	2.177	2.304
	2.517	2.701	3.446	4.738	6.850	6.821	4.708	2.790	2.716	1.853
	1.886	1.560	1.619	2.003						
0 37	16.00	13.76	12.13	10.70	9.397	8.216	7.150	6.194	5.561	5.163
	4.772	4.491	4.309	4.133	3.963	3.799	3.641	3.488	3.342	3.201
	3.067	2.939	2.816	2.700	2.589	2.485	2.387	2.296	2.211	2.134
	2.063	2.000	1.947	1.901	1.865	1.845	1.830	1.835	1.877	1.941
	2.044	2.156	2.604	3.415	4.688	4.824	6.830	3.850	3.786	2.308
	2.315	1.666	1.629	2.002						
0 38	15.99	13.76	12.13	10.70	9.395	8.212	7.144	6.183	5.542	5.136
	4.746	4.468	4.287	4.113	3.943	3.780	3.622	3.469	3.322	3.181
	3.045	2.914	2.790	2.670	2.556	2.447	2.344	2.247	2.155	2.069
	1.989	1.914	1.847	1.785	1.731	1.684	1.645	1.617	1.605	1.607
	1.624	1.652	1.823	2.170	2.695	2.859	3.814	6.266	6.304	3.378
	3.356	1.915	1.649	2.003						
0 39	16.00	13.76	12.13	10.70	9.392	8.207	7.135	6.171	5.524	5.114
	4.724	4.447	4.268	4.094	3.925	3.762	3.604	3.451	3.304	3.162
	3.026	2.895	2.768	2.648	2.532	2.421	2.316	2.215	2.120	2.030
	1.944	1.864	1.790	1.720	1.656	1.598	1.545	1.499	1.462	1.432
	1.410	1.386	1.414	1.518	1.689	1.778	2.160	3.133	3.296	6.668
	6.740	2.690	1.692	2.002						
0 40	15.99	13.76	12.13	10.69	9.388	8.200	7.124	6.155	5.503	5.091
	4.701	4.424	4.245	4.071	3.903	3.740	3.582	3.430	3.283	3.141
	3.004	2.872	2.746	2.624	2.508	2.396	2.289	2.187	2.090	1.998
	1.910	1.827	1.749	1.675	1.606	1.542	1.482	1.427	1.377	1.331
	1.291	1.237	1.189	1.168	1.170	1.178	1.249	1.444	1.550	2.337
	2.583	5.343	1.780	2.004						
0 41	15.99	13.76	12.13	10.69	9.382	8.190	7.111	6.137	5.482	5.068
	4.676	4.400	4.221	4.047	3.879	3.716	3.558	3.406	3.259	3.117
	2.980	2.849	2.722	2.600	2.484	2.372	2.265	2.163	2.065	1.972
	1.884	1.800	1.721	1.646	1.576	1.510	1.448	1.391	1.338	1.289
	1.244	1.183	1.118	1.070	1.037	1.018	1.019	1.049	1.111	1.313

	1.480	2.047	1.658	2.004						
0 42	15.99	13.76	12.12	10.69	9.377	8.182	7.099	6.122	5.464	5.049
	4.657	4.380	4.201	4.027	3.859	3.696	3.538	3.386	3.239	3.097
	2.960	2.829	2.702	2.580	2.464	2.352	2.245	2.142	2.044	1.951
	1.863	1.779	1.700	1.625	1.554	1.487	1.425	1.367	1.314	1.264
	1.218	1.156	1.088	1.035	0.9959	0.9711	0.9605	0.9649	1.015	1.124
	1.262	1.486	1.611	2.003						
0 43	15.99	13.76	12.12	10.68	9.372	8.175	7.089	6.109	5.449	5.033
	4.640	4.363	4.184	4.010	3.842	3.679	3.521	3.369	3.222	3.080
	2.943	2.812	2.685	2.563	2.446	2.334	2.227	2.125	2.027	1.934
	1.845	1.761	1.682	1.606	1.536	1.469	1.407	1.348	1.294	1.244
	1.198	1.135	1.066	1.012	0.9720	0.9458	0.9330	0.9331	0.9809	1.075
	1.208	1.385	1.595	2.003						
0 44	15.99	13.76	12.12	10.68	9.368	8.169	7.081	6.098	5.437	5.020
	4.627	4.350	4.170	3.996	3.828	3.665	3.507	3.355	3.208	3.066
	2.929	2.797	2.671	2.549	2.432	2.320	2.213	2.110	2.013	1.919
	1.831	1.747	1.667	1.592	1.521	1.454	1.391	1.333	1.279	1.228
	1.182	1.118	1.049	0.9943	0.9538	0.9271	0.9137	0.9129	0.9601	1.052
	1.185	1.358	1.587	2.003						
0 45	15.99	13.76	12.12	10.68	9.364	8.164	7.074	6.090	5.428	5.010
	4.617	4.339	4.159	3.985	3.816	3.653	3.496	3.343	3.196	3.054
	2.917	2.786	2.659	2.537	2.421	2.309	2.201	2.099	2.001	1.908
	1.819	1.735	1.655	1.580	1.508	1.442	1.379	1.320	1.266	1.216
	1.169	1.105	1.035	0.9803	0.9396	0.9126	0.8989	0.8977	0.9448	1.037
	1.171	1.346	1.581	2.003						
0 46	16.00	13.76	12.12	10.68	9.362	8.160	7.069	6.084	5.421	5.003
	4.609	4.331	4.151	3.977	3.808	3.645	3.487	3.335	3.188	3.046
	2.909	2.777	2.651	2.529	2.412	2.300	2.193	2.090	1.992	1.899
	1.810	1.726	1.646	1.571	1.499	1.432	1.370	1.311	1.257	1.206
	1.159	1.095	1.025	0.9700	0.9290	0.9018	0.8879	0.8865	0.9336	1.026
	1.161	1.338	1.577	2.002						
0 47	15.99	13.76	12.12	10.68	9.359	8.156	7.064	6.078	5.414	4.996
	4.601	4.323	4.143	3.969	3.800	3.637	3.479	3.327	3.179	3.037
	2.901	2.769	2.642	2.520	2.403	2.291	2.184	2.082	1.984	1.890
	1.801	1.717	1.637	1.562	1.490	1.423	1.361	1.302	1.247	1.196
	1.150	1.086	1.015	0.9597	0.9184	0.8910	0.8770	0.8754	0.9226	1.016
	1.152	1.331	1.574	2.003						

1 HEAD IN LAYER 2 AT END OF TIME STEP 4 IN STRESS PERIOD 1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54						

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0 1	16.00	14.56	13.18	11.86	10.62	9.462	8.386	7.396	6.717	6.285
	5.874	5.582	5.392	5.207	5.027	4.852	4.683	4.518	4.358	4.203
	4.053	3.908	3.767	3.632	3.500	3.374	3.252	3.135	3.022	2.914
	2.810	2.711	2.615	2.525	2.438	2.356	2.277	2.203	2.133	2.067
	2.005	1.918	1.816	1.730	1.658	1.601	1.556	1.509	1.496	1.528
	1.601	1.708	1.844	2.000						
0 2	16.00	14.56	13.18	11.86	10.63	9.467	8.393	7.403	6.725	6.293
	5.883	5.590	5.400	5.216	5.036	4.861	4.692	4.527	4.367	4.212
	4.062	3.917	3.777	3.641	3.510	3.383	3.261	3.144	3.031	2.923
	2.819	2.719	2.624	2.533	2.447	2.364	2.286	2.212	2.141	2.075
	2.013	1.925	1.824	1.738	1.665	1.607	1.563	1.515	1.502	1.533
	1.604	1.711	1.845	2.000						
0 3	16.00	14.56	13.18	11.87	10.63	9.475	8.402	7.414	6.736	6.306
	5.895	5.603	5.414	5.229	5.050	4.875	4.706	4.541	4.381	4.226
	4.076	3.931	3.791	3.655	3.524	3.397	3.275	3.158	3.045	2.936
	2.832	2.733	2.637	2.546	2.460	2.377	2.298	2.224	2.154	2.087
	2.025	1.937	1.836	1.749	1.676	1.617	1.572	1.524	1.509	1.539
	1.609	1.714	1.847	2.000						
0 4	16.00	14.57	13.19	11.87	10.64	9.482	8.411	7.424	6.747	6.316
	5.906	5.614	5.425	5.240	5.061	4.887	4.717	4.553	4.393	4.238
	4.088	3.943	3.802	3.667	3.535	3.409	3.287	3.169	3.056	2.948
	2.844	2.744	2.648	2.557	2.470	2.388	2.309	2.235	2.164	2.098
	2.035	1.947	1.845	1.758	1.685	1.626	1.581	1.532	1.516	1.545
	1.614	1.717	1.849	2.000						
0 5	16.00	14.57	13.19	11.88	10.64	9.490	8.421	7.435	6.759	6.329

	5.920	5.628	5.439	5.254	5.075	4.901	4.731	4.567	4.407	4.252
	4.102	3.957	3.817	3.681	3.549	3.423	3.301	3.183	3.070	2.961
	2.857	2.757	2.662	2.571	2.484	2.401	2.322	2.247	2.177	2.110
	2.048	1.959	1.857	1.769	1.696	1.637	1.591	1.541	1.524	1.551
	1.619	1.720	1.850	2.000						
0 6	16.00	14.57	13.19	11.88	10.65	9.500	8.433	7.449	6.774	6.344
	5.935	5.644	5.455	5.271	5.091	4.917	4.748	4.583	4.424	4.269
	4.119	3.974	3.833	3.697	3.566	3.439	3.317	3.200	3.086	2.978
	2.873	2.773	2.678	2.586	2.499	2.416	2.337	2.262	2.192	2.125
	2.062	1.974	1.871	1.783	1.709	1.649	1.602	1.552	1.533	1.559
	1.625	1.725	1.853	2.000						
0 7	16.00	14.57	13.20	11.89	10.66	9.511	8.446	7.465	6.791	6.362
	5.954	5.663	5.473	5.289	5.110	4.936	4.767	4.603	4.443	4.288
	4.138	3.993	3.853	3.717	3.585	3.458	3.336	3.218	3.105	2.996
	2.892	2.792	2.696	2.604	2.517	2.434	2.355	2.280	2.209	2.142
	2.079	1.990	1.887	1.798	1.724	1.663	1.616	1.565	1.545	1.569
	1.632	1.730	1.855	2.000						
0 8	16.00	14.57	13.20	11.90	10.67	9.524	8.463	7.484	6.811	6.383
	5.975	5.684	5.495	5.311	5.132	4.958	4.789	4.625	4.465	4.310
	4.160	4.015	3.874	3.738	3.607	3.480	3.358	3.240	3.126	3.017
	2.913	2.813	2.717	2.625	2.537	2.454	2.375	2.300	2.228	2.161
	2.098	2.009	1.905	1.816	1.741	1.679	1.632	1.579	1.557	1.579
	1.640	1.735	1.858	2.000						
0 9	16.00	14.57	13.20	11.90	10.68	9.538	8.481	7.505	6.834	6.407
	5.999	5.708	5.520	5.336	5.157	4.983	4.814	4.649	4.490	4.335
	4.185	4.040	3.899	3.763	3.631	3.504	3.382	3.264	3.150	3.041
	2.937	2.836	2.740	2.648	2.560	2.477	2.397	2.322	2.251	2.183
	2.119	2.030	1.925	1.835	1.760	1.698	1.649	1.595	1.572	1.591
	1.650	1.742	1.861	2.000						
0 10	16.00	14.58	13.21	11.91	10.69	9.554	8.502	7.530	6.861	6.434
	6.027	5.736	5.547	5.364	5.185	5.011	4.841	4.677	4.517	4.363
	4.212	4.067	3.926	3.790	3.658	3.531	3.409	3.291	3.177	3.068
	2.963	2.862	2.766	2.674	2.586	2.502	2.423	2.347	2.275	2.207
	2.143	2.053	1.948	1.858	1.781	1.719	1.669	1.614	1.588	1.605
	1.660	1.749	1.865	2.000						
0 11	16.00	14.58	13.21	11.92	10.70	9.567	8.520	7.552	6.883	6.457
	6.050	5.759	5.571	5.387	5.208	5.034	4.864	4.700	4.540	4.385
	4.235	4.090	3.949	3.813	3.681	3.554	3.431	3.313	3.199	3.090
	2.985	2.884	2.788	2.696	2.607	2.523	2.443	2.368	2.296	2.227
	2.163	2.073	1.967	1.876	1.799	1.736	1.686	1.629	1.601	1.616
	1.669	1.755	1.868	2.000						
0 12	16.00	14.58	13.21	11.92	10.70	9.576	8.532	7.567	6.899	6.473
	6.066	5.776	5.587	5.403	5.224	5.050	4.880	4.716	4.556	4.401
	4.251	4.106	3.965	3.828	3.697	3.570	3.447	3.329	3.215	3.106
	3.000	2.900	2.803	2.711	2.622	2.538	2.458	2.382	2.310	2.242
	2.177	2.086	1.980	1.889	1.812	1.748	1.697	1.640	1.611	1.624
	1.676	1.760	1.870	2.000						
0 13	16.00	14.58	13.22	11.92	10.71	9.585	8.546	7.583	6.917	6.491
	6.084	5.793	5.604	5.420	5.241	5.067	4.897	4.733	4.573	4.418
	4.268	4.122	3.981	3.845	3.713	3.586	3.463	3.345	3.231	3.122
	3.017	2.916	2.819	2.726	2.638	2.554	2.473	2.397	2.325	2.256
	2.192	2.101	1.994	1.903	1.825	1.761	1.709	1.652	1.621	1.633
	1.682	1.764	1.873	2.000						
0 14	16.00	14.58	13.22	11.93	10.72	9.595	8.560	7.601	6.935	6.510
	6.102	5.812	5.622	5.438	5.259	5.084	4.915	4.750	4.591	4.436
	4.285	4.140	3.999	3.862	3.731	3.603	3.481	3.362	3.248	3.139
	3.033	2.932	2.835	2.743	2.654	2.570	2.489	2.413	2.340	2.272
	2.207	2.116	2.009	1.917	1.839	1.774	1.722	1.664	1.632	1.642
	1.690	1.769	1.875	2.000						
0 15	16.00	14.58	13.22	11.93	10.72	9.604	8.576	7.620	6.955	6.529
	6.122	5.831	5.642	5.457	5.278	5.103	4.934	4.769	4.609	4.454
	4.304	4.158	4.017	3.880	3.748	3.621	3.498	3.380	3.266	3.156
	3.051	2.950	2.853	2.760	2.671	2.587	2.506	2.429	2.357	2.288
	2.223	2.132	2.024	1.932	1.853	1.788	1.736	1.676	1.643	1.652
	1.697	1.774	1.878	2.000						
0 16	16.00	14.58	13.22	11.93	10.73	9.614	8.592	7.641	6.976	6.550
	6.143	5.851	5.662	5.477	5.297	5.123	4.953	4.788	4.628	4.473
	4.323	4.177	4.036	3.899	3.767	3.640	3.517	3.399	3.285	3.175
	3.069	2.968	2.871	2.778	2.689	2.604	2.523	2.446	2.374	2.305
	2.240	2.148	2.040	1.947	1.868	1.803	1.750	1.689	1.655	1.662
	1.705	1.780	1.881	2.000						
0 17	16.00	14.58	13.22	11.94	10.73	9.624	8.610	7.663	6.999	6.572

	6.164	5.872	5.683	5.498	5.318	5.143	4.973	4.809	4.649	4.493
	4.343	4.197	4.056	3.919	3.787	3.659	3.536	3.418	3.304	3.194
	3.088	2.987	2.889	2.796	2.707	2.622	2.541	2.464	2.391	2.322
	2.257	2.165	2.057	1.964	1.884	1.818	1.765	1.703	1.667	1.672
	1.714	1.786	1.884	2.000						
0 18	16.00	14.58	13.23	11.94	10.74	9.633	8.629	7.687	7.023	6.596
	6.187	5.894	5.705	5.520	5.340	5.165	4.995	4.830	4.670	4.514
	4.364	4.218	4.076	3.939	3.807	3.680	3.557	3.438	3.324	3.214
	3.108	3.006	2.909	2.816	2.726	2.641	2.560	2.483	2.410	2.341
	2.275	2.183	2.075	1.981	1.901	1.834	1.780	1.718	1.680	1.684
	1.722	1.792	1.887	2.000						
0 19	16.00	14.59	13.23	11.94	10.74	9.641	8.648	7.713	7.049	6.620
	6.210	5.917	5.727	5.542	5.362	5.187	5.017	4.852	4.692	4.536
	4.386	4.239	4.097	3.960	3.828	3.701	3.577	3.459	3.344	3.234
	3.128	3.026	2.929	2.836	2.746	2.661	2.580	2.502	2.429	2.360
	2.294	2.202	2.093	1.999	1.918	1.851	1.796	1.733	1.694	1.695
	1.732	1.799	1.890	2.000						
0 20	16.00	14.59	13.23	11.94	10.75	9.648	8.667	7.737	7.075	6.645
	6.234	5.941	5.751	5.566	5.386	5.211	5.041	4.875	4.715	4.559
	4.408	4.262	4.120	3.983	3.850	3.722	3.599	3.480	3.366	3.255
	3.149	3.047	2.950	2.856	2.767	2.681	2.600	2.523	2.449	2.380
	2.314	2.221	2.112	2.017	1.936	1.868	1.813	1.749	1.709	1.708
	1.742	1.806	1.894	2.000						
0 21	16.00	14.59	13.23	11.94	10.75	9.652	8.681	7.757	7.102	6.671
	6.258	5.964	5.774	5.589	5.409	5.234	5.064	4.899	4.739	4.583
	4.432	4.285	4.143	4.005	3.873	3.745	3.621	3.502	3.388	3.277
	3.171	3.069	2.971	2.878	2.788	2.703	2.621	2.544	2.470	2.400
	2.334	2.241	2.132	2.036	1.955	1.886	1.831	1.766	1.724	1.721
	1.753	1.813	1.897	2.000						
0 22	16.00	14.59	13.23	11.95	10.75	9.654	8.678	7.759	7.125	6.695
	6.281	5.988	5.798	5.613	5.433	5.258	5.088	4.923	4.763	4.607
	4.456	4.309	4.167	4.029	3.896	3.768	3.644	3.525	3.410	3.300
	3.193	3.091	2.994	2.900	2.810	2.725	2.643	2.565	2.492	2.422
	2.356	2.262	2.152	2.056	1.974	1.905	1.849	1.783	1.740	1.735
	1.764	1.821	1.901	2.000						
0 23	16.00	14.59	13.23	11.95	10.75	9.653	8.669	7.754	7.139	6.716
	6.301	6.009	5.819	5.634	5.455	5.280	5.111	4.946	4.786	4.630
	4.479	4.332	4.190	4.052	3.919	3.791	3.667	3.548	3.433	3.323
	3.216	3.114	3.016	2.923	2.833	2.747	2.666	2.588	2.514	2.444
	2.378	2.284	2.173	2.077	1.994	1.925	1.868	1.801	1.757	1.750
	1.776	1.829	1.906	2.000						
0 24	16.00	14.59	13.23	11.95	10.75	9.651	8.661	7.746	7.137	6.726
	6.312	6.020	5.830	5.646	5.467	5.292	5.123	4.959	4.800	4.644
	4.493	4.347	4.205	4.068	3.936	3.808	3.684	3.565	3.450	3.339
	3.233	3.131	3.034	2.940	2.850	2.765	2.683	2.605	2.531	2.461
	2.395	2.301	2.190	2.093	2.010	1.941	1.883	1.815	1.770	1.762
	1.786	1.836	1.909	2.000						
0 25	16.00	14.59	13.23	11.95	10.75	9.650	8.656	7.741	7.132	6.729
	6.316	6.024	5.835	5.650	5.471	5.297	5.128	4.964	4.805	4.651
	4.500	4.355	4.214	4.077	3.945	3.818	3.694	3.575	3.461	3.350
	3.244	3.143	3.045	2.951	2.862	2.776	2.695	2.617	2.543	2.473
	2.406	2.312	2.201	2.104	2.021	1.951	1.893	1.825	1.779	1.770
	1.793	1.841	1.911	2.000						
0 26	16.00	14.59	13.23	11.95	10.75	9.648	8.650	7.734	7.124	6.726
	6.316	6.023	5.833	5.649	5.470	5.296	5.128	4.964	4.806	4.652
	4.504	4.360	4.220	4.084	3.953	3.826	3.703	3.585	3.471	3.360
	3.255	3.153	3.056	2.962	2.873	2.788	2.706	2.629	2.555	2.484
	2.418	2.324	2.212	2.115	2.032	1.962	1.904	1.835	1.788	1.778
	1.799	1.845	1.913	2.000						
0 27	16.00	14.59	13.23	11.95	10.75	9.646	8.645	7.728	7.114	6.717
	6.311	6.018	5.828	5.644	5.466	5.292	5.124	4.961	4.803	4.650
	4.503	4.359	4.221	4.087	3.957	3.832	3.709	3.592	3.479	3.369
	3.264	3.163	3.066	2.973	2.884	2.799	2.717	2.640	2.566	2.496
	2.429	2.335	2.224	2.126	2.043	1.972	1.914	1.845	1.798	1.787
	1.807	1.850	1.916	2.000						
0 28	16.00	14.59	13.23	11.95	10.75	9.644	8.639	7.720	7.104	6.705
	6.302	6.010	5.821	5.638	5.459	5.286	5.118	4.955	4.798	4.645
	4.498	4.356	4.218	4.085	3.957	3.832	3.712	3.596	3.484	3.376
	3.272	3.171	3.075	2.982	2.894	2.809	2.728	2.651	2.577	2.507
	2.441	2.347	2.235	2.138	2.054	1.983	1.925	1.855	1.808	1.795
	1.814	1.855	1.918	2.000						
0 29	16.00	14.59	13.23	11.95	10.75	9.642	8.634	7.713	7.093	6.693

	6.292	6.001	5.813	5.630	5.452	5.279	5.111	4.948	4.791	4.639
	4.492	4.350	4.213	4.081	3.953	3.829	3.710	3.596	3.485	3.379
	3.276	3.177	3.081	2.990	2.902	2.818	2.738	2.661	2.588	2.518
	2.452	2.358	2.247	2.149	2.065	1.995	1.936	1.866	1.818	1.804
	1.822	1.860	1.920	2.000						
0 30	16.00	14.59	13.23	11.95	10.75	9.639	8.629	7.706	7.082	6.680
	6.281	5.992	5.804	5.621	5.443	5.271	5.103	4.941	4.784	4.632
	4.485	4.343	4.206	4.074	3.947	3.824	3.706	3.591	3.482	3.376
	3.275	3.177	3.084	2.994	2.908	2.825	2.745	2.670	2.597	2.527
	2.462	2.369	2.258	2.160	2.076	2.006	1.947	1.876	1.828	1.813
	1.830	1.866	1.923	2.000						
0 31	16.00	14.59	13.23	11.95	10.75	9.637	8.624	7.698	7.071	6.667
	6.269	5.981	5.794	5.612	5.434	5.262	5.095	4.933	4.776	4.624
	4.478	4.336	4.199	4.067	3.940	3.817	3.699	3.585	3.476	3.372
	3.271	3.174	3.082	2.993	2.908	2.828	2.750	2.675	2.604	2.535
	2.470	2.379	2.268	2.171	2.087	2.017	1.958	1.887	1.838	1.823
	1.838	1.871	1.925	2.000						
0 32	16.00	14.59	13.23	11.94	10.74	9.634	8.619	7.691	7.060	6.655
	6.258	5.971	5.784	5.602	5.425	5.253	5.086	4.925	4.768	4.616
	4.470	4.328	4.191	4.059	3.932	3.810	3.692	3.578	3.469	3.365
	3.265	3.169	3.077	2.989	2.905	2.826	2.749	2.676	2.607	2.541
	2.477	2.387	2.278	2.181	2.098	2.028	1.969	1.897	1.849	1.832
	1.846	1.877	1.928	2.000						
0 33	16.00	14.59	13.23	11.94	10.74	9.632	8.614	7.684	7.050	6.643
	6.247	5.961	5.774	5.593	5.416	5.245	5.078	4.916	4.760	4.608
	4.462	4.320	4.183	4.051	3.924	3.802	3.684	3.571	3.462	3.358
	3.258	3.162	3.071	2.983	2.900	2.821	2.745	2.673	2.605	2.541
	2.479	2.391	2.285	2.190	2.108	2.039	1.980	1.908	1.860	1.842
	1.855	1.883	1.930	2.000						
0 34	16.00	14.59	13.23	11.94	10.74	9.629	8.609	7.676	7.040	6.632
	6.236	5.951	5.765	5.584	5.407	5.236	5.069	4.908	4.752	4.600
	4.454	4.312	4.175	4.043	3.916	3.794	3.676	3.563	3.454	3.350
	3.250	3.155	3.063	2.976	2.893	2.815	2.739	2.668	2.601	2.537
	2.477	2.391	2.289	2.197	2.116	2.048	1.990	1.918	1.871	1.852
	1.864	1.889	1.932	2.000						
0 35	16.00	14.59	13.23	11.94	10.74	9.626	8.604	7.669	7.031	6.621
	6.226	5.941	5.755	5.575	5.398	5.227	5.061	4.900	4.743	4.592
	4.446	4.304	4.167	4.036	3.908	3.786	3.668	3.555	3.446	3.342
	3.242	3.147	3.056	2.969	2.886	2.807	2.732	2.662	2.595	2.532
	2.472	2.387	2.288	2.201	2.123	2.056	1.999	1.928	1.881	1.862
	1.873	1.895	1.935	2.000						
0 36	16.00	14.59	13.23	11.94	10.74	9.624	8.599	7.662	7.022	6.611
	6.216	5.931	5.746	5.566	5.390	5.219	5.053	4.892	4.735	4.584
	4.438	4.296	4.160	4.028	3.900	3.778	3.660	3.547	3.438	3.334
	3.234	3.139	3.048	2.961	2.878	2.799	2.725	2.654	2.588	2.525
	2.466	2.382	2.284	2.199	2.126	2.061	2.006	1.937	1.891	1.871
	1.883	1.902	1.937	2.000						
0 37	16.00	14.59	13.23	11.94	10.74	9.621	8.595	7.656	7.013	6.602
	6.206	5.922	5.737	5.557	5.381	5.211	5.045	4.884	4.728	4.576
	4.430	4.289	4.152	4.020	3.893	3.770	3.652	3.539	3.430	3.326
	3.226	3.131	3.040	2.953	2.870	2.792	2.717	2.646	2.580	2.517
	2.458	2.375	2.278	2.195	2.123	2.061	2.010	1.944	1.900	1.880
	1.892	1.908	1.939	2.000						
0 38	16.00	14.59	13.23	11.94	10.73	9.617	8.588	7.646	7.001	6.588
	6.193	5.909	5.724	5.544	5.369	5.198	5.033	4.872	4.716	4.565
	4.419	4.277	4.140	4.008	3.881	3.759	3.641	3.527	3.418	3.314
	3.214	3.119	3.028	2.941	2.858	2.779	2.705	2.634	2.568	2.505
	2.446	2.363	2.267	2.185	2.115	2.055	2.007	1.952	1.909	1.893
	1.905	1.918	1.942	2.000						
0 39	16.00	14.59	13.23	11.94	10.73	9.611	8.579	7.634	6.986	6.572
	6.176	5.892	5.708	5.528	5.353	5.183	5.017	4.857	4.701	4.550
	4.404	4.262	4.126	3.994	3.866	3.744	3.626	3.512	3.404	3.299
	3.199	3.104	3.012	2.925	2.843	2.764	2.689	2.619	2.552	2.489
	2.430	2.347	2.251	2.169	2.099	2.040	1.994	1.942	1.903	1.902
	1.916	1.930	1.945	2.000						
0 40	16.00	14.59	13.22	11.94	10.73	9.603	8.567	7.617	6.965	6.550
	6.153	5.870	5.685	5.506	5.331	5.161	4.996	4.835	4.680	4.529
	4.383	4.241	4.105	3.973	3.846	3.723	3.605	3.491	3.382	3.278
	3.178	3.082	2.990	2.903	2.820	2.741	2.667	2.596	2.529	2.466
	2.407	2.323	2.227	2.144	2.074	2.016	1.970	1.917	1.882	1.885
	1.905	1.943	1.948	2.000						
0 41	16.00	14.58	13.22	11.93	10.72	9.593	8.552	7.597	6.942	6.525

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        6.127      5.844      5.659      5.480      5.305      5.135      4.970      4.810      4.654      4.504
        4.358      4.216      4.080      3.948      3.821      3.698      3.580      3.466      3.357      3.252
        3.152      3.056      2.965      2.877      2.794      2.715      2.640      2.568      2.501      2.438
        2.378      2.295      2.197      2.113      2.043      1.984      1.937      1.884      1.849      1.851
        1.874      1.915      1.943      2.000
0 42    16.00      14.58      13.22      11.93      10.71      9.584      8.539      7.580      6.922      6.504
        6.106      5.822      5.637      5.458      5.283      5.113      4.948      4.788      4.632      4.482
        4.336      4.195      4.058      3.926      3.799      3.676      3.558      3.444      3.335      3.230
        3.130      3.034      2.942      2.854      2.771      2.691      2.616      2.545      2.477      2.413
        2.354      2.269      2.171      2.087      2.015      1.956      1.909      1.854      1.820      1.820
        1.845      1.889      1.934      2.000
0 43    16.00      14.58      13.22      11.92      10.71      9.576      8.528      7.566      6.906      6.487
        6.088      5.803      5.619      5.439      5.264      5.094      4.929      4.769      4.614      4.463
        4.317      4.176      4.039      3.907      3.780      3.657      3.539      3.425      3.316      3.211
        3.111      3.014      2.922      2.835      2.751      2.671      2.596      2.524      2.456      2.392
        2.332      2.247      2.149      2.064      1.992      1.932      1.884      1.829      1.794      1.795
        1.821      1.868      1.926      2.000
0 44    16.00      14.58      13.22      11.92      10.70      9.569      8.519      7.554      6.893      6.473
        6.073      5.789      5.604      5.424      5.249      5.079      4.914      4.753      4.598      4.447
        4.301      4.160      4.024      3.892      3.764      3.642      3.523      3.410      3.300      3.195
        3.095      2.998      2.906      2.818      2.734      2.655      2.579      2.507      2.439      2.375
        2.314      2.229      2.130      2.045      1.972      1.912      1.864      1.808      1.774      1.774
        1.802      1.853      1.919      2.000
0 45    16.00      14.58      13.22      11.92      10.70      9.564      8.512      7.545      6.883      6.462
        6.062      5.777      5.592      5.412      5.237      5.067      4.901      4.741      4.586      4.435
        4.289      4.148      4.011      3.879      3.752      3.629      3.511      3.397      3.288      3.183
        3.082      2.985      2.893      2.805      2.721      2.641      2.565      2.493      2.425      2.361
        2.300      2.215      2.115      2.030      1.957      1.896      1.848      1.791      1.757      1.758
        1.788      1.841      1.913      2.000
0 46    16.00      14.58      13.21      11.92      10.70      9.560      8.506      7.538      6.875      6.454
        6.053      5.768      5.583      5.403      5.228      5.058      4.892      4.732      4.576      4.425
        4.279      4.138      4.002      3.870      3.742      3.619      3.501      3.387      3.278      3.173
        3.072      2.976      2.883      2.795      2.711      2.631      2.555      2.483      2.415      2.350
        2.290      2.204      2.104      2.018      1.945      1.884      1.836      1.779      1.745      1.746
        1.777      1.833      1.909      2.000
0 47    16.00      14.58      13.21      11.92      10.69      9.556      8.501      7.531      6.868      6.446
        6.045      5.760      5.574      5.394      5.219      5.049      4.883      4.723      4.567      4.416
        4.270      4.129      3.992      3.860      3.733      3.610      3.492      3.378      3.268      3.163
        3.062      2.966      2.874      2.785      2.701      2.621      2.545      2.473      2.405      2.340
        2.279      2.193      2.093      2.007      1.934      1.873      1.824      1.767      1.733      1.734
        1.767      1.825      1.905      2.000
OHEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  4, STRESS PERIOD  1
0


          TIME SUMMARY AT END OF TIME STEP  4 IN STRESS PERIOD  1
                                 SECONDS        MINUTES         HOURS          DAYS           YEARS
                              ---------------------------------------------------------------------
      TIME STEP LENGTH         0.259200E+07    43200.0        720.000        30.0000       0.821355E-01
    STRESS PERIOD TIME         0.103680E+08    172800.        2880.00        120.000       0.328542
 TOTAL SIMULATION TIME         0.103680E+08    172800.        2880.00        120.000       0.328542
1
    16 ITERATIONS FOR TIME STEP   5 IN STRESS PERIOD  1
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   0.9100      (  1, 47,  8)  0.2744      (  1, 28, 13)  0.3348      (  2, 47,  9)  0.6407      (  2,  3, 23)  0.7104      (  2, 33, 20)
  -0.2238E-01 (  1, 25, 10)  0.2192E-01 (  2,  2, 48)  0.4501E-01 (  2,  4, 47)  0.4390E-01 (  2, 12, 47)  0.2865E-01 (  2, 22, 35)
   0.4179E-02 (  1, 44, 14)  0.2790E-02 (  2, 20, 10)  0.5818E-02 (  2, 21, 11)  0.9004E-02 (  2, 14, 15)  0.6925E-02 (  2, 30, 26)
  -0.9691E-03 (  2, 10, 11)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                    HEAD IN LAYER  1 AT END OF TIME STEP  5 IN STRESS PERIOD  1
          ---------------------------------------------------------------------

           1          2          3          4          5          6          7          8          9         10
          11         12         13         14         15         16         17         18         19         20
          21         22         23         24         25         26         27         28         29         30
          31         32         33         34         35         36         37         38         39         40
          41         42         43         44         45         46         47         48         49         50
          51         52         53         54
```

0 1	16.00	14.41	13.03	11.76	10.57	9.465	8.439	7.492	6.842	6.428
	6.033	5.751	5.568	5.390	5.216	5.048	4.883	4.724	4.569	4.418
	4.272	4.130	3.993	3.860	3.732	3.607	3.487	3.372	3.260	3.152
	3.049	2.949	2.854	2.762	2.675	2.591	2.511	2.435	2.363	2.294
	2.229	2.136	2.027	1.932	1.850	1.781	1.725	1.658	1.616	1.617
	1.656	1.731	1.846	2.004						
0 2	15.99	14.41	13.03	11.76	10.58	9.470	8.445	7.499	6.850	6.436
	6.041	5.760	5.577	5.399	5.225	5.056	4.892	4.733	4.578	4.427
	4.281	4.139	4.002	3.869	3.741	3.616	3.496	3.381	3.269	3.161
	3.058	2.958	2.863	2.771	2.683	2.599	2.519	2.443	2.371	2.302
	2.236	2.144	2.035	1.939	1.857	1.788	1.731	1.664	1.621	1.621
	1.659	1.733	1.847	2.008						
0 3	16.00	14.41	13.03	11.77	10.58	9.478	8.455	7.510	6.862	6.448
	6.054	5.773	5.590	5.412	5.239	5.070	4.906	4.746	4.591	4.441
	4.295	4.153	4.016	3.883	3.754	3.630	3.510	3.394	3.282	3.175
	3.071	2.971	2.876	2.784	2.696	2.612	2.532	2.455	2.383	2.314
	2.248	2.156	2.046	1.950	1.867	1.798	1.741	1.673	1.629	1.627
	1.664	1.736	1.848	2.004						
0 4	16.00	14.41	13.03	11.77	10.59	9.485	8.463	7.520	6.872	6.459
	6.065	5.784	5.601	5.423	5.250	5.081	4.917	4.758	4.603	4.452
	4.306	4.165	4.028	3.895	3.766	3.642	3.521	3.405	3.294	3.186
	3.082	2.982	2.886	2.795	2.707	2.623	2.542	2.466	2.393	2.324
	2.258	2.165	2.055	1.959	1.876	1.806	1.749	1.680	1.635	1.633
	1.668	1.739	1.850	2.004						
0 5	16.00	14.41	13.04	11.77	10.59	9.493	8.473	7.531	6.885	6.472
	6.078	5.798	5.615	5.437	5.264	5.095	4.931	4.772	4.617	4.466
	4.320	4.179	4.041	3.909	3.780	3.655	3.535	3.419	3.307	3.199
	3.095	2.996	2.900	2.808	2.720	2.635	2.555	2.478	2.405	2.336
	2.270	2.177	2.067	1.970	1.887	1.816	1.758	1.689	1.643	1.639
	1.673	1.743	1.852	2.004						
0 6	16.00	14.41	13.04	11.78	10.60	9.503	8.484	7.545	6.899	6.487
	6.094	5.814	5.631	5.454	5.280	5.112	4.948	4.788	4.633	4.483
	4.337	4.195	4.058	3.925	3.796	3.672	3.551	3.435	3.323	3.215
	3.111	3.011	2.915	2.823	2.735	2.650	2.570	2.493	2.420	2.350
	2.284	2.191	2.080	1.983	1.899	1.828	1.770	1.700	1.653	1.647
	1.679	1.747	1.854	2.004						
0 7	16.00	14.41	13.04	11.78	10.61	9.514	8.498	7.561	6.917	6.505
	6.113	5.833	5.650	5.473	5.300	5.131	4.967	4.808	4.653	4.502
	4.356	4.214	4.077	3.944	3.815	3.690	3.570	3.454	3.341	3.233
	3.129	3.029	2.933	2.841	2.752	2.668	2.587	2.510	2.436	2.367
	2.301	2.207	2.096	1.998	1.914	1.842	1.783	1.713	1.664	1.656
	1.687	1.752	1.856	2.004						
0 8	16.00	14.42	13.05	11.79	10.62	9.526	8.514	7.579	6.936	6.526
	6.134	5.854	5.672	5.495	5.322	5.153	4.989	4.830	4.675	4.524
	4.378	4.236	4.098	3.965	3.836	3.712	3.591	3.475	3.362	3.254
	3.150	3.050	2.953	2.861	2.772	2.687	2.606	2.529	2.456	2.386
	2.319	2.225	2.113	2.015	1.931	1.858	1.799	1.727	1.676	1.667
	1.695	1.757	1.859	2.004						
0 9	16.00	14.42	13.05	11.80	10.63	9.540	8.531	7.600	6.959	6.550
	6.158	5.879	5.697	5.519	5.347	5.178	5.014	4.854	4.699	4.549
	4.402	4.260	4.123	3.989	3.860	3.735	3.615	3.498	3.386	3.277
	3.173	3.072	2.976	2.883	2.795	2.710	2.628	2.551	2.477	2.407
	2.340	2.246	2.134	2.035	1.949	1.877	1.816	1.743	1.690	1.678
	1.704	1.764	1.862	2.005						
0 10	15.99	14.42	13.06	11.81	10.64	9.555	8.552	7.625	6.985	6.576
	6.186	5.907	5.725	5.547	5.374	5.206	5.042	4.882	4.727	4.576
	4.430	4.288	4.150	4.016	3.887	3.762	3.641	3.524	3.412	3.303
	3.199	3.098	3.001	2.908	2.819	2.734	2.653	2.575	2.501	2.430
	2.364	2.269	2.156	2.057	1.970	1.897	1.836	1.761	1.706	1.692
	1.714	1.771	1.866	2.008						
0 11	16.00	14.42	13.06	11.81	10.65	9.568	8.569	7.646	7.007	6.599
	6.209	5.930	5.748	5.571	5.398	5.229	5.065	4.906	4.750	4.600
	4.453	4.311	4.172	4.039	3.909	3.784	3.663	3.546	3.434	3.325
	3.220	3.119	3.022	2.929	2.840	2.755	2.673	2.595	2.521	2.450
	2.383	2.288	2.175	2.075	1.988	1.914	1.852	1.776	1.720	1.703
	1.723	1.777	1.869	2.005						
0 12	16.00	14.42	13.06	11.81	10.65	9.577	8.582	7.661	7.023	6.615
	6.225	5.946	5.764	5.587	5.414	5.245	5.081	4.922	4.767	4.616
	4.470	4.327	4.189	4.054	3.925	3.799	3.679	3.562	3.449	3.340
	3.235	3.134	3.037	2.944	2.855	2.769	2.687	2.609	2.535	2.464
	2.397	2.301	2.188	2.087	2.000	1.926	1.863	1.787	1.729	1.711

	1.730	1.781	1.871	2.004						
0 13	16.00	14.42	13.06	11.82	10.66	9.586	8.597	7.678	7.041	6.632
	6.242	5.963	5.781	5.603	5.429	5.261	5.098	4.940	4.786	4.636
	4.489	4.346	4.206	4.071	3.940	3.815	3.695	3.578	3.465	3.356
	3.251	3.150	3.052	2.959	2.870	2.784	2.702	2.624	2.549	2.478
	2.411	2.315	2.201	2.101	2.013	1.938	1.875	1.798	1.739	1.720
	1.736	1.786	1.874	2.004						
0 14	16.00	14.42	13.07	11.82	10.67	9.596	8.615	7.700	7.060	6.651
	6.260	5.981	5.798	5.619	5.443	5.274	5.113	4.959	4.811	4.660
	4.512	4.369	4.225	4.087	3.955	3.832	3.713	3.597	3.484	3.373
	3.267	3.166	3.069	2.975	2.885	2.800	2.718	2.639	2.565	2.493
	2.426	2.330	2.216	2.115	2.027	1.951	1.888	1.810	1.749	1.729
	1.743	1.791	1.876	2.005						
0 15	16.00	14.43	13.07	11.83	10.67	9.607	8.641	7.729	7.084	6.673
	6.280	6.000	5.817	5.635	5.450	5.277	5.121	4.973	4.844	4.696
	4.544	4.405	4.246	4.099	3.963	3.847	3.734	3.623	3.506	3.393
	3.285	3.183	3.085	2.992	2.902	2.816	2.734	2.655	2.581	2.509
	2.442	2.345	2.231	2.129	2.041	1.965	1.901	1.822	1.760	1.738
	1.751	1.796	1.879	2.005						
0 16	16.00	14.43	13.07	11.83	10.68	9.621	8.685	7.778	7.118	6.698
	6.303	6.021	5.837	5.655	5.465	5.288	5.134	4.986	4.851	4.712
	4.580	4.471	4.286	4.100	3.947	3.858	3.757	3.658	3.538	3.414
	3.304	3.201	3.103	3.009	2.919	2.833	2.751	2.672	2.597	2.526
	2.458	2.361	2.247	2.145	2.056	1.979	1.915	1.835	1.772	1.748
	1.758	1.801	1.882	2.005						
0 17	16.00	14.43	13.07	11.83	10.68	9.639	8.777	7.875	7.173	6.734
	6.329	6.046	5.862	5.680	5.489	5.296	5.148	5.007	4.868	4.731
	4.604	4.497	4.312	4.115	3.959	3.874	3.776	3.680	3.561	3.435
	3.324	3.220	3.122	3.028	2.937	2.851	2.769	2.690	2.615	2.543
	2.475	2.378	2.263	2.161	2.071	1.994	1.929	1.849	1.784	1.758
	1.767	1.807	1.885	2.005						
0 18	16.00	14.43	13.07	11.83	10.69	9.667	8.986	8.093	7.278	6.789
	6.365	6.079	5.895	5.721	5.568	5.353	5.142	5.026	4.890	4.754
	4.629	4.515	4.328	4.130	3.985	3.898	3.799	3.704	3.584	3.457
	3.345	3.240	3.141	3.047	2.957	2.870	2.787	2.708	2.633	2.561
	2.493	2.396	2.280	2.178	2.088	2.010	1.945	1.863	1.797	1.769
	1.776	1.813	1.888	2.005						
0 19	16.00	14.43	13.07	11.84	10.70	9.711	9.489	8.613	7.503	6.890
	6.421	6.127	5.942	5.765	5.595	5.422	5.232	5.080	4.934	4.797
	4.688	4.472	4.308	4.117	4.031	3.933	3.829	3.731	3.609	3.481
	3.368	3.263	3.163	3.068	2.978	2.891	2.808	2.728	2.653	2.581
	2.512	2.415	2.298	2.195	2.105	2.027	1.960	1.878	1.811	1.781
	1.785	1.820	1.891	2.005						
0 20	16.00	14.43	13.07	11.84	10.70	9.776	10.71	9.876	8.007	7.087
	6.521	6.215	6.027	5.848	5.675	5.504	5.333	5.173	5.021	4.879
	4.767	4.496	4.331	4.158	4.079	3.976	3.868	3.766	3.641	3.511
	3.397	3.291	3.190	3.094	3.002	2.914	2.830	2.750	2.674	2.602
	2.533	2.435	2.317	2.214	2.123	2.044	1.977	1.894	1.825	1.793
	1.795	1.826	1.894	2.005						
0 21	16.00	14.43	13.08	11.84	10.71	9.843	13.64	12.89	9.143	7.484
	6.719	6.400	6.212	6.033	5.859	5.689	5.521	5.358	5.197	5.040
	4.907	4.565	4.392	4.248	4.156	4.040	3.922	3.813	3.689	3.558
	3.440	3.331	3.227	3.129	3.034	2.945	2.859	2.778	2.700	2.626
	2.556	2.457	2.339	2.234	2.142	2.062	1.995	1.910	1.840	1.806
	1.805	1.834	1.898	2.005						
0 22	16.00	14.43	13.08	11.84	10.71	9.782	10.73	10.11	11.64	8.271
	7.127	6.823	6.644	6.469	6.296	6.126	5.958	5.790	5.613	5.417
	5.202	5.046	4.829	4.529	4.349	4.194	4.045	3.909	3.779	3.646
	3.521	3.404	3.292	3.186	3.087	2.992	2.902	2.817	2.736	2.660
	2.587	2.485	2.363	2.256	2.163	2.082	2.014	1.928	1.856	1.820
	1.817	1.842	1.902	2.005						
0 23	15.99	14.43	13.08	11.84	10.70	9.723	9.513	8.988	13.67	9.734
	7.986	7.836	7.692	7.524	7.352	7.182	7.014	6.842	6.646	6.372
	5.940	5.652	5.380	5.049	4.804	4.591	4.373	4.187	4.018	3.850
	3.698	3.559	3.426	3.304	3.190	3.082	2.982	2.887	2.798	2.714
	2.635	2.526	2.397	2.285	2.188	2.105	2.035	1.947	1.873	1.835
	1.829	1.850	1.906	2.008						
0 24	16.00	14.43	13.08	11.84	10.70	9.695	9.129	8.572	12.81	12.19
	9.346	9.709	9.602	9.433	9.261	9.093	8.930	8.764	8.569	8.224
	7.234	6.851	6.507	5.918	5.586	5.303	4.939	4.682	4.459	4.211
	4.012	3.836	3.658	3.504	3.366	3.231	3.111	3.000	2.893	2.794
	2.704	2.581	2.439	2.317	2.214	2.129	2.055	1.964	1.888	1.848

	1.839	1.857	1.909	2.005						
0 25	16.00	14.43	13.08	11.84	10.70	9.680	8.967	8.359	11.04	14.94
	10.63	11.73	11.59	11.41	11.24	11.07	10.92	10.76	10.59	10.28
	8.475	8.123	7.763	6.791	6.412	6.083	5.525	5.210	4.942	4.593
	4.348	4.137	3.904	3.718	3.555	3.389	3.247	3.118	2.991	2.876
	2.773	2.637	2.479	2.346	2.237	2.148	2.072	1.976	1.900	1.857
	1.846	1.861	1.912	2.005						
0 26	16.00	14.43	13.08	11.84	10.70	9.669	8.863	8.199	9.889	14.82
	12.37	10.00	9.622	9.401	9.218	9.049	8.888	8.737	8.608	8.624
	10.12	10.12	9.842	8.048	7.708	7.362	6.408	6.045	5.729	5.184
	4.881	4.625	4.289	4.057	3.858	3.636	3.461	3.306	3.145	3.004
	2.878	2.721	2.539	2.387	2.267	2.174	2.093	1.991	1.913	1.867
	1.855	1.867	1.914	2.005						
0 27	16.00	14.43	13.08	11.84	10.70	9.660	8.796	8.081	9.028	11.74
	10.21	8.733	8.330	8.093	7.903	7.732	7.570	7.423	7.314	7.362
	8.026	8.104	8.177	9.706	9.723	9.462	7.676	7.349	7.016	6.072
	5.720	5.417	4.883	4.592	4.348	4.023	3.801	3.609	3.387	3.203
	3.041	2.853	2.629	2.448	2.311	2.211	2.121	2.010	1.929	1.879
	1.864	1.872	1.916	2.005						
0 28	16.00	14.43	13.08	11.84	10.70	9.654	8.752	7.993	8.414	9.816
	8.810	7.842	7.484	7.249	7.058	6.885	6.724	6.578	6.470	6.476
	6.749	6.805	6.912	7.609	7.704	7.793	9.346	9.378	9.128	7.346
	7.031	6.709	5.774	5.434	5.142	4.618	4.337	4.097	3.766	3.518
	3.294	3.061	2.769	2.541	2.376	2.265	2.162	2.035	1.951	1.893
	1.876	1.878	1.919	2.005						
0 29	16.00	14.43	13.08	11.84	10.70	9.648	8.723	7.928	7.989	8.626
	7.911	7.238	6.932	6.707	6.518	6.346	6.185	6.039	5.923	5.881
	5.961	5.971	6.028	6.329	6.403	6.526	7.240	7.350	7.452	9.026
	9.070	8.832	7.054	6.750	6.439	5.512	5.180	4.891	4.352	4.018
	3.685	3.392	2.990	2.684	2.474	2.347	2.222	2.070	1.980	1.911
	1.891	1.886	1.921	2.005						
0 30	16.00	14.43	13.08	11.84	10.70	9.644	8.703	7.881	7.701	7.897
	7.341	6.837	6.573	6.361	6.175	6.004	5.843	5.695	5.571	5.492
	5.473	5.438	5.438	5.542	5.569	5.641	5.957	6.045	6.181	6.912
	7.034	7.149	8.742	8.798	8.570	6.796	6.501	6.191	5.241	4.814
	4.282	3.920	3.337	2.907	2.626	2.476	2.313	2.120	2.023	1.935
	1.911	1.895	1.924	2.005						
0 31	16.00	14.43	13.08	11.84	10.69	9.640	8.688	7.846	7.508	7.452
	6.980	6.574	6.341	6.139	5.957	5.787	5.626	5.476	5.344	5.240
	5.168	5.098	5.053	5.056	5.037	5.051	5.170	5.209	5.295	5.625
	5.725	5.874	6.619	6.754	6.881	8.491	8.557	8.332	6.530	6.094
	5.174	4.766	3.884	3.257	2.861	2.682	2.456	2.194	2.089	1.970
	1.939	1.906	1.927	2.005						
0 32	16.00	14.43	13.08	11.84	10.69	9.637	8.677	7.820	7.381	7.180
	6.752	6.403	6.190	5.997	5.818	5.649	5.488	5.336	5.198	5.077
	4.976	4.883	4.805	4.753	4.699	4.667	4.683	4.677	4.704	4.836
	4.888	4.986	5.329	5.441	5.602	6.362	6.507	6.643	8.252	8.189
	6.452	6.114	4.742	3.806	3.228	3.013	2.681	2.309	2.190	2.021
	1.982	1.921	1.931	2.005						
0 33	16.00	14.43	13.08	11.84	10.69	9.633	8.669	7.800	7.295	7.012
	6.608	6.291	6.091	5.904	5.728	5.560	5.399	5.246	5.103	4.973
	4.855	4.745	4.647	4.563	4.484	4.421	4.381	4.340	4.321	4.349
	4.356	4.395	4.539	4.603	4.713	5.068	5.193	5.370	6.163	6.467
	8.142	8.251	6.072	4.664	3.800	3.546	3.037	2.487	2.351	2.099
	2.049	1.943	1.935	2.005						
0 34	16.00	14.43	13.08	11.84	10.69	9.630	8.662	7.784	7.238	6.908
	6.516	6.217	6.026	5.844	5.669	5.502	5.342	5.188	5.041	4.905
	4.777	4.657	4.545	4.443	4.348	4.263	4.193	4.126	4.075	4.048
	4.019	4.012	4.053	4.071	4.122	4.278	4.356	4.486	4.888	5.182
	5.999	6.257	8.103	5.993	4.681	4.406	3.599	2.765	2.609	2.218
	2.153	1.974	1.940	2.005						
0 35	16.00	14.43	13.08	11.84	10.69	9.627	8.656	7.772	7.199	6.842
	6.456	6.168	5.982	5.803	5.630	5.464	5.303	5.148	5.000	4.860
	4.726	4.599	4.479	4.367	4.261	4.163	4.074	3.991	3.919	3.860
	3.806	3.767	3.752	3.735	3.740	3.793	3.825	3.898	4.099	4.299
	4.703	4.934	6.088	8.026	6.027	5.785	4.481	3.200	3.024	2.405
	2.320	2.021	1.947	2.005						
0 36	16.00	14.43	13.08	11.84	10.69	9.625	8.650	7.761	7.172	6.799
	6.416	6.135	5.952	5.774	5.603	5.437	5.276	5.121	4.972	4.829
	4.692	4.561	4.436	4.317	4.204	4.098	3.998	3.905	3.819	3.743
	3.672	3.612	3.565	3.523	3.496	3.494	3.491	3.516	3.607	3.720
	3.916	4.075	4.777	6.011	8.043	7.972	5.848	3.878	3.691	2.698

	2.589	2.093	1.955	2.004						
0 37	16.00	14.43	13.08	11.84	10.69	9.622	8.645	7.752	7.153	6.770
	6.389	6.111	5.930	5.754	5.583	5.418	5.257	5.102	4.952	4.807
	4.668	4.535	4.407	4.284	4.167	4.055	3.949	3.849	3.755	3.668
	3.587	3.513	3.449	3.391	3.343	3.309	3.281	3.273	3.302	3.351
	3.439	3.527	3.940	4.704	5.919	6.011	7.934	4.930	4.756	3.159
	3.024	2.204	1.966	2.003						
0 38	16.00	14.43	13.07	11.84	10.68	9.618	8.638	7.741	7.130	6.740
	6.360	6.085	5.906	5.731	5.561	5.396	5.236	5.080	4.929	4.784
	4.643	4.507	4.376	4.250	4.129	4.013	3.902	3.795	3.694	3.597
	3.506	3.420	3.341	3.267	3.199	3.140	3.087	3.045	3.019	3.007
	3.009	3.014	3.153	3.464	3.948	4.069	4.969	7.315	7.247	4.231
	4.069	2.460	1.986	2.005						
0 39	16.00	14.43	13.07	11.83	10.68	9.612	8.629	7.727	7.111	6.716
	6.336	6.062	5.884	5.710	5.541	5.376	5.216	5.060	4.909	4.763
	4.622	4.485	4.352	4.225	4.102	3.983	3.869	3.759	3.654	3.553
	3.457	3.365	3.278	3.195	3.118	3.045	2.978	2.918	2.865	2.820
	2.783	2.735	2.730	2.800	2.934	2.983	3.320	4.218	4.272	7.486
	7.425	3.243	2.032	2.003						
0 40	16.00	14.43	13.07	11.83	10.68	9.605	8.617	7.710	7.088	6.690
	6.310	6.037	5.859	5.686	5.517	5.353	5.193	5.037	4.886	4.740
	4.598	4.460	4.327	4.198	4.074	3.954	3.839	3.727	3.620	3.517
	3.418	3.323	3.232	3.145	3.062	2.983	2.908	2.838	2.772	2.710
	2.652	2.573	2.489	2.431	2.394	2.360	2.388	2.516	2.514	3.186
	3.297	5.891	2.122	2.005						
0 41	16.00	14.43	13.07	11.83	10.67	9.595	8.602	7.691	7.065	6.665
	6.284	6.011	5.834	5.660	5.492	5.327	5.168	5.012	4.861	4.715
	4.573	4.435	4.302	4.173	4.048	3.928	3.812	3.700	3.592	3.489
	3.389	3.293	3.201	3.113	3.029	2.948	2.872	2.798	2.729	2.663
	2.601	2.513	2.411	2.323	2.249	2.187	2.142	2.101	2.054	2.139
	2.171	2.590	1.996	2.005						
0 42	16.00	14.43	13.07	11.82	10.66	9.586	8.590	7.674	7.046	6.645
	6.263	5.990	5.812	5.639	5.470	5.306	5.146	4.991	4.840	4.693
	4.551	4.413	4.280	4.151	4.026	3.906	3.790	3.678	3.570	3.466
	3.366	3.270	3.178	3.090	3.005	2.924	2.847	2.773	2.703	2.637
	2.573	2.484	2.378	2.285	2.204	2.135	2.078	2.008	1.949	1.937
	1.939	2.013	1.946	2.005						
0 43	16.00	14.43	13.07	11.82	10.66	9.578	8.579	7.660	7.030	6.628
	6.245	5.972	5.794	5.621	5.452	5.288	5.128	4.973	4.822	4.675
	4.533	4.395	4.262	4.133	4.008	3.887	3.771	3.659	3.551	3.447
	3.347	3.251	3.158	3.070	2.985	2.904	2.827	2.753	2.683	2.616
	2.552	2.462	2.355	2.261	2.178	2.108	2.048	1.974	1.911	1.884
	1.880	1.904	1.928	2.005						
0 44	16.00	14.43	13.06	11.82	10.65	9.571	8.570	7.649	7.017	6.614
	6.231	5.957	5.779	5.606	5.437	5.273	5.113	4.958	4.807	4.660
	4.518	4.380	4.247	4.118	3.993	3.872	3.756	3.643	3.535	3.431
	3.331	3.234	3.142	3.054	2.969	2.888	2.810	2.736	2.666	2.599
	2.535	2.445	2.337	2.242	2.159	2.088	2.027	1.952	1.889	1.859
	1.855	1.875	1.919	2.005						
0 45	16.00	14.42	13.06	11.82	10.65	9.566	8.563	7.640	7.007	6.604
	6.220	5.946	5.768	5.594	5.425	5.261	5.101	4.946	4.795	4.648
	4.506	4.368	4.235	4.106	3.981	3.860	3.743	3.631	3.523	3.418
	3.318	3.222	3.129	3.040	2.955	2.874	2.797	2.722	2.652	2.585
	2.521	2.431	2.323	2.228	2.144	2.073	2.012	1.936	1.873	1.842
	1.840	1.862	1.913	2.005						
0 46	16.00	14.42	13.06	11.81	10.65	9.562	8.558	7.633	6.999	6.596
	6.211	5.937	5.759	5.585	5.417	5.252	5.092	4.937	4.786	4.639
	4.497	4.359	4.226	4.097	3.972	3.851	3.734	3.622	3.513	3.409
	3.309	3.212	3.119	3.031	2.946	2.864	2.786	2.712	2.642	2.574
	2.511	2.420	2.312	2.217	2.133	2.061	2.000	1.924	1.861	1.831
	1.829	1.853	1.909	2.002						
0 47	16.00	14.42	13.06	11.81	10.64	9.558	8.552	7.626	6.992	6.588
	6.203	5.929	5.750	5.577	5.408	5.243	5.083	4.928	4.777	4.630
	4.488	4.350	4.217	4.088	3.963	3.842	3.725	3.613	3.504	3.400
	3.299	3.203	3.110	3.021	2.936	2.854	2.776	2.702	2.631	2.564
	2.500	2.409	2.301	2.206	2.122	2.050	1.989	1.912	1.849	1.819
	1.819	1.846	1.905	2.005						

1 HEAD IN LAYER 2 AT END OF TIME STEP 5 IN STRESS PERIOD 1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54						
0 1	16.00	14.82	13.66	12.54	11.47	10.45	9.487	8.585	7.956	7.552
	7.164	6.884	6.702	6.524	6.350	6.180	6.014	5.852	5.693	5.539
	5.389	5.242	5.099	4.961	4.826	4.694	4.567	4.443	4.323	4.207
	4.094	3.985	3.880	3.778	3.679	3.584	3.493	3.404	3.320	3.238
	3.160	3.047	2.909	2.783	2.669	2.566	2.474	2.352	2.227	2.136
	2.073	2.034	2.012	2.000						
0 2	16.00	14.82	13.66	12.54	11.47	10.45	9.494	8.593	7.964	7.561
	7.173	6.894	6.712	6.534	6.360	6.189	6.023	5.861	5.703	5.549
	5.398	5.252	5.109	4.970	4.835	4.704	4.577	4.453	4.333	4.217
	4.104	3.995	3.889	3.787	3.688	3.593	3.502	3.413	3.328	3.247
	3.168	3.055	2.917	2.791	2.677	2.574	2.481	2.358	2.232	2.140
	2.077	2.037	2.014	2.000						
0 3	16.00	14.82	13.66	12.55	11.48	10.46	9.504	8.605	7.978	7.574
	7.187	6.908	6.726	6.548	6.374	6.204	6.038	5.876	5.718	5.563
	5.413	5.267	5.124	4.985	4.850	4.719	4.591	4.468	4.347	4.231
	4.118	4.009	3.903	3.801	3.702	3.607	3.515	3.427	3.342	3.260
	3.181	3.068	2.929	2.803	2.688	2.584	2.492	2.368	2.241	2.147
	2.082	2.040	2.016	2.000						
0 4	16.00	14.82	13.67	12.55	11.48	10.47	9.513	8.616	7.989	7.586
	7.199	6.920	6.738	6.560	6.386	6.216	6.050	5.888	5.730	5.576
	5.425	5.279	5.136	4.998	4.862	4.731	4.604	4.480	4.360	4.243
	4.130	4.021	3.915	3.813	3.714	3.618	3.526	3.438	3.353	3.270
	3.192	3.078	2.939	2.813	2.697	2.594	2.500	2.376	2.248	2.153
	2.087	2.044	2.017	2.000						
0 5	16.00	14.82	13.67	12.56	11.49	10.48	9.524	8.628	8.002	7.600
	7.213	6.935	6.753	6.575	6.401	6.232	6.065	5.903	5.745	5.591
	5.441	5.294	5.151	5.013	4.877	4.746	4.618	4.495	4.374	4.258
	4.145	4.035	3.929	3.827	3.728	3.632	3.540	3.451	3.366	3.284
	3.205	3.091	2.952	2.825	2.709	2.605	2.511	2.386	2.256	2.160
	2.092	2.047	2.019	2.000						
0 6	16.00	14.82	13.67	12.56	11.50	10.49	9.536	8.643	8.018	7.617
	7.231	6.953	6.771	6.593	6.419	6.249	6.083	5.921	5.763	5.609
	5.458	5.312	5.169	5.030	4.895	[illegible].764	4.636	4.512	4.391	4.275
	4.162	4.052	3.946	3.843	3.744	3.648	3.556	3.467	3.381	3.299
	3.220	3.106	2.966	2.839	2.723	2.618	2.523	2.397	2.267	2.169
	2.099	2.052	2.021	2.000						
0 7	16.00	14.82	13.68	12.57	11.51	10.50	9.551	8.660	8.037	7.636
	7.251	6.973	6.792	6.614	6.440	6.270	6.104	5.942	5.784	5.630
	5.479	5.332	5.189	5.050	4.915	4.784	4.656	4.532	4.411	4.294
	4.181	4.071	3.965	3.862	3.763	3.667	3.574	3.485	3.399	3.317
	3.237	3.123	2.983	2.855	2.738	2.633	2.538	2.411	2.278	2.179
	2.107	2.057	2.024	2.000						
0 8	16.00	14.83	13.68	12.57	11.52	10.51	9.567	8.680	8.058	7.659
	7.274	6.997	6.816	6.638	6.464	6.294	6.128	5.966	5.808	5.653
	5.503	5.356	5.213	5.074	4.938	4.806	4.679	4.554	4.434	4.317
	4.203	4.093	3.987	3.884	3.784	3.688	3.595	3.506	3.420	3.337
	3.257	3.143	3.002	2.873	2.756	2.650	2.554	2.426	2.292	2.190
	2.115	2.063	2.027	2.000						
0 9	16.00	14.83	13.69	12.58	11.53	10.53	9.586	8.702	8.083	7.684
	7.300	7.023	6.842	6.665	6.491	6.322	6.155	5.993	5.835	5.680
	5.529	5.382	5.239	5.100	4.964	4.832	4.704	4.579	4.459	4.341
	4.228	4.118	4.011	3.908	3.808	3.712	3.619	3.529	3.443	3.360
	3.280	3.165	3.024	2.894	2.776	2.670	2.573	2.443	2.307	2.203
	2.125	2.070	2.031	2.000						
0 10	16.00	14.83	13.69	12.59	11.54	10.54	9.608	8.728	8.110	7.713
	7.330	7.053	6.873	6.695	6.522	6.352	6.186	6.023	5.865	5.710
	5.559	5.412	5.268	5.129	4.993	4.861	4.732	4.608	4.487	4.369
	4.255	4.145	4.038	3.935	3.835	3.738	3.645	3.555	3.469	3.385
	3.305	3.189	3.048	2.918	2.799	2.691	2.594	2.463	2.324	2.217
	2.137	2.078	2.035	2.000						
0 11	16.00	14.83	13.69	12.60	11.55	10.56	9.626	8.750	8.134	7.737
	7.354	7.078	6.898	6.721	6.547	6.377	6.211	6.049	5.890	5.735
	5.584	5.436	5.293	5.153	5.017	4.884	4.756	4.631	4.510	4.392
	4.278	4.167	4.060	3.957	3.857	3.760	3.667	3.577	3.490	3.406
	3.326	3.210	3.068	2.937	2.818	2.710	2.612	2.479	2.339	2.229
	2.146	2.084	2.038	2.000						
0 12	16.00	14.83	13.70	12.60	11.56	10.57	9.639	8.766	8.150	7.754

	7.372	7.096	6.915	6.738	6.565	6.395	6.229	6.066	5.908	5.752
	5.601	5.453	5.310	5.170	5.033	4.901	4.772	4.647	4.526	4.408
	4.294	4.183	4.076	3.972	3.872	3.775	3.682	3.592	3.505	3.421
	3.340	3.224	3.082	2.951	2.831	2.722	2.624	2.491	2.349	2.238
	2.153	2.089	2.040	2.000						
0 13	16.00	14.83	13.70	12.60	11.56	10.58	9.653	8.783	8.168	7.772
	7.390	7.114	6.934	6.757	6.583	6.414	6.248	6.085	5.926	5.771
	5.619	5.472	5.328	5.187	5.051	4.918	4.789	4.664	4.543	4.425
	4.310	4.200	4.092	3.989	3.888	3.791	3.698	3.607	3.520	3.436
	3.356	3.239	3.096	2.965	2.845	2.736	2.637	2.503	2.359	2.247
	2.160	2.094	2.043	2.000						
0 14	16.00	14.84	13.70	12.61	11.57	10.59	9.668	8.801	8.187	7.791
	7.409	7.133	6.953	6.776	6.603	6.433	6.267	6.104	5.945	5.790
	5.639	5.491	5.346	5.206	5.069	4.936	4.807	4.682	4.560	4.442
	4.328	4.217	4.109	4.005	3.905	3.808	3.714	3.624	3.536	3.452
	3.372	3.255	3.112	2.980	2.860	2.750	2.650	2.515	2.371	2.257
	2.168	2.099	2.045	2.000						
0 15	16.00	14.84	13.70	12.61	11.57	10.60	9.684	8.820	8.207	7.811
	7.429	7.153	6.972	6.796	6.622	6.453	6.287	6.124	5.966	5.810
	5.659	5.511	5.366	5.225	5.089	4.955	4.826	4.701	4.579	4.460
	4.346	4.235	4.127	4.023	3.922	3.825	3.731	3.641	3.553	3.469
	3.388	3.271	3.128	2.996	2.875	2.765	2.664	2.529	2.383	2.267
	2.176	2.105	2.048	2.000						
0 16	16.00	14.84	13.70	12.62	11.58	10.61	9.701	8.842	8.228	7.832
	7.449	7.173	6.993	6.816	6.643	6.473	6.308	6.145	5.987	5.831
	5.680	5.531	5.387	5.246	5.109	4.975	4.846	4.720	4.598	4.480
	4.365	4.253	4.146	4.042	3.941	3.843	3.749	3.659	3.571	3.487
	3.406	3.289	3.145	3.012	2.891	2.780	2.679	2.542	2.395	2.277
	2.184	2.110	2.051	2.000						
0 17	16.00	14.84	13.71	12.62	11.59	10.62	9.720	8.865	8.251	7.854
	7.471	7.195	7.014	6.837	6.664	6.495	6.329	6.167	6.008	5.853
	5.701	5.553	5.408	5.267	5.130	4.996	4.867	4.741	4.618	4.500
	4.384	4.273	4.165	4.061	3.960	3.862	3.768	3.677	3.590	3.505
	3.424	3.307	3.162	3.029	2.907	2.796	2.695	2.557	2.408	2.288
	2.193	2.117	2.054	2.000						
0 18	16.00	14.84	13.71	12.62	11.59	10.63	9.739	8.889	8.276	7.878
	7.494	7.217	7.036	6.859	6.686	6.517	6.351	6.189	6.031	5.875
	5.724	5.575	5.430	5.289	5.151	5.018	4.888	4.762	4.639	4.520
	4.405	4.293	4.185	4.081	3.980	3.882	3.788	3.697	3.609	3.524
	3.443	3.325	3.180	3.047	2.925	2.813	2.711	2.572	2.422	2.300
	2.202	2.123	2.058	2.000						
0 19	16.00	14.84	13.71	12.62	11.59	10.64	9.760	8.915	8.302	7.903
	7.517	7.240	7.059	6.882	6.709	6.540	6.374	6.212	6.054	5.899
	5.747	5.598	5.453	5.312	5.174	5.040	4.910	4.784	4.661	4.542
	4.426	4.315	4.206	4.102	4.000	3.902	3.808	3.717	3.629	3.544
	3.463	3.345	3.199	3.066	2.943	2.830	2.728	2.588	2.436	2.313
	2.212	2.130	2.061	2.000						
0 20	16.00	14.84	13.71	12.63	11.60	10.64	9.779	8.940	8.330	7.929
	7.541	7.263	7.082	6.905	6.732	6.563	6.398	6.236	6.077	5.922
	5.771	5.622	5.477	5.335	5.198	5.064	4.934	4.807	4.684	4.565
	4.449	4.337	4.228	4.123	4.022	3.924	3.829	3.738	3.650	3.565
	3.483	3.365	3.219	3.085	2.961	2.848	2.745	2.605	2.451	2.326
	2.223	2.137	2.065	2.000						
0 21	16.00	14.84	13.71	12.63	11.60	10.65	9.793	8.961	8.357	7.955
	7.566	7.287	7.106	6.929	6.756	6.587	6.421	6.260	6.102	5.947
	5.795	5.646	5.501	5.360	5.222	5.088	4.958	4.831	4.708	4.588
	4.472	4.360	4.251	4.146	4.044	3.946	3.851	3.760	3.671	3.586
	3.504	3.386	3.240	3.105	2.981	2.867	2.764	2.622	2.467	2.339
	2.234	2.145	2.069	2.000						
0 22	16.00	14.84	13.71	12.63	11.60	10.65	9.790	8.963	8.381	7.979
	7.589	7.310	7.129	6.952	6.779	6.610	6.445	6.284	6.126	5.971
	5.819	5.671	5.526	5.385	5.247	5.113	4.982	4.855	4.732	4.612
	4.496	4.383	4.274	4.169	4.067	3.969	3.874	3.782	3.694	3.609
	3.526	3.408	3.261	3.126	3.001	2.887	2.783	2.640	2.484	2.354
	2.246	2.153	2.073	2.000						
0 23	16.00	14.84	13.71	12.63	11.60	10.65	9.782	8.958	8.395	8.001
	7.610	7.331	7.150	6.973	6.800	6.631	6.467	6.306	6.148	5.994
	5.843	5.695	5.550	5.409	5.271	5.137	5.007	4.880	4.756	4.637
	4.520	4.408	4.299	4.193	4.091	3.993	3.898	3.806	3.717	3.632
	3.549	3.430	3.283	3.147	3.022	2.908	2.803	2.659	2.501	2.369
	2.258	2.162	2.077	2.000						
0 24	16.00	14.84	13.71	12.63	11.60	10.65	9.774	8.951	8.393	8.011

	7.620	7.342	7.161	6.984	6.812	6.643	6.479	6.318	6.161	6.008
	5.857	5.710	5.566	5.425	5.288	5.155	5.024	4.898	4.775	4.655
	4.539	4.426	4.317	4.211	4.109	4.011	3.916	3.824	3.735	3.649
	3.567	3.447	3.300	3.164	3.038	2.923	2.818	2.674	2.515	2.382
	2.268	2.169	2.081	2.000						
0 25	16.00	14.84	13.71	12.63	11.60	10.65	9.769	8.946	8.388	8.014
	7.625	7.347	7.165	6.988	6.816	6.647	6.483	6.323	6.167	6.014
	5.864	5.718	5.575	5.435	5.298	5.165	5.035	4.909	4.786	4.666
	4.550	4.438	4.329	4.224	4.122	4.023	3.928	3.836	3.747	3.661
	3.579	3.459	3.311	3.175	3.049	2.934	2.829	2.684	2.524	2.390
	2.275	2.174	2.083	2.000						
0 26	16.00	14.84	13.71	12.63	11.60	10.64	9.763	8.940	8.380	8.011
	7.625	7.345	7.164	6.987	6.814	6.646	6.482	6.322	6.167	6.015
	5.867	5.722	5.581	5.442	5.306	5.174	5.045	4.919	4.797	4.677
	4.562	4.450	4.341	4.235	4.134	4.035	3.940	3.848	3.759	3.673
	3.590	3.471	3.323	3.186	3.061	2.945	2.839	2.694	2.534	2.398
	2.283	2.179	2.085	2.000						
0 27	16.00	14.84	13.71	12.63	11.60	10.64	9.758	8.933	8.371	8.003
	7.620	7.340	7.159	6.982	6.810	6.642	6.478	6.318	6.163	6.012
	5.865	5.722	5.581	5.445	5.311	5.180	5.052	4.927	4.806	4.687
	4.572	4.460	4.352	4.247	4.145	4.047	3.952	3.860	3.771	3.685
	3.602	3.483	3.335	3.198	3.072	2.956	2.850	2.704	2.544	2.407
	2.290	2.184	2.088	2.000						
0 28	16.00	14.84	13.71	12.63	11.60	10.64	9.753	8.926	8.361	7.991
	7.611	7.333	7.152	6.975	6.803	6.635	6.472	6.312	6.157	6.007
	5.861	5.718	5.578	5.443	5.310	5.181	5.055	4.932	4.812	4.694
	4.580	4.469	4.361	4.257	4.156	4.057	3.963	3.871	3.782	3.697
	3.614	3.495	3.347	3.209	3.083	2.968	2.861	2.715	2.554	2.416
	2.297	2.189	2.090	2.000						
0 29	16.00	14.84	13.71	12.63	11.60	10.64	9.748	8.919	8.350	7.978
	7.601	7.324	7.144	6.967	6.795	6.628	6.464	6.305	6.150	6.000
	5.854	5.712	5.573	5.438	5.306	5.178	5.053	4.932	4.813	4.698
	4.585	4.475	4.368	4.265	4.165	4.067	3.973	3.882	3.793	3.708
	3.625	3.506	3.358	3.221	3.095	2.979	2.872	2.726	2.564	2.425
	2.305	2.194	2.093	2.000						
0 30	16.00	14.84	13.71	12.63	11.60	10.64	9.742	8.911	8.339	7.966
	7.590	7.314	7.134	6.958	6.787	6.619	6.456	6.297	6.142	5.992
	5.846	5.704	5.566	5.432	5.301	5.173	5.049	4.928	4.810	4.696
	4.585	4.477	4.372	4.270	4.171	4.074	3.981	3.891	3.803	3.718
	3.636	3.517	3.370	3.232	3.106	2.991	2.884	2.737	2.575	2.435
	2.314	2.200	2.095	2.000						
0 31	16.00	14.84	13.71	12.63	11.60	10.63	9.737	8.904	8.328	7.953
	7.578	7.304	7.125	6.949	6.778	6.610	6.447	6.289	6.134	5.984
	5.838	5.696	5.558	5.424	5.293	5.166	5.043	4.922	4.805	4.692
	4.581	4.474	4.371	4.270	4.172	4.078	3.986	3.897	3.810	3.726
	3.645	3.527	3.380	3.243	3.117	3.002	2.895	2.747	2.586	2.445
	2.322	2.206	2.098	2.000						
0 32	16.00	14.84	13.71	12.63	11.60	10.63	9.732	8.896	8.317	7.941
	7.567	7.294	7.115	6.940	6.769	6.601	6.439	6.280	6.126	5.976
	5.830	5.688	5.550	5.416	5.286	5.159	5.035	4.915	4.799	4.686
	4.576	4.469	4.366	4.266	4.170	4.077	3.986	3.898	3.814	3.732
	3.651	3.536	3.390	3.254	3.128	3.013	2.906	2.758	2.596	2.454
	2.331	2.212	2.100	2.000						
0 33	16.00	14.84	13.71	12.63	11.60	10.63	9.727	8.889	8.307	7.929
	7.556	7.284	7.105	6.930	6.759	6.592	6.430	6.271	6.117	5.967
	5.821	5.679	5.542	5.408	5.277	5.151	5.027	4.908	4.791	4.679
	4.569	4.463	4.361	4.261	4.165	4.072	3.983	3.896	3.813	3.732
	3.654	3.541	3.398	3.263	3.138	3.024	2.917	2.769	2.608	2.464
	2.340	2.218	2.103	2.000						
0 34	16.00	14.84	13.71	12.63	11.60	10.63	9.722	8.882	8.297	7.918
	7.545	7.274	7.096	6.921	6.750	6.584	6.421	6.263	6.108	5.958
	5.813	5.671	5.533	5.399	5.269	5.142	5.019	4.900	4.784	4.671
	4.562	4.456	4.354	4.255	4.159	4.067	3.977	3.891	3.809	3.729
	3.653	3.541	3.402	3.270	3.147	3.034	2.928	2.780	2.619	2.474
	2.349	2.224	2.105	2.000						
0 35	16.00	14.84	13.71	12.63	11.59	10.62	9.717	8.875	8.288	7.907
	7.535	7.264	7.086	6.912	6.742	6.575	6.412	6.254	6.100	5.950
	5.804	5.662	5.525	5.391	5.260	5.134	5.011	4.892	4.776	4.663
	4.554	4.449	4.346	4.247	4.152	4.060	3.971	3.885	3.803	3.724
	3.648	3.537	3.401	3.274	3.153	3.042	2.937	2.790	2.629	2.484
	2.358	2.230	2.108	2.000						
0 36	16.00	14.84	13.71	12.63	11.59	10.62	9.713	8.868	8.279	7.897

	7.525	7.254	7.077	6.903	6.733	6.566	6.404	6.246	6.092	5.942
	5.796	5.654	5.516	5.382	5.252	5.126	5.003	4.883	4.768	4.655
	4.546	4.441	4.339	4.240	4.145	4.053	3.964	3.878	3.796	3.717
	3.642	3.532	3.397	3.273	3.156	3.047	2.944	2.799	2.639	2.494
	2.368	2.237	2.110	2.000						
0 37	16.00	14.84	13.71	12.62	11.59	10.62	9.708	8.861	8.270	7.888
	7.516	7.245	7.068	6.894	6.724	6.558	6.396	6.238	6.083	5.933
	5.788	5.646	5.508	5.374	5.244	5.117	4.994	4.875	4.760	4.647
	4.538	4.433	4.331	4.232	4.137	4.045	3.956	3.871	3.789	3.710
	3.635	3.525	3.392	3.268	3.154	3.047	2.948	2.806	2.648	2.504
	2.377	2.243	2.112	2.000						
0 38	16.00	14.84	13.71	12.62	11.59	10.61	9.701	8.851	8.257	7.874
	7.502	7.232	7.055	6.882	6.712	6.546	6.384	6.226	6.072	5.922
	5.776	5.634	5.496	5.362	5.231	5.105	4.982	4.863	4.747	4.635
	4.527	4.421	4.319	4.221	4.125	4.033	3.945	3.860	3.778	3.699
	3.623	3.514	3.381	3.259	3.146	3.041	2.945	2.814	2.658	2.516
	2.391	2.253	2.115	2.000						
0 39	16.00	14.84	13.71	12.62	11.59	10.61	9.692	8.838	8.242	7.857
	7.485	7.215	7.039	6.866	6.696	6.530	6.369	6.211	6.056	5.906
	5.760	5.618	5.480	5.346	5.216	5.089	4.967	4.848	4.732	4.620
	4.511	4.406	4.304	4.206	4.110	4.018	3.930	3.844	3.762	3.683
	3.607	3.498	3.365	3.243	3.131	3.027	2.933	2.804	2.652	2.525
	2.402	2.265	2.118	2.000						
0 40	16.00	14.84	13.71	12.62	11.58	10.60	9.679	8.821	8.221	7.835
	7.462	7.192	7.016	6.843	6.674	6.509	6.347	6.189	6.035	5.885
	5.739	5.597	5.459	5.324	5.194	5.067	4.944	4.825	4.710	4.598
	4.489	4.384	4.282	4.183	4.088	3.996	3.907	3.822	3.740	3.661
	3.585	3.475	3.341	3.218	3.105	3.002	2.908	2.779	2.631	2.508
	2.391	2.279	2.121	2.000						
0 41	16.00	14.84	13.71	12.62	11.57	10.59	9.664	8.800	8.197	7.809
	7.435	7.166	6.990	6.817	6.648	6.483	6.321	6.164	6.010	5.860
	5.714	5.571	5.433	5.299	5.168	5.041	4.918	4.799	4.683	4.571
	4.462	4.357	4.255	4.157	4.061	3.969	3.881	3.795	3.712	3.633
	3.557	3.447	3.312	3.188	3.074	2.970	2.875	2.745	2.598	2.474
	2.360	2.251	2.116	2.000						
0 42	16.00	14.84	13.70	12.61	11.57	10.58	9.651	8.783	8.177	7.788
	7.413	7.143	6.967	6.795	6.626	6.460	6.299	6.141	5.988	5.838
	5.691	5.549	5.411	5.276	5.145	5.018	4.895	4.776	4.660	4.547
	4.439	4.333	4.231	4.133	4.038	3.946	3.857	3.771	3.688	3.609
	3.532	3.422	3.286	3.161	3.047	2.942	2.846	2.715	2.568	2.443
	2.331	2.224	2.107	2.000						
0 43	16.00	14.84	13.70	12.61	11.56	10.57	9.640	8.768	8.160	7.770
	7.395	7.125	6.948	6.776	6.607	6.442	6.280	6.123	5.969	5.819
	5.673	5.530	5.392	5.257	5.126	4.999	4.876	4.756	4.640	4.527
	4.418	4.313	4.211	4.112	4.017	3.925	3.836	3.750	3.667	3.587
	3.511	3.400	3.264	3.138	3.023	2.918	2.822	2.690	2.542	2.417
	2.306	2.203	2.098	2.000						
0 44	16.00	14.84	13.70	12.60	11.56	10.56	9.630	8.756	8.147	7.756
	7.380	7.109	6.933	6.760	6.591	6.426	6.265	6.107	5.953	5.803
	5.657	5.515	5.376	5.241	5.110	4.983	4.859	4.739	4.623	4.511
	4.401	4.296	4.194	4.095	3.999	3.907	3.818	3.732	3.649	3.570
	3.493	3.382	3.245	3.119	3.004	2.898	2.801	2.669	2.521	2.396
	2.287	2.187	2.091	2.000						
0 45	16.00	14.84	13.70	12.60	11.55	10.56	9.623	8.747	8.136	7.744
	7.368	7.097	6.921	6.748	6.579	6.414	6.252	6.095	5.941	5.791
	5.645	5.502	5.364	5.229	5.098	4.970	4.846	4.726	4.610	4.497
	4.388	4.282	4.180	4.081	3.985	3.893	3.804	3.718	3.635	3.555
	3.478	3.367	3.230	3.104	2.988	2.882	2.785	2.652	2.504	2.379
	2.272	2.175	2.085	2.000						
0 46	16.00	14.84	13.70	12.60	11.55	10.55	9.617	8.740	8.128	7.736
	7.359	7.088	6.911	6.739	6.569	6.404	6.243	6.085	5.931	5.781
	5.635	5.493	5.354	5.219	5.088	4.961	4.837	4.717	4.600	4.487
	4.378	4.272	4.170	4.071	3.975	3.883	3.793	3.707	3.624	3.544
	3.467	3.356	3.219	3.093	2.977	2.870	2.773	2.640	2.492	2.367
	2.261	2.167	2.081	2.000						
0 47	16.00	14.84	13.70	12.60	11.55	10.55	9.611	8.733	8.121	7.728
	7.351	7.079	6.902	6.729	6.560	6.395	6.233	6.076	5.922	5.772
	5.626	5.483	5.345	5.210	5.079	4.951	4.827	4.707	4.591	4.478
	4.368	4.262	4.160	4.060	3.965	3.872	3.783	3.696	3.613	3.533
	3.456	3.345	3.208	3.081	2.965	2.859	2.761	2.628	2.479	2.355
	2.250	2.159	2.077	2.000						

OHEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP 5, STRESS PERIOD 1

0

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 5 IN STRESS PERIOD 1

CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T
IN:		IN:	
STORAGE =	0.00000	STORAGE =	0.00000
CONSTANT HEAD =	0.00000	CONSTANT HEAD =	0.00000
WELLS =	0.00000	WELLS =	0.00000
RECHARGE =	0.73007E+07	RECHARGE =	0.56332
RIVER LEAKAGE =	0.12944E+08	RIVER LEAKAGE =	0.99880
HEAD DEP BOUNDS =	0.14316E+09	HEAD DEP BOUNDS =	4.6780
TOTAL IN =	0.16340E+09	TOTAL IN =	6.2401
OUT:		OUT:	
STORAGE =	0.16270E+09	STORAGE =	5.9827
CONSTANT HEAD =	0.00000	CONSTANT HEAD =	0.00000
WELLS =	0.00000	WELLS =	0.00000
RECHARGE =	0.00000	RECHARGE =	0.00000
RIVER LEAKAGE =	0.00000	RIVER LEAKAGE =	0.00000
HEAD DEP BOUNDS =	0.70030E+06	HEAD DEP BOUNDS =	0.25737
TOTAL OUT =	0.16340E+09	TOTAL OUT =	6.2401
IN - OUT =	3440.0	IN - OUT =	-0.21458E-04
PERCENT DISCREPANCY =	0.00	PERCENT DISCREPANCY =	0.00

0

TIME SUMMARY AT END OF TIME STEP 5 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	0.259200E+07	43200.0	720.000	30.0000	0.821355E-01
STRESS PERIOD TIME	0.129600E+08	216000.	3600.00	150.000	0.410678
TOTAL SIMULATION TIME	0.129600E+08	216000.	3600.00	150.000	0.410678

1

1 STRESS PERIOD NO. 2, LENGTH = 0.1036800E+08

NUMBER OF TIME STEPS = 4

MULTIPLIER FOR DELT = 1.000

INITIAL TIME STEP SIZE = 2592000.

0 21 WELLS

LAYER	ROW	COL	STRESS RATE	WELL NO.
2	2	3	-8.8900	1
2	4	3	-8.8900	2
2	6	3	-8.8900	3
2	8	3	-8.8900	4
2	37	3	-8.8900	5
2	41	3	-8.8900	6
2	43	3	-8.8900	7
2	45	3	-8.8900	8
2	2	51	-5.5700	9
2	4	51	-5.5700	10
2	6	51	-5.5700	11
2	8	51	-5.5700	12
2	10	51	-5.5700	13
2	14	51	-5.5700	14
2	18	51	-5.5700	15
2	22	51	-5.5700	16
2	29	51	-5.5700	17
2	37	51	-5.5700	18
2	41	51	-5.5700	19
2	43	51	-5.5700	20

```
                                                  2      45      51     -5.5700          21
0                                                                          RECHARGE =  0.1190000E-08
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    46 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  2
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,CO
 ---------------------------------------------------------------------------------------------------------------------------------
   -20.21     (  2, 43,  3)  -12.39     (  2,  3,  4)  -12.71     (  2, 13, 50)  -11.68     (  2, 33, 49)  -7.011     (  2, 14, 40
  -0.5006     (  2,  1, 50) -0.5448     (  2,  2, 49)  0.5110     (  2, 35, 49)  -1.652     (  2, 30, 21)  -1.239     (  2, 16, 42
  -0.1361     (  1, 40, 42)  0.1334     (  2,  6, 48)  0.1975     (  2,  5, 47)  0.4752     (  2, 32, 31)  0.2208     (  2, 20, 21
   0.1975E-01 (  2,  1, 43) -0.2889E-01 (  2, 37, 32) -0.6115E-01 (  2, 33, 30) -0.1141     (  2, 29, 28)  0.5439E-01 (  2, 14, 16
  -0.9393E-02 (  1, 13, 18) -0.1136E-01 (  2,  8, 23)  0.2583E-01 (  2, 24, 25) -0.2394E-01 (  2, 13, 15) -0.3395E-01 (  2, 23, 25
   0.6375E-02 (  2, 10, 11)  0.1336E-01 (  2, 17, 19)  0.9669E-02 (  2, 13, 16)  0.3200E-01 (  2, 22, 24) -0.1405E-01 (  2, 23, 25
   0.4208E-02 (  1, 19, 23)  0.3120E-02 (  2,  7, 23) -0.9640E-02 (  2, 20, 22)  0.2613E-02 (  2, 10, 12)  0.1326E-01 (  2, 17, 19
  -0.2440E-02 (  2, 10, 12) -0.5041E-02 (  2, 19, 21) -0.2716E-02 (  2, 25, 26) -0.1269E-01 (  2, 23, 25)  0.6795E-02 (  2, 23, 25
  -0.1691E-02 (  1, 19, 23)  0.1415E-02 (  2, 17, 19)  0.3727E-02 (  2, 18, 20) -0.2331E-02 (  2, 23, 24) -0.5482E-02 (  2, 15, 18
   0.9449E-03 (  2, 10, 12)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                      HEAD IN LAYER  1 AT END OF TIME STEP  1 IN STRESS PERIOD  2
            ---------------------------------------------------------------------
```

	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54						
0 1	15.96	7.575	0.6745	-0.6977	-0.5206	-3.9426E-02	0.3689	0.6031	0.6407	0.6224
	0.5636	0.4912	0.4338	0.3676	0.2930	0.2102	0.1194	2.0824E-02	-8.5295E-02	-0.1988
	-0.3196	-0.4474	-0.5823	-0.7242	-0.8728	-1.028	-1.191	-1.360	-1.536	-1.718
	-1.908	-2.105	-2.308	-2.519	-2.737	-2.962	-3.195	-3.435	-3.683	-3.938
	-4.202	-4.609	-5.183	-5.790	-6.427	-7.093	-7.784	-8.848	-10.25	-11.37
	-11.39	-7.791	-3.059	1.982						
0 2	15.92	5.961	-4.629	-2.504	-1.096	-0.1965	0.3535	0.6313	0.6758	0.6583
	0.5981	0.5238	0.4650	0.3973	0.3212	0.2368	0.1445	4.4393E-02	-6.3247E-02	-0.1783
	-0.3005	-0.4298	-0.5662	-0.7095	-0.8596	-1.017	-1.180	-1.351	-1.529	-1.713
	-1.905	-2.103	-2.309	-2.522	-2.742	-2.970	-3.206	-3.449	-3.700	-3.960
	-4.228	-4.643	-5.231	-5.856	-6.519	-7.220	-7.959	-9.130	-10.85	-12.79
	-15.10	-9.146	-3.521	1.963						
0 3	15.95	5.352	-5.145	-3.187	-1.352	-0.2276	0.4036	0.6997	0.7412	0.7193
	0.6536	0.5750	0.5134	0.4430	0.3641	0.2772	0.1823	7.9762E-02	-3.0224E-02	-0.1475
	-0.2720	-0.4035	-0.5419	-0.6873	-0.8395	-0.9986	-1.165	-1.337	-1.517	-1.704
	-1.898	-2.099	-2.307	-2.523	-2.747	-2.978	-3.218	-3.466	-3.722	-3.987
	-4.261	-4.686	-5.291	-5.938	-6.629	-7.368	-8.158	-9.429	-11.39	-13.67
	-15.86	-9.955	-3.892	1.979						
0 4	15.95	4.909	-7.662	-3.641	-1.416	-0.1838	0.4737	0.7672	0.8005	0.7726
	0.7011	0.6183	0.5540	0.4811	0.3999	0.3106	0.2136	0.1090	-2.9335E-03	-0.1221
	-0.2483	-0.3816	-0.5217	-0.6688	-0.8226	-0.9834	-1.151	-1.326	-1.507	-1.696
	-1.891	-2.095	-2.305	-2.523	-2.750	-2.984	-3.226	-3.477	-3.737	-4.006
	-4.284	-4.717	-5.335	-5.997	-6.709	-7.474	-8.297	-9.635	-11.74	-14.35
	-17.95	-10.59	-4.137	1.978						
0 5	15.95	4.926	-6.519	-3.547	-1.301	-5.4736E-02	0.5880	0.8590	0.8766	0.8391
	0.7590	0.6706	0.6028	0.5267	0.4424	0.3503	0.2507	0.1436	2.9375E-02	-9.1969E-02
	-0.2203	-0.3555	-0.4976	-0.6466	-0.8023	-0.9649	-1.134	-1.311	-1.494	-1.685
	-1.883	-2.088	-2.301	-2.522	-2.751	-2.988	-3.233	-3.488	-3.751	-4.025
	-4.307	-4.748	-5.378	-6.057	-6.789	-7.579	-8.434	-9.833	-12.06	-14.80
	-17.71	-10.98	-4.346	1.977						
0 6	15.95	5.049	-7.620	-3.284	-1.008	0.1678	0.7492	0.9753	0.9689	0.9180
	0.8267	0.7312	0.6591	0.5790	0.4911	0.3958	0.2931	0.1832	6.6308E-02	-5.7496E-02
	-0.1881	-0.3256	-0.4698	-0.6208	-0.7786	-0.9431	-1.115	-1.293	-1.479	-1.671
	-1.871	-2.079	-2.294	-2.518	-2.749	-2.989	-3.238	-3.496	-3.764	-4.041
	-4.329	-4.777	-5.420	-6.114	-6.864	-7.678	-8.562	-10.01	-12.35	-15.28
	-19.23	-11.41	-4.525	1.977						
0 7	15.95	5.695	-5.122	-2.401	-0.5049	0.4828	0.9544	1.114	1.076	1.008
	0.9027	0.7989	0.7218	0.6372	0.5452	0.4461	0.3400	0.2271	0.1073	-1.9138E-02
	-0.1523	-0.2921	-0.4385	-0.5916	-0.7515	-0.9181	-1.092	-1.272	-1.460	-1.655
	-1.857	-2.067	-2.285	-2.511	-2.745	-2.988	-3.240	-3.501	-3.773	-4.054

	-4.346	-4.802	-5.456	-6.165	-6.932	-7.766	-8.674	-10.17	-12.58	-15.52
	-18.58	-11.61	-4.659	1.976						
0 8	15.96	6.493	-4.611	-1.314	0.1598	0.8729	1.194	1.269	1.193	1.105
	0.9850	0.8720	0.7894	0.6999	0.6035	0.5004	0.3907	0.2745	0.1517	2.2521E-02
	-0.1132	-0.2553	-0.4040	-0.5593	-0.7212	-0.8899	-1.065	-1.248	-1.438	-1.635
	-1.839	-2.051	-2.271	-2.500	-2.737	-2.982	-3.238	-3.502	-3.777	-4.062
	-4.358	-4.820	-5.486	-6.207	-6.989	-7.841	-8.769	-10.30	-12.76	-15.82
	-19.82	-11.87	-4.766	1.976						
0 9	15.96	7.810	-1.8156E-02	0.3515	0.9569	1.310	1.453	1.433	1.316	1.208
	1.071	0.9484	0.8601	0.7655	0.6645	0.5574	0.4440	0.3245	0.1988	6.6827E-02
	-7.1353E-02	-0.2158	-0.3667	-0.5241	-0.6880	-0.8586	-1.036	-1.220	-1.412	-1.611
	-1.817	-2.032	-2.254	-2.485	-2.724	-2.972	-3.230	-3.498	-3.775	-4.064
	-4.364	-4.832	-5.506	-6.238	-7.033	-7.899	-8.843	-10.40	-12.89	-15.90
	-18.92	-11.93	-4.836	1.975						
0 10	15.94	9.052	3.160	1.938	1.761	1.751	1.714	1.597	1.439	1.310
	1.158	1.026	0.9318	0.8322	0.7268	0.6157	0.4989	0.3762	0.2476	0.1131
	-2.7403E-02	-0.1741	-0.3270	-0.4863	-0.6520	-0.8243	-1.003	-1.190	-1.383	-1.583
	-1.792	-2.008	-2.232	-2.465	-2.706	-2.957	-3.217	-3.487	-3.767	-4.059
	-4.362	-4.835	-5.517	-6.258	-7.063	-7.940	-8.897	-10.47	-13.00	-16.06
	-19.92	-12.06	-4.891	1.955						
0 11	15.97	9.782	4.691	2.897	2.295	2.053	1.895	1.713	1.528	1.385
	1.221	1.082	0.9848	0.8817	0.7733	0.6595	0.5403	0.4156	0.2853	0.1492
	7.0142E-03	-0.1412	-0.2956	-0.4562	-0.6231	-0.7965	-0.9767	-1.164	-1.358	-1.560
	-1.769	-1.986	-2.212	-2.446	-2.689	-2.940	-3.202	-3.474	-3.756	-4.049
	-4.354	-4.830	-5.517	-6.262	-7.073	-7.957	-8.921	-10.51	-13.04	-16.06
	-19.08	-12.05	-4.913	1.974						
0 12	15.97	10.19	5.496	3.448	2.615	2.239	2.008	1.787	1.584	1.432
	1.262	1.120	1.019	0.9141	0.8037	0.6882	0.5678	0.4422	0.3111	0.1739
	3.0751E-02	-0.1185	-0.2740	-0.4357	-0.6035	-0.7775	-0.9581	-1.146	-1.341	-1.543
	-1.753	-1.971	-2.197	-2.432	-2.675	-2.928	-3.191	-3.463	-3.746	-4.040
	-4.346	-4.824	-5.514	-6.262	-7.077	-7.964	-8.932	-10.52	-13.07	-16.08
	-18.98	-12.07	-4.927	1.975						
0 13	15.97	10.54	6.129	3.911	2.896	2.404	2.112	1.857	1.638	1.478
	1.302	1.156	1.053	0.9456	0.8330	0.7160	0.5947	0.4691	0.3383	0.2003
	5.6087E-02	-9.4270E-02	-0.2517	-0.4151	-0.5839	-0.7580	-0.9385	-1.126	-1.322	-1.525
	-1.736	-1.954	-2.181	-2.417	-2.661	-2.914	-3.177	-3.451	-3.735	-4.030
	-4.336	-4.816	-5.508	-6.259	-7.076	-7.967	-8.938	-10.54	-13.09	-16.13
	-19.40	-12.11	-4.939	1.975						
0 14	15.98	10.81	6.617	4.289	3.132	2.548	2.207	1.923	1.690	1.522
	1.340	1.190	1.086	0.9755	0.8595	0.7410	0.6201	0.4968	0.3704	0.2309
	8.5162E-02	-6.5943E-02	-0.2280	-0.3952	-0.5662	-0.7388	-0.9174	-1.104	-1.300	-1.505
	-1.717	-1.937	-2.164	-2.400	-2.645	-2.899	-3.162	-3.436	-3.721	-4.017
	-4.324	-4.805	-5.498	-6.252	-7.071	-7.964	-8.938	-10.54	-13.10	-16.18
	-20.10	-12.16	-4.949	1.975						
0 15	15.98	11.02	6.982	4.583	3.323	2.668	2.296	1.990	1.741	1.565
	1.377	1.224	1.117	1.003	0.8789	0.7561	0.6371	0.5180	0.4075	0.2715
	0.1228	-2.3907E-02	-0.2023	-0.3797	-0.5578	-0.7215	-0.8930	-1.074	-1.274	-1.483
	-1.697	-1.917	-2.145	-2.382	-2.627	-2.881	-3.146	-3.420	-3.705	-4.002
	-4.310	-4.791	-5.486	-6.241	-7.062	-7.957	-8.934	-10.54	-13.10	-16.18
	-19.59	-12.16	-4.955	1.975						
0 16	15.98	11.17	7.237	4.796	3.465	2.763	2.388	2.067	1.795	1.608
	1.413	1.257	1.149	1.033	0.9039	0.7754	0.6569	0.5368	0.4193	0.2918
	0.1623	4.8054E-02	-0.1547	-0.3782	-0.5819	-0.7121	-0.8682	-1.028	-1.232	-1.457
	-1.675	-1.897	-2.125	-2.362	-2.607	-2.862	-3.127	-3.402	-3.687	-3.984
	-4.293	-4.775	-5.471	-6.227	-7.049	-7.946	-8.923	-10.53	-13.10	-16.18
	-19.37	-12.16	-4.957	1.975						
0 17	15.98	11.26	7.392	4.930	3.558	2.835	2.509	2.182	1.864	1.655
	1.450	1.291	1.182	1.066	0.9343	0.7898	0.6773	0.5624	0.4412	0.3145
	0.1890	7.8356E-02	-0.1251	-0.3602	-0.5692	-0.6945	-0.8465	-1.003	-1.204	-1.433
	-1.652	-1.875	-2.104	-2.341	-2.586	-2.842	-3.106	-3.381	-3.667	-3.964
	-4.273	-4.756	-5.452	-6.209	-7.032	-7.929	-8.908	-10.52	-13.09	-16.19
	-19.66	-12.18	-4.957	1.975						
0 18	15.98	11.30	7.454	4.986	3.602	2.887	2.729	2.406	1.976	1.718
	1.493	1.330	1.221	1.110	1.008	0.8510	0.6831	0.5864	0.4675	0.3416
	0.2177	9.8104E-02	-0.1062	-0.3449	-0.5404	-0.6672	-0.8199	-0.9758	-1.178	-1.408
	-1.628	-1.851	-2.080	-2.318	-2.564	-2.819	-3.084	-3.359	-3.645	-3.942
	-4.251	-4.734	-5.431	-6.188	-7.011	-7.908	-8.886	-10.50	-13.07	-16.20
	-20.25	-12.19	-4.952	1.975						
0 19	15.98	11.28	7.422	4.965	3.597	2.925	3.225	2.921	2.198	1.819
	1.551	1.382	1.270	1.158	1.044	0.9204	0.7692	0.6438	0.5164	0.3897
	0.2828	6.1299E-02	-0.1243	-0.3689	-0.4867	-0.6291	-0.7870	-0.9452	-1.150	-1.380
	-1.602	-1.825	-2.055	-2.292	-2.538	-2.794	-3.059	-3.334	-3.620	-3.917

	-4.226	-4.709	-5.406	-6.162	-6.985	-7.882	-8.860	-10.47	-13.04	-16.15
	-19.63	-12.16	-4.941	1.975						
0 20	15.98	11.20	7.297	4.867	3.542	2.957	4.453	4.193	2.691	2.009
	1.649	1.469	1.355	1.242	1.125	1.002	0.8701	0.7389	0.6054	0.4738
	0.3650	8.7939E-02	-9.9096E-02	-0.3261	-0.4347	-0.5826	-0.7461	-0.9081	-1.115	-1.347
	-1.569	-1.793	-2.024	-2.262	-2.509	-2.764	-3.030	-3.305	-3.592	-3.889
	-4.198	-4.681	-5.377	-6.133	-6.955	-7.851	-8.827	-10.43	-13.00	-16.09
	-19.31	-12.11	-4.925	1.975						
0 21	15.98	11.07	7.073	4.690	3.436	2.965	7.525	7.356	3.823	2.392
	1.837	1.647	1.534	1.422	1.306	1.184	1.055	0.9212	0.7800	0.6337
	0.5033	0.1583	-3.5471E-02	-0.2325	-0.3556	-0.5163	-0.6904	-0.8605	-1.067	-1.298
	-1.522	-1.749	-1.982	-2.222	-2.470	-2.728	-2.994	-3.271	-3.558	-3.856
	-4.165	-4.648	-5.345	-6.100	-6.921	-7.815	-8.789	-10.39	-12.96	-16.05
	-19.51	-12.08	-4.906	1.975						
0 22	15.97	10.88	6.741	4.433	3.280	2.815	4.389	4.378	6.390	3.160
	2.229	2.057	1.956	1.849	1.734	1.613	1.485	1.347	1.191	1.006
	0.7920	0.6270	0.3909	5.9093E-02	-0.1577	-0.3596	-0.5661	-0.7707	-0.9815	-1.209
	-1.439	-1.673	-1.913	-2.159	-2.412	-2.674	-2.944	-3.224	-3.513	-3.813
	-4.124	-4.609	-5.306	-6.061	-6.881	-7.773	-8.745	-10.34	-12.90	-16.00
	-20.00	-12.05	-4.882	1.974						
0 23	15.96	10.63	6.287	4.094	3.076	2.643	3.089	3.208	8.489	4.616
	3.071	3.064	3.000	2.902	2.790	2.670	2.543	2.401	2.227	1.964
	1.527	1.229	0.9390	0.5785	0.2949	3.5043E-02	-0.2422	-0.4970	-0.7462	-1.007
	-1.261	-1.516	-1.776	-2.039	-2.305	-2.579	-2.858	-3.146	-3.443	-3.749
	-4.065	-4.555	-5.257	-6.014	-6.834	-7.724	-8.694	-10.29	-12.83	-15.90
	-19.29	-11.97	-4.852	1.958						
0 24	15.97	10.39	5.840	3.777	2.890	2.513	2.653	2.764	7.569	7.150
	4.448	4.993	4.971	4.872	4.760	4.643	4.521	4.386	4.213	3.873
	2.845	2.448	2.083	1.453	1.080	0.7488	0.3217	-4.7604E-03	-0.3082	-0.6483
	-0.9500	-1.241	-1.546	-1.838	-2.128	-2.428	-2.727	-3.030	-3.343	-3.663
	-3.989	-4.490	-5.203	-5.967	-6.790	-7.680	-8.648	-10.24	-12.77	-15.82
	-18.98	-11.90	-4.826	1.973						
0 25	15.97	10.22	5.501	3.544	2.756	2.426	2.454	2.531	5.695	10.05
	5.778	7.128	7.074	6.963	6.851	6.738	6.621	6.497	6.348	6.045
	4.135	3.768	3.384	2.346	1.923	1.543	0.9129	0.5266	0.1771	-0.2671
	-0.6149	-0.9404	-1.301	-1.626	-1.940	-2.270	-2.590	-2.910	-3.242	-3.577
	-3.916	-4.429	-5.155	-5.928	-6.755	-7.645	-8.614	-10.20	-12.73	-15.77
	-18.89	-11.87	-4.807	1.975						
0 26	15.97	10.03	5.116	3.290	2.613	2.337	2.310	2.350	4.486	9.924
	7.629	5.280	4.975	4.826	4.705	4.588	4.470	4.351	4.245	4.280
	5.880	5.882	5.583	3.655	3.270	2.870	1.818	1.379	0.9811	0.3301
	-7.7459E-02	-0.4489	-0.9156	-1.287	-1.636	-2.023	-2.375	-2.721	-3.087	-3.447
	-3.807	-4.340	-5.088	-5.877	-6.711	-7.604	-8.575	-10.17	-12.69	-15.73
	-18.94	-11.83	-4.788	1.976						
0 27	15.97	9.818	4.682	3.015	2.461	2.246	2.199	2.209	3.593	6.664
	5.333	3.947	3.624	3.461	3.335	3.217	3.099	2.985	2.899	2.965
	3.671	3.748	3.812	5.421	5.410	5.097	3.141	2.739	2.320	1.242
	0.7820	0.3618	-0.3139	-0.7453	-1.142	-1.635	-2.035	-2.417	-2.844	-3.246
	-3.642	-4.205	-4.992	-5.806	-6.656	-7.553	-8.528	-10.12	-12.64	-15.68
	-19.10	-11.80	-4.768	1.976						
0 28	15.97	9.591	4.192	2.720	2.301	2.153	2.109	2.096	2.958	4.653
	3.869	3.028	2.754	2.595	2.469	2.350	2.233	2.122	2.038	2.059
	2.347	2.399	2.495	3.203	3.267	3.317	4.926	4.900	4.567	2.577
	2.153	1.712	0.6048	0.1200	-0.3254	-1.030	-1.491	-1.922	-2.462	-2.929
	-3.387	-3.994	-4.846	-5.706	-6.580	-7.484	-8.470	-10.07	-12.58	-15.64
	-19.32	-11.77	-4.747	1.976						
0 29	15.97	9.348	3.639	2.406	2.133	2.058	2.031	2.005	2.517	3.426
	2.944	2.412	2.193	2.045	1.922	1.805	1.689	1.577	1.486	1.459
	1.545	1.548	1.591	1.877	1.916	1.997	2.694	2.742	2.775	4.380
	4.335	3.981	1.951	1.503	1.036	-0.1049	-0.6201	-1.102	-1.863	-2.420
	-2.992	-3.659	-4.622	-5.557	-6.471	-7.389	-8.392	-10.01	-12.52	-15.58
	-19.47	-11.72	-4.724	1.976						
0 30	15.97	9.090	3.018	2.074	1.960	1.960	1.960	1.929	2.214	2.680
	2.361	2.004	1.829	1.694	1.576	1.461	1.346	1.233	1.134	1.069
	1.055	1.013	0.9963	1.077	1.067	1.093	1.364	1.385	1.448	2.132
	2.160	2.173	3.774	3.708	3.329	1.254	0.7753	0.2714	-0.9387	-1.595
	-2.380	-3.118	-4.269	-5.328	-6.312	-7.248	-8.284	-9.939	-12.44	-15.50
	-19.20	-11.67	-4.699	1.976						
0 31	15.97	8.819	2.319	1.726	1.782	1.861	1.893	1.865	2.005	2.223
	1.992	1.735	1.592	1.469	1.355	1.242	1.128	1.014	0.9073	0.8182
	0.7509	0.6752	0.6130	0.5895	0.5331	0.4999	0.5633	0.5345	0.5422	0.7949
	0.7962	0.8383	1.507	1.513	1.503	3.099	3.007	2.594	0.4352	-0.2340

	-1.447	-2.236	-3.706	-4.969	-6.069	-7.032	-8.127	-9.840	-12.34	-15.40
	-18.86	-11.60	-4.673	1.976						
0 32	15.97	8.536	1.538	1.365	1.600	1.761	1.828	1.809	1.859	1.939
	1.756	1.557	1.435	1.322	1.212	1.101	0.9877	0.8733	0.7611	0.6566
	0.5607	0.4616	0.3684	0.2895	0.1983	0.1190	7.7398E-02	2.1896E-03	-5.0461E-02	-6.6033E-03
	-5.6203E-02	-6.9668E-02	0.1630	0.1416	0.1606	0.8115	0.7923	0.7537	2.326	2.057
	-7.4881E-02	-0.7908	-2.804	-4.401	-5.691	-6.689	-7.888	-9.705	-12.21	-15.29
	-18.56	-11.53	-4.646	1.976						
0 33	15.96	8.248	0.6696	0.9969	1.417	1.659	1.764	1.757	1.754	1.759
	1.602	1.438	1.329	1.223	1.117	1.008	0.8960	0.7810	0.6653	0.5515
	0.4398	0.3255	0.2122	0.1029	-1.2302E-02	-0.1231	-0.2204	-0.3306	-0.4296	-0.4913
	-0.5875	-0.6617	-0.6395	-0.7122	-0.7493	-0.5390	-0.5852	-0.5887	6.2406E-02	0.1743
	1.800	1.571	-1.365	-3.494	-5.096	-6.131	-7.514	-9.507	-12.02	-15.16
	-18.36	-11.46	-4.617	1.976						
0 34	15.96	7.958	-0.2783	0.6264	1.232	1.557	1.701	1.710	1.677	1.640
	1.499	1.355	1.256	1.156	1.052	0.9454	0.8342	0.7190	0.6012	0.4820
	0.3615	0.2376	0.1119	-1.4611E-02	-0.1456	-0.2767	-0.4045	-0.5389	-0.6694	-0.7869
	-0.9181	-1.039	-1.123	-1.242	-1.340	-1.342	-1.438	-1.494	-1.274	-1.185
	-0.5327	-0.6220	0.9049	-2.044	-4.156	-5.210	-6.919	-9.209	-11.73	-14.99
	-18.25	-11.38	-4.586	1.976						
0 35	15.96	7.674	-1.278	0.2618	1.049	1.455	1.639	1.666	1.617	1.559
	1.427	1.296	1.204	1.107	1.007	0.9012	0.7909	0.6760	0.5571	0.4349
	0.3093	0.1797	4.6551E-02	-8.9863E-02	-0.2308	-0.3745	-0.5196	-0.6698	-0.8205	-0.9686
	-1.124	-1.276	-1.416	-1.570	-1.714	-1.822	-1.965	-2.081	-2.077	-2.089
	-1.895	-2.023	-1.325	0.2534	-2.673	-3.682	-5.961	-8.746	-11.28	-14.77
	-18.19	-11.28	-4.553	1.977						
0 36	15.96	7.404	-2.252	-8.7352E-02	0.8690	1.354	1.578	1.623	1.568	1.500
	1.375	1.252	1.164	1.071	0.9725	0.8685	0.7592	0.6447	0.5254	0.4017
	0.2735	0.1405	2.9610E-03	-0.1391	-0.2861	-0.4374	-0.5925	-0.7526	-0.9158	-1.081
	-1.252	-1.424	-1.594	-1.772	-1.948	-2.111	-2.289	-2.451	-2.561	-2.664
	-2.693	-2.900	-2.718	-1.994	-0.3597	-1.157	-4.416	-8.011	-10.54	-14.43
	-18.07	-11.16	-4.518	1.978						
0 37	15.98	7.159	-3.016	-0.4107	0.6926	1.253	1.517	1.582	1.526	1.454
	1.335	1.218	1.133	1.042	0.9456	0.8430	0.7347	0.6208	0.5016	0.3772
	0.2477	0.1130	-2.7014E-02	-0.1722	-0.3228	-0.4785	-0.6392	-0.8053	-0.9761	-1.151
	-1.332	-1.516	-1.703	-1.897	-2.092	-2.285	-2.486	-2.681	-2.854	-3.020
	-3.160	-3.439	-3.570	-3.385	-2.739	-3.391	-1.952	-6.831	-9.316	-13.90
	-17.69	-11.00	-4.479	1.986						
0 38	15.96	6.834	-3.246	-0.8478	0.4352	1.105	1.428	1.522	1.470	1.398
	1.286	1.175	1.094	1.007	0.9124	0.8117	0.7049	0.5921	0.4734	0.3489
	0.2187	8.2679E-02	-5.9104E-02	-0.2067	-0.3602	-0.5196	-0.6849	-0.8563	-1.034	-1.217
	-1.406	-1.601	-1.802	-2.010	-2.223	-2.440	-2.664	-2.890	-3.115	-3.340
	-3.566	-3.925	-4.335	-4.640	-4.827	-5.469	-5.343	-4.041	-6.313	-12.64
	-15.99	-10.65	-4.416	1.978						
0 39	15.98	6.479	-3.265	-1.341	0.1165	0.9173	1.312	1.445	1.406	1.340
	1.235	1.131	1.053	0.9688	0.8772	0.7789	0.6741	0.5629	0.4454	0.3218
	0.1921	5.6258E-02	-8.5690E-02	-0.2338	-0.3881	-0.5487	-0.7157	-0.8891	-1.069	-1.255
	-1.449	-1.649	-1.856	-2.070	-2.291	-2.519	-2.755	-2.997	-3.245	-3.499
	-3.760	-4.166	-4.713	-5.253	-5.800	-6.511	-7.013	-7.473	-9.694	-8.509
	-11.05	-9.704	-4.314	1.988						
0 40	15.95	5.976	-3.914	-2.039	-0.3238	0.6539	1.149	1.336	1.319	1.264
	1.170	1.072	0.9996	0.9190	0.8311	0.7360	0.6340	0.5253	0.4100	0.2883
	0.1601	2.5633E-02	-0.1152	-0.2625	-0.4162	-0.5763	-0.7431	-0.9165	-1.097	-1.284
	-1.478	-1.680	-1.888	-2.105	-2.329	-2.562	-2.802	-3.051	-3.309	-3.576
	-3.852	-4.282	-4.893	-5.544	-6.243	-7.016	-7.812	-9.060	-11.30	-13.30
	-15.57	-6.580	-4.138	1.978						
0 41	15.95	5.276	-6.952	-2.956	-0.7911	0.3704	0.9643	1.210	1.219	1.177
	1.095	1.005	0.9374	0.8613	0.7774	0.6860	0.5874	0.4819	0.3695	0.2504
	0.1247	-7.4987E-03	-0.1462	-0.2915	-0.4432	-0.6016	-0.7665	-0.9382	-1.117	-1.302
	-1.495	-1.695	-1.902	-2.117	-2.340	-2.571	-2.810	-3.058	-3.315	-3.581
	-3.857	-4.287	-4.902	-5.565	-6.281	-7.057	-7.895	-9.260	-11.48	-14.14
	-17.80	-10.04	-4.135	1.978						
0 42	15.95	5.049	-6.280	-3.312	-1.073	0.1736	0.8231	1.106	1.134	1.103
	1.030	0.9473	0.8831	0.8106	0.7301	0.6419	0.5463	0.4435	0.3337	0.2171
	9.3694E-02	-3.6341E-02	-0.1730	-0.3162	-0.4660	-0.6223	-0.7854	-0.9551	-1.132	-1.315
	-1.506	-1.703	-1.908	-2.121	-2.341	-2.569	-2.806	-3.051	-3.304	-3.567
	-3.839	-4.263	-4.869	-5.521	-6.223	-6.982	-7.803	-9.146	-11.30	-13.95
	-16.85	-10.28	-4.028	1.978						
0 43	15.95	4.930	-7.817	-3.495	-1.177	6.9543E-02	0.7285	1.026	1.066	1.042
	0.9763	0.8980	0.8369	0.7673	0.6895	0.6039	0.5108	0.4104	0.3028	0.1882
	6.6886E-02	-6.1205E-02	-0.1960	-0.3373	-0.4853	-0.6399	-0.8011	-0.9689	-1.144	-1.325
	-1.514	-1.709	-1.912	-2.122	-2.340	-2.565	-2.798	-3.040	-3.290	-3.549

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        -3.816      -4.233      -4.826      -5.463      -6.147      -6.883      -7.676      -8.967      -11.03      -13.65
        -17.45      -10.09      -3.861       1.979
0 44     15.95       5.322      -5.766      -3.075      -1.081   5.5293E-02   0.6785      0.9708       1.014      0.9949
        0.9331      0.8581      0.7991      0.7316      0.6559      0.5724      0.4812      0.3827      0.2769      0.1641
        4.4461E-02 -8.1981E-02 -0.2151     -0.3549     -0.5013     -0.6543     -0.8138     -0.9801     -1.153      -1.333
        -1.519      -1.713      -1.913      -2.121      -2.337      -2.559      -2.790      -3.028      -3.275      -3.530
        -3.793      -4.202      -4.783      -5.405      -6.069      -6.779      -7.540      -8.768      -10.69      -13.05
        -15.73      -9.546      -3.632       1.980
0 45     15.95       5.835      -5.779      -2.490      -0.8399      0.1120      0.6653      0.9366      0.9782      0.9599
        0.9001      0.8272      0.7696      0.7036      0.6295      0.5474      0.4577      0.3606      0.2562      0.1448
        2.6531E-02 -9.8581E-02 -0.2304     -0.3689     -0.5140     -0.6656     -0.8239     -0.9887     -1.160      -1.338
        -1.523      -1.715      -1.914      -2.120      -2.333      -2.553      -2.781      -3.017      -3.260      -3.512
        -3.771      -4.173      -4.744      -5.350      -5.995      -6.680      -7.407      -8.565      -10.32      -12.42
        -15.53      -8.965      -3.368       1.981
0 46     15.98       6.817      -1.795      -1.382      -0.4897      0.2117      0.6765      0.9189      0.9552      0.9359
        0.8768      0.8049      0.7482      0.6831      0.6099      0.5289      0.4402      0.3441      0.2408      0.1304
        1.3128E-02 -0.1110     -0.2418     -0.3793     -0.5234     -0.6740     -0.8312     -0.9950     -1.165      -1.342
        -1.526      -1.717      -1.914      -2.118      -2.330      -2.548      -2.774      -3.007      -3.248      -3.496
        -3.752      -4.149      -4.710      -5.304      -5.932      -6.594      -7.289      -8.379      -9.935      -11.53
        -12.73      -8.121      -3.082       1.990
0 47     15.96       8.080       1.751      5.3637E-02  7.5581E-03  0.3655      0.7077      0.9086      0.9358      0.9141
        0.8547      0.7835      0.7274      0.6631      0.5907      0.5106      0.4229      0.3278      0.2255      0.1161
       -2.1255E-04 -0.1233     -0.2531     -0.3896     -0.5327     -0.6823     -0.8384     -1.001      -1.170      -1.346
        -1.528      -1.718      -1.913      -2.116      -2.326      -2.542      -2.766      -2.996      -3.234      -3.480
        -3.732      -4.123      -4.673      -5.253      -5.862      -6.498      -7.154      -8.159      -9.465      -10.44
        -10.28      -7.082      -2.720       1.983
1                    HEAD IN LAYER  2 AT END OF TIME STEP  1 IN STRESS PERIOD  2
          ----------------------------------------------------------------

            1           2           3           4           5           6           7           8           9          10
           11          12          13          14          15          16          17          18          19          20
           21          22          23          24          25          26          27          28          29          30
           31          32          33          34          35          36          37          38          39          40
           41          42          43          44          45          46          47          48          49          50
           51          52          53          54
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0  1     15.98       2.228      -8.929      -10.31      -9.075      -7.371      -5.858      -4.714      -4.147      -3.861
        -3.661      -3.573      -3.534      -3.514      -3.512      -3.529      -3.563      -3.614      -3.683      -3.768
        -3.869      -3.986      -4.119      -4.268      -4.432      -4.611      -4.806      -5.016      -5.242      -5.483
        -5.739      -6.010      -6.297      -6.600      -6.918      -7.253      -7.603      -7.969      -8.352      -8.752
        -9.168      -9.817      -10.75      -11.75      -12.82      -13.94      -15.12      -16.95      -19.41      -21.39
        -21.49      -15.16      -6.876       1.989
0  2     15.96      -0.7136     -19.33      -13.54      -10.10      -7.653      -5.890      -4.670      -4.091      -3.804
        -3.607      -3.522      -3.485      -3.468      -3.469      -3.488      -3.525      -3.579      -3.651      -3.738
        -3.842      -3.962      -4.098      -4.249      -4.416      -4.598      -4.795      -5.008      -5.236      -5.480
        -5.739      -6.014      -6.305      -6.611      -6.934      -7.273      -7.628      -8.001      -8.390      -8.797
        -9.221      -9.884      -10.84      -11.87      -12.98      -14.17      -15.44      -17.46      -20.48      -23.93
        -28.56      -17.59      -7.703       1.976
0  3     15.98      -1.786      -19.47      -14.74      -10.56      -7.715      -5.809      -4.557      -3.985      -3.705
        -3.518      -3.441      -3.409      -3.397      -3.403      -3.427      -3.469      -3.527      -3.603      -3.694
        -3.802      -3.926      -4.065      -4.220      -4.391      -4.577      -4.778      -4.994      -5.227      -5.474
        -5.738      -6.017      -6.312      -6.624      -6.952      -7.298      -7.660      -8.040      -8.437      -8.853
        -9.288      -9.969      -10.96      -12.03      -13.19      -14.44      -15.80      -18.00      -21.43      -25.48
        -29.50      -19.02      -8.368       1.987
0  4     15.98      -2.635      -25.41      -15.58      -10.68      -7.643      -5.691      -4.445      -3.888      -3.619
        -3.443      -3.373      -3.346      -3.338      -3.349      -3.377      -3.422      -3.484      -3.563      -3.658
        -3.769      -3.896      -4.038      -4.196      -4.370      -4.558      -4.763      -4.982      -5.217      -5.468
        -5.735      -6.018      -6.317      -6.633      -6.965      -7.315      -7.682      -8.068      -8.472      -8.895
        -9.337      -10.03      -11.04      -12.14      -13.34      -14.64      -16.05      -18.37      -22.07      -26.71
        -33.96      -20.17      -8.808       1.987
0  5     15.98      -2.565      -22.00      -15.39      -10.48      -7.421      -5.496      -4.292      -3.762      -3.511
        -3.350      -3.291      -3.270      -3.268      -3.284      -3.317      -3.367      -3.434      -3.517      -3.616
        -3.731      -3.861      -4.007      -4.168      -4.344      -4.536      -4.744      -4.967      -5.205      -5.460
        -5.730      -6.017      -6.320      -6.640      -6.977      -7.332      -7.705      -8.096      -8.507      -8.937
        -9.388      -10.10      -11.13      -12.25      -13.49      -14.83      -16.30      -18.72      -22.65      -27.50
        -32.81      -20.86      -9.181       1.986
0  6     15.98      -2.392      -25.35      -14.96      -9.965      -7.034      -5.220      -4.096      -3.610      -3.383
        -3.243      -3.196      -3.183      -3.188      -3.210      -3.249      -3.305      -3.377      -3.464      -3.568
        -3.686      -3.821      -3.970      -4.135      -4.315      -4.510      -4.721      -4.948      -5.190      -5.448
        -5.722      -6.013      -6.320      -6.644      -6.986      -7.346      -7.725      -8.123      -8.540      -8.978
        -9.436      -10.16      -11.21      -12.37      -13.63      -15.02      -16.54      -19.05      -23.16      -28.37
        -36.22      -21.65      -9.505       1.986
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0 7	15.98	-1.192	-19.55	-13.37	-9.081	-6.485	-4.867	-3.864	-3.435	-3.238
	-3.122	-3.090	-3.087	-3.100	-3.129	-3.175	-3.237	-3.314	-3.407	-3.515
	-3.638	-3.776	-3.929	-4.098	-4.282	-4.481	-4.695	-4.925	-5.171	-5.432
	-5.710	-6.005	-6.317	-6.645	-6.992	-7.357	-7.741	-8.145	-8.569	-9.013
	-9.480	-10.21	-11.29	-12.47	-13.76	-15.18	-16.75	-19.34	-23.57	-28.79
	-34.37	-21.99	-9.745	1.985						
0 8	15.98	0.1941	-20.12	-11.49	-7.912	-5.804	-4.455	-3.603	-3.242	-3.081
	-2.993	-2.978	-2.984	-3.006	-3.043	-3.096	-3.164	-3.247	-3.345	-3.458
	-3.585	-3.728	-3.885	-4.057	-4.245	-4.447	-4.665	-4.898	-5.148	-5.413
	-5.695	-5.993	-6.309	-6.642	-6.993	-7.363	-7.752	-8.161	-8.591	-9.042
	-9.516	-10.26	-11.35	-12.55	-13.87	-15.33	-16.93	-19.58	-23.91	-29.33
	-37.26	-22.47	-9.939	1.985						
0 9	15.98	2.610	-10.39	-8.501	-6.507	-5.041	-4.010	-3.329	-3.042	-2.918
	-2.859	-2.861	-2.877	-2.908	-2.954	-3.014	-3.089	-3.177	-3.281	-3.398
	-3.530	-3.677	-3.838	-4.014	-4.204	-4.410	-4.631	-4.868	-5.120	-5.389
	-5.674	-5.976	-6.295	-6.632	-6.988	-7.362	-7.756	-8.170	-8.605	-9.062
	-9.542	-10.30	-11.41	-12.62	-13.97	-15.44	-17.07	-19.77	-24.15	-29.47
	-34.97	-22.55	-10.06	1.985						
0 10	15.97	4.847	-4.548	-5.686	-5.091	-4.272	-3.565	-3.058	-2.844	-2.757
	-2.727	-2.746	-2.772	-2.812	-2.865	-2.932	-3.013	-3.107	-3.215	-3.338
	-3.474	-3.624	-3.788	-3.968	-4.161	-4.370	-4.594	-4.834	-5.089	-5.360
	-5.649	-5.953	-6.276	-6.616	-6.975	-7.353	-7.751	-8.169	-8.609	-9.071
	-9.556	-10.32	-11.44	-12.68	-14.04	-15.53	-17.18	-19.91	-24.34	-29.79
	-37.43	-22.82	-10.17	1.970						
0 11	15.99	6.151	-1.810	-3.992	-4.153	-3.747	-3.259	-2.869	-2.705	-2.644
	-2.633	-2.663	-2.696	-2.742	-2.801	-2.872	-2.957	-3.055	-3.167	-3.292
	-3.431	-3.583	-3.750	-3.931	-4.127	-4.338	-4.564	-4.805	-5.062	-5.335
	-5.625	-5.932	-6.257	-6.599	-6.960	-7.340	-7.741	-8.162	-8.604	-9.069
	-9.557	-10.33	-11.46	-12.70	-14.07	-15.58	-17.24	-19.99	-24.43	-29.78
	-35.30	-22.79	-10.21	1.985						
0 12	15.99	6.887	-0.3722	-3.017	-3.590	-3.426	-3.069	-2.751	-2.617	-2.572
	-2.573	-2.610	-2.647	-2.697	-2.759	-2.833	-2.921	-3.021	-3.135	-3.262
	-3.402	-3.557	-3.725	-3.907	-4.104	-4.316	-4.543	-4.785	-5.043	-5.317
	-5.608	-5.916	-6.242	-6.586	-6.948	-7.330	-7.731	-8.154	-8.598	-9.064
	-9.554	-10.33	-11.46	-12.71	-14.08	-15.60	-17.27	-20.03	-24.49	-29.82
	-35.07	-22.81	-10.23	1.985						
0 13	15.99	7.496	0.7537	-2.197	-3.097	-3.140	-2.897	-2.642	-2.536	-2.504
	-2.516	-2.560	-2.600	-2.653	-2.718	-2.796	-2.885	-2.988	-3.103	-3.232
	-3.374	-3.530	-3.699	-3.883	-4.081	-4.293	-4.521	-4.764	-5.023	-5.298
	-5.590	-5.899	-6.226	-6.570	-6.934	-7.316	-7.719	-8.143	-8.588	-9.056
	-9.548	-10.32	-11.46	-12.71	-14.09	-15.61	-17.29	-20.05	-24.53	-29.91
	-36.00	-22.90	-10.26	1.985						
0 14	15.99	7.982	1.621	-1.530	-2.683	-2.894	-2.747	-2.545	-2.462	-2.442
	-2.463	-2.512	-2.556	-2.612	-2.679	-2.759	-2.851	-2.955	-3.072	-3.203
	-3.346	-3.503	-3.673	-3.858	-4.057	-4.270	-4.499	-4.743	-5.002	-5.278
	-5.571	-5.880	-6.208	-6.553	-6.917	-7.301	-7.705	-8.130	-8.576	-9.045
	-9.538	-10.31	-11.45	-12.71	-14.09	-15.62	-17.30	-20.07	-24.56	-30.03
	-38.19	-23.01	-10.28	1.985						
0 15	15.99	8.355	2.267	-1.012	-2.350	-2.692	-2.620	-2.460	-2.396	-2.386
	-2.414	-2.468	-2.514	-2.572	-2.642	-2.724	-2.818	-2.924	-3.042	-3.174
	-3.318	-3.476	-3.648	-3.833	-4.033	-4.247	-4.476	-4.720	-4.980	-5.257
	-5.550	-5.860	-6.188	-6.534	-6.899	-7.283	-7.688	-8.113	-8.560	-9.031
	-9.524	-10.30	-11.44	-12.70	-14.09	-15.62	-17.30	-20.08	-24.58	-30.02
	-36.35	-23.01	-10.29	1.985						
0 16	15.99	8.620	2.719	-0.6369	-2.104	-2.538	-2.518	-2.388	-2.338	-2.336
	-2.370	-2.427	-2.476	-2.536	-2.607	-2.691	-2.786	-2.893	-3.013	-3.145
	-3.290	-3.449	-3.622	-3.808	-4.008	-4.223	-4.452	-4.697	-4.957	-5.234
	-5.528	-5.838	-6.166	-6.513	-6.878	-7.263	-7.668	-8.094	-8.542	-9.012
	-9.507	-10.29	-11.43	-12.69	-14.08	-15.61	-17.29	-20.07	-24.58	-30.02
	-35.80	-23.01	-10.30	1.985						
0 17	15.99	8.782	2.994	-0.4023	-1.944	-2.433	-2.443	-2.331	-2.290	-2.293
	-2.332	-2.391	-2.441	-2.502	-2.575	-2.659	-2.755	-2.863	-2.984	-3.117
	-3.263	-3.423	-3.596	-3.783	-3.983	-4.198	-4.428	-4.673	-4.934	-5.210
	-5.504	-5.815	-6.143	-6.490	-6.855	-7.240	-7.645	-8.072	-8.520	-8.991
	-9.486	-10.26	-11.41	-12.67	-14.06	-15.59	-17.27	-20.06	-24.57	-30.06
	-36.48	-23.05	-10.30	1.985						
0 18	15.99	8.846	3.101	-0.3051	-1.872	-2.380	-2.395	-2.288	-2.251	-2.257
	-2.298	-2.359	-2.410	-2.471	-2.545	-2.629	-2.726	-2.835	-2.956	-3.090
	-3.236	-3.396	-3.570	-3.757	-3.958	-4.173	-4.403	-4.648	-4.909	-5.186
	-5.479	-5.790	-6.118	-6.465	-6.830	-7.215	-7.620	-8.047	-8.495	-8.966
	-9.460	-10.24	-11.38	-12.65	-14.03	-15.56	-17.25	-20.03	-24.55	-30.09
	-38.47	-23.09	-10.29	1.985						

0 19	15.99	8.813	3.044	-0.3442	-1.888	-2.379	-2.376	-2.260	-2.222	-2.229
	-2.271	-2.331	-2.382	-2.444	-2.517	-2.602	-2.699	-2.807	-2.929	-3.063
	-3.210	-3.370	-3.544	-3.731	-3.932	-4.148	-4.377	-4.622	-4.883	-5.160
	-5.453	-5.763	-6.091	-6.438	-6.803	-7.187	-7.592	-8.019	-8.466	-8.937
	-9.432	-10.21	-11.35	-12.61	-14.00	-15.53	-17.21	-20.00	-24.50	-30.00
	-36.45	-23.01	-10.27	1.985						
0 20	15.99	8.682	2.821	-0.5200	-1.992	-2.431	-2.387	-2.250	-2.204	-2.208
	-2.249	-2.308	-2.359	-2.420	-2.492	-2.577	-2.673	-2.781	-2.903	-3.036
	-3.183	-3.344	-3.518	-3.705	-3.906	-4.121	-4.351	-4.596	-4.856	-5.132
	-5.425	-5.735	-6.063	-6.409	-6.773	-7.158	-7.562	-7.988	-8.435	-8.905
	-9.399	-10.18	-11.32	-12.58	-13.96	-15.49	-17.17	-19.95	-24.45	-29.91
	-35.73	-22.93	-10.25	1.985						
0 21	15.99	8.449	2.423	-0.8344	-2.183	-2.534	-2.431	-2.260	-2.196	-2.196
	-2.234	-2.291	-2.340	-2.399	-2.471	-2.554	-2.649	-2.757	-2.877	-3.011
	-3.158	-3.318	-3.491	-3.679	-3.879	-4.094	-4.324	-4.568	-4.828	-5.104
	-5.397	-5.706	-6.033	-6.378	-6.742	-7.126	-7.529	-7.954	-8.401	-8.870
	-9.363	-10.14	-11.28	-12.54	-13.92	-15.44	-17.12	-19.89	-24.38	-29.85
	-36.25	-22.89	-10.22	1.985						
0 22	15.99	8.112	1.832	-1.290	-2.459	-2.687	-2.519	-2.304	-2.201	-2.192
	-2.225	-2.279	-2.325	-2.383	-2.453	-2.534	-2.628	-2.735	-2.854	-2.987
	-3.133	-3.292	-3.465	-3.652	-3.852	-4.067	-4.296	-4.540	-4.799	-5.075
	-5.367	-5.675	-6.001	-6.346	-6.709	-7.091	-7.494	-7.918	-8.363	-8.831
	-9.323	-10.10	-11.23	-12.49	-13.87	-15.38	-17.05	-19.81	-24.29	-29.79
	-38.07	-22.85	-10.18	1.985						
0 23	15.98	7.664	1.025	-1.892	-2.816	-2.888	-2.638	-2.369	-2.227	-2.200
	-2.226	-2.274	-2.318	-2.373	-2.440	-2.519	-2.611	-2.716	-2.833	-2.965
	-3.110	-3.268	-3.440	-3.626	-3.826	-4.040	-4.268	-4.511	-4.770	-5.045
	-5.335	-5.643	-5.968	-6.312	-6.673	-7.055	-7.456	-7.879	-8.323	-8.789
	-9.280	-10.05	-11.19	-12.43	-13.81	-15.32	-16.98	-19.73	-24.18	-29.60
	-35.87	-22.70	-10.13	1.971						
0 24	15.99	7.240	0.2286	-2.454	-3.143	-3.071	-2.746	-2.432	-2.265	-2.217
	-2.235	-2.279	-2.319	-2.372	-2.437	-2.515	-2.604	-2.707	-2.823	-2.953
	-3.096	-3.253	-3.424	-3.609	-3.807	-4.020	-4.248	-4.490	-4.748	-5.022
	-5.312	-5.619	-5.943	-6.285	-6.646	-7.026	-7.426	-7.848	-8.290	-8.756
	-9.245	-10.01	-11.14	-12.39	-13.76	-15.26	-16.92	-19.66	-24.10	-29.47
	-35.17	-22.59	-10.08	1.984						
0 25	15.99	6.927	-0.3754	-2.867	-3.378	-3.202	-2.823	-2.477	-2.297	-2.234
	-2.245	-2.286	-2.325	-2.376	-2.440	-2.516	-2.604	-2.706	-2.820	-2.948
	-3.090	-3.246	-3.415	-3.599	-3.796	-4.008	-4.235	-4.477	-4.734	-5.007
	-5.296	-5.602	-5.926	-6.267	-6.627	-7.007	-7.406	-7.826	-8.268	-8.733
	-9.221	-9.989	-11.12	-12.36	-13.72	-15.22	-16.88	-19.61	-24.03	-29.39
	-35.01	-22.52	-10.05	1.985						
0 26	15.99	6.583	-1.061	-3.316	-3.630	-3.342	-2.905	-2.526	-2.333	-2.258
	-2.260	-2.300	-2.337	-2.387	-2.449	-2.523	-2.610	-2.710	-2.823	-2.949
	-3.088	-3.241	-3.409	-3.591	-3.787	-3.998	-4.224	-4.465	-4.721	-4.993
	-5.281	-5.586	-5.909	-6.250	-6.609	-6.987	-7.386	-7.805	-8.246	-8.709
	-9.196	-9.962	-11.09	-12.33	-13.69	-15.18	-16.83	-19.56	-23.97	-29.32
	-35.15	-22.47	-10.02	1.985						
0 27	15.99	6.208	-1.836	-3.803	-3.899	-3.490	-2.991	-2.578	-2.373	-2.289
	-2.283	-2.318	-2.354	-2.401	-2.461	-2.534	-2.620	-2.718	-2.830	-2.954
	-3.091	-3.243	-3.408	-3.588	-3.782	-3.991	-4.215	-4.454	-4.709	-4.980
	-5.267	-5.571	-5.893	-6.232	-6.590	-6.968	-7.365	-7.783	-8.223	-8.685
	-9.170	-9.935	-11.06	-12.29	-13.65	-15.14	-16.79	-19.50	-23.90	-29.26
	-35.59	-22.42	-9.985	1.985						
0 28	15.99	5.803	-2.713	-4.326	-4.181	-3.645	-3.081	-2.632	-2.415	-2.325
	-2.309	-2.341	-2.374	-2.419	-2.477	-2.548	-2.632	-2.729	-2.839	-2.962
	-3.098	-3.248	-3.412	-3.589	-3.781	-3.988	-4.210	-4.447	-4.700	-4.969
	-5.255	-5.557	-5.878	-6.216	-6.572	-6.949	-7.345	-7.761	-8.200	-8.661
	-9.145	-9.907	-11.03	-12.26	-13.61	-15.10	-16.74	-19.44	-23.82	-29.19
	-36.36	-22.37	-9.949	1.985						
0 29	15.99	5.367	-3.705	-4.884	-4.476	-3.807	-3.174	-2.689	-2.459	-2.363
	-2.339	-2.365	-2.395	-2.439	-2.495	-2.564	-2.646	-2.741	-2.850	-2.971
	-3.106	-3.255	-3.417	-3.594	-3.784	-3.990	-4.209	-4.445	-4.696	-4.962
	-5.246	-5.546	-5.865	-6.201	-6.556	-6.931	-7.325	-7.740	-8.177	-8.636
	-9.119	-9.878	-10.99	-12.22	-13.57	-15.05	-16.69	-19.38	-23.75	-29.11
	-37.47	-22.31	-9.911	1.985						
0 30	15.99	4.904	-4.828	-5.473	-4.782	-3.973	-3.270	-2.748	-2.505	-2.402
	-2.370	-2.391	-2.419	-2.459	-2.513	-2.581	-2.661	-2.755	-2.862	-2.982
	-3.116	-3.263	-3.425	-3.600	-3.789	-3.994	-4.212	-4.446	-4.695	-4.960
	-5.242	-5.540	-5.856	-6.189	-6.542	-6.915	-7.307	-7.720	-8.155	-8.613
	-9.093	-9.850	-10.96	-12.18	-13.53	-15.01	-16.63	-19.32	-23.67	-28.99
	-36.18	-22.22	-9.870	1.985						

0 31	15.99	4.415	-6.100	-6.091	-5.096	-4.145	-3.369	-2.808	-2.551	-2.442
	-2.402	-2.418	-2.443	-2.481	-2.533	-2.598	-2.677	-2.769	-2.875	-2.994
	-3.127	-3.273	-3.433	-3.607	-3.796	-3.999	-4.216	-4.449	-4.697	-4.961
	-5.241	-5.538	-5.851	-6.183	-6.533	-6.902	-7.292	-7.703	-8.135	-8.590
	-9.069	-9.822	-10.93	-12.15	-13.49	-14.96	-16.58	-19.26	-23.58	-28.87
	-35.25	-22.11	-9.826	1.985						
0 32	15.98	3.905	-7.546	-6.733	-5.417	-4.319	-3.470	-2.870	-2.599	-2.482
	-2.434	-2.446	-2.468	-2.504	-2.553	-2.617	-2.694	-2.784	-2.889	-3.006
	-3.138	-3.283	-3.442	-3.615	-3.803	-4.005	-4.222	-4.453	-4.700	-4.963
	-5.242	-5.537	-5.849	-6.180	-6.528	-6.895	-7.282	-7.690	-8.119	-8.570
	-9.046	-9.795	-10.90	-12.11	-13.44	-14.91	-16.52	-19.19	-23.49	-28.73
	-34.63	-21.99	-9.781	1.985						
0 33	15.98	3.380	-9.192	-7.390	-5.741	-4.496	-3.572	-2.933	-2.646	-2.522
	-2.467	-2.474	-2.493	-2.526	-2.574	-2.635	-2.711	-2.800	-2.902	-3.019
	-3.149	-3.293	-3.451	-3.624	-3.810	-4.011	-4.227	-4.458	-4.704	-4.966
	-5.244	-5.538	-5.849	-6.178	-6.525	-6.890	-7.275	-7.681	-8.107	-8.555
	-9.026	-9.770	-10.87	-12.07	-13.40	-14.86	-16.47	-19.12	-23.40	-28.60
	-34.32	-21.89	-9.733	1.985						
0 34	15.98	2.851	-11.07	-8.054	-6.067	-4.674	-3.675	-2.996	-2.694	-2.563
	-2.500	-2.502	-2.519	-2.550	-2.595	-2.654	-2.728	-2.815	-2.917	-3.032
	-3.161	-3.304	-3.461	-3.632	-3.818	-4.018	-4.233	-4.463	-4.709	-4.969
	-5.246	-5.540	-5.850	-6.177	-6.523	-6.886	-7.270	-7.673	-8.097	-8.543
	-9.011	-9.751	-10.84	-12.04	-13.36	-14.81	-16.41	-19.05	-23.30	-28.48
	-34.31	-21.78	-9.684	1.985						
0 35	15.98	2.328	-13.23	-8.710	-6.390	-4.852	-3.779	-3.060	-2.743	-2.603
	-2.533	-2.531	-2.544	-2.573	-2.616	-2.674	-2.745	-2.831	-2.931	-3.045
	-3.173	-3.314	-3.471	-3.641	-3.826	-4.025	-4.239	-4.469	-4.713	-4.973
	-5.249	-5.541	-5.850	-6.177	-6.521	-6.884	-7.265	-7.667	-8.089	-8.533
	-8.999	-9.734	-10.81	-12.00	-13.31	-14.76	-16.35	-18.97	-23.20	-28.36
	-34.60	-21.69	-9.634	1.986						
0 36	15.98	1.830	-15.71	-9.341	-6.709	-5.029	-3.882	-3.124	-2.791	-2.643
	-2.566	-2.559	-2.570	-2.596	-2.637	-2.693	-2.763	-2.847	-2.945	-3.058
	-3.184	-3.325	-3.480	-3.650	-3.834	-4.032	-4.245	-4.474	-4.717	-4.977
	-5.252	-5.543	-5.851	-6.177	-6.520	-6.881	-7.261	-7.662	-8.082	-8.524
	-8.988	-9.719	-10.79	-11.97	-13.28	-14.71	-16.29	-18.90	-23.10	-28.23
	-35.20	-21.58	-9.582	1.986						
0 37	15.99	1.379	-18.58	-9.923	-7.020	-5.204	-3.985	-3.187	-2.839	-2.682
	-2.599	-2.587	-2.596	-2.619	-2.658	-2.712	-2.780	-2.863	-2.960	-3.071
	-3.196	-3.336	-3.490	-3.658	-3.841	-4.039	-4.251	-4.479	-4.722	-4.980
	-5.254	-5.545	-5.852	-6.176	-6.518	-6.878	-7.257	-7.656	-8.075	-8.515
	-8.977	-9.705	-10.77	-11.95	-13.24	-14.67	-16.23	-18.82	-23.00	-28.10
	-36.15	-21.47	-9.528	1.992						
0 38	15.98	0.8188	-16.91	-10.67	-7.473	-5.463	-4.138	-3.282	-2.910	-2.741
	-2.648	-2.629	-2.634	-2.654	-2.690	-2.740	-2.806	-2.886	-2.981	-3.090
	-3.214	-3.352	-3.504	-3.671	-3.853	-4.049	-4.260	-4.486	-4.728	-4.985
	-5.258	-5.547	-5.853	-6.175	-6.516	-6.874	-7.251	-7.648	-8.064	-8.502
	-8.961	-9.684	-10.74	-11.91	-13.19	-14.60	-16.15	-18.71	-22.85	-27.84
	-33.95	-21.25	-9.444	1.986						
0 39	15.99	0.2085	-16.24	-11.53	-8.035	-5.792	-4.335	-3.406	-3.003	-2.818
	-2.711	-2.684	-2.684	-2.699	-2.731	-2.778	-2.840	-2.918	-3.010	-3.116
	-3.237	-3.373	-3.523	-3.688	-3.868	-4.062	-4.272	-4.496	-4.736	-4.991
	-5.262	-5.549	-5.853	-6.174	-6.512	-6.868	-7.242	-7.636	-8.049	-8.483
	-8.939	-9.655	-10.71	-11.86	-13.13	-14.52	-16.05	-18.58	-22.65	-27.49
	-32.27	-20.94	-9.331	1.993						
0 40	15.98	-0.6825	-17.29	-12.75	-8.811	-6.252	-4.615	-3.585	-3.137	-2.929
	-2.803	-2.764	-2.757	-2.766	-2.791	-2.833	-2.891	-2.963	-3.051	-3.154
	-3.272	-3.404	-3.551	-3.713	-3.890	-4.081	-4.288	-4.509	-4.746	-4.999
	-5.267	-5.551	-5.852	-6.169	-6.504	-6.856	-7.226	-7.616	-8.024	-8.453
	-8.903	-9.610	-10.65	-11.78	-13.03	-14.40	-15.90	-18.38	-22.37	-27.09
	-31.39	-20.57	-9.164	1.986						
0 41	15.98	-1.991	-24.20	-14.41	-9.635	-6.747	-4.930	-3.794	-3.296	-3.062
	-2.914	-2.862	-2.846	-2.848	-2.866	-2.902	-2.953	-3.020	-3.103	-3.201
	-3.314	-3.442	-3.585	-3.743	-3.916	-4.104	-4.306	-4.524	-4.757	-5.006
	-5.270	-5.550	-5.847	-6.159	-6.489	-6.836	-7.201	-7.584	-7.986	-8.408
	-8.850	-9.544	-10.56	-11.67	-12.89	-14.22	-15.68	-18.09	-21.99	-26.87
	-34.24	-20.44	-8.959	1.986						
0 42	15.98	-2.357	-21.60	-15.01	-10.13	-7.088	-5.171	-3.965	-3.432	-3.177
	-3.012	-2.949	-2.926	-2.921	-2.933	-2.963	-3.009	-3.072	-3.150	-3.243
	-3.352	-3.477	-3.616	-3.770	-3.939	-4.123	-4.323	-4.537	-4.766	-5.011
	-5.271	-5.547	-5.839	-6.147	-6.472	-6.814	-7.173	-7.550	-7.945	-8.360
	-8.793	-9.474	-10.47	-11.55	-12.73	-14.02	-15.44	-17.76	-21.54	-26.24
	-31.52	-19.91	-8.697	1.987						

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0 43    15.98      -2.614      -25.71      -15.36      -10.31      -7.266      -5.330      -4.095      -3.540      -3.272
       -3.094      -3.022      -2.993      -2.983      -2.991      -3.016      -3.058      -3.116      -3.190      -3.280
       -3.386      -3.507      -3.642      -3.793      -3.959      -4.140      -4.336      -4.547      -4.773      -5.014
       -5.270      -5.542      -5.830      -6.134      -6.454      -6.791      -7.144      -7.515      -7.904      -8.310
       -8.736      -9.402      -10.37      -11.43      -12.58      -13.82      -15.18      -17.41      -21.02      -25.67
       -33.25      -19.43      -8.378       1.987
0 44    15.98      -1.866      -20.70      -14.59      -10.13      -7.286      -5.411      -4.184      -3.621      -3.345
       -3.159      -3.082      -3.049      -3.035      -3.039      -3.060      -3.099      -3.154      -3.225      -3.312
       -3.414      -3.532      -3.665      -3.813      -3.976      -4.154      -4.346      -4.554      -4.777      -5.015
       -5.268      -5.537      -5.821      -6.120      -6.436      -6.768      -7.116      -7.481      -7.863      -8.263
       -8.680      -9.334      -10.28      -11.31      -12.42      -13.62      -14.93      -17.04      -20.39      -24.56
       -29.45      -18.41      -7.959       1.988
0 45    15.98     -0.9873      -22.16      -13.58      -9.705      -7.181      -5.429      -4.238      -3.677      -3.399
       -3.209      -3.127      -3.092      -3.076      -3.077      -3.096      -3.131      -3.184      -3.252      -3.336
       -3.436      -3.552      -3.682      -3.828      -3.989      -4.164      -4.355      -4.560      -4.780      -5.015
       -5.265      -5.531      -5.812      -6.108      -6.419      -6.747      -7.091      -7.451      -7.827      -8.221
       -8.631      -9.273      -10.20      -11.20      -12.28      -13.44      -14.68      -16.67      -19.72      -23.45
       -29.86      -17.39      -7.484       1.988
0 46    15.99      0.8321      -13.54      -11.58      -9.080      -7.002      -5.405      -4.264      -3.712      -3.435
       -3.244      -3.160      -3.124      -3.105      -3.105      -3.122      -3.155      -3.206      -3.273      -3.355
       -3.453      -3.567      -3.696      -3.840      -3.998      -4.172      -4.361      -4.564      -4.782      -5.015
       -5.263      -5.526      -5.804      -6.097      -6.406      -6.730      -7.070      -7.426      -7.797      -8.186
       -8.590      -9.222      -10.13      -11.11      -12.16      -13.28      -14.46      -16.33      -19.04      -21.84
       -24.08      -15.85      -6.968       1.994
0 47    15.98       3.120      -7.014      -9.017      -8.196      -6.726      -5.346      -4.277      -3.741      -3.468
       -3.277      -3.192      -3.154      -3.134      -3.132      -3.147      -3.179      -3.228      -3.293      -3.374
       -3.470      -3.582      -3.709      -3.851      -4.008      -4.180      -4.366      -4.568      -4.784      -5.014
       -5.260      -5.520      -5.795      -6.086      -6.391      -6.712      -7.047      -7.399      -7.766      -8.148
       -8.546      -9.167      -10.06      -11.01      -12.03      -13.10      -14.21      -15.93      -18.19      -19.90
       -19.62      -13.99      -6.317       1.990
0HEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  1, STRESS PERIOD  2
0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  2
                                 SECONDS        MINUTES         HOURS           DAYS           YEARS
                              ---------------------------------------------------------------------
      TIME STEP LENGTH         0.259200E+07    43200.0         720.000         30.0000        0.821355E-01
    STRESS PERIOD TIME         0.259200E+07    43200.0         720.000         30.0000        0.821355E-01
 TOTAL SIMULATION TIME         0.155520E+08    259200.         4320.00         180.000        0.492813
1
    26 ITERATIONS FOR TIME STEP   2 IN STRESS PERIOD  2
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,CO
 ---------------------------------------------------------------------------------------------------------------------------------
   -9.440     (  1, 18, 51)  -1.065     (  2,  2, 50)  -1.877     (  2,  6, 48)  -2.866     (  2, 31, 46)  -2.780     (  2, 24, 33
  -0.1050     (  2,  1, 49) -0.1355     (  2,  2, 49) -0.1949     (  2,  3, 48) -0.2184     (  2, 30, 25) -0.2282     (  2, 17, 38
   0.2276E-01 (  1, 10, 43)  0.2448E-01 (  2,  7, 46)  0.4195E-01 (  2,  6, 46)  0.7547E-01 (  2, 25, 32)  0.3167E-01 (  2, 23, 11
   0.4175E-02 (  2,  1, 41)  0.6640E-02 (  2, 12, 13) -0.1218E-01 (  2, 17, 38)  0.1590E-01 (  2, 15, 17) -0.1286E-01 (  2, 25, 25
   0.2090E-02 (  1, 22, 27) -0.1878E-02 (  2, 17, 18) -0.4671E-02 (  2, 15, 16)  0.4640E-02 (  2, 25, 24)  0.5305E-02 (  2, 15, 16
  -0.8290E-03 (  2, 10, 11)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                    HEAD IN LAYER  1 AT END OF TIME STEP  2 IN STRESS PERIOD  2
            ---------------------------------------------------------------------

             1           2           3           4           5           6           7           8           9          10
            11          12          13          14          15          16          17          18          19          20
            21          22          23          24          25          26          27          28          29          30
            31          32          33          34          35          36          37          38          39          40
            41          42          43          44          45          46          47          48          49          50
            51          52          53          54
 ..................................................................................................................................
0  1    15.94       3.868      -6.117      -8.051      -7.610      -6.647      -5.745      -5.080      -4.784      -4.654
       -4.588      -4.584      -4.597      -4.624      -4.666      -4.721      -4.791      -4.874      -4.970      -5.079
       -5.201      -5.336      -5.483      -5.643      -5.815      -6.000      -6.196      -6.405      -6.626      -6.860
       -7.105      -7.362      -7.632      -7.913      -8.207      -8.513      -8.831      -9.161      -9.503      -9.857
       -10.22      -10.79      -11.59      -12.44      -13.33      -14.25      -15.20      -16.64      -18.47      -19.78
       -19.35      -13.56      -6.024       1.971
0  2    15.88       1.578      -13.67      -10.65      -8.438      -6.870      -5.763      -5.035      -4.730      -4.599
       -4.536      -4.536      -4.551      -4.581      -4.625      -4.683      -4.755      -4.841      -4.939      -5.051
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	-5.175	-5.313	-5.462	-5.625	-5.799	-5.986	-6.185	-6.397	-6.620	-6.856
	-7.104	-7.364	-7.637	-7.922	-8.220	-8.530	-8.852	-9.187	-9.535	-9.895
	-10.27	-10.85	-11.67	-12.55	-13.47	-14.45	-15.46	-17.07	-19.36	-21.85
	-24.70	-15.52	-6.696	1.941						
0 3	15.93	0.7001	-14.48	-11.64	-8.800	-6.906	-5.682	-4.930	-4.631	-4.508
	-4.453	-4.460	-4.480	-4.515	-4.563	-4.626	-4.702	-4.791	-4.894	-5.009
	-5.137	-5.278	-5.431	-5.597	-5.775	-5.965	-6.168	-6.382	-6.610	-6.849
	-7.101	-7.365	-7.642	-7.932	-8.234	-8.550	-8.878	-9.220	-9.575	-9.944
	-10.33	-10.92	-11.77	-12.68	-13.65	-14.68	-15.77	-17.52	-20.15	-23.15
	-25.83	-16.70	-7.239	1.966						
0 4	15.93	8.8746E-02	-18.04	-12.28	-8.883	-6.834	-5.574	-4.827	-4.542	-4.428
	-4.383	-4.397	-4.421	-4.459	-4.512	-4.578	-4.658	-4.751	-4.857	-4.975
	-5.106	-5.250	-5.406	-5.574	-5.755	-5.947	-6.153	-6.370	-6.600	-6.842
	-7.097	-7.365	-7.645	-7.938	-8.244	-8.564	-8.897	-9.244	-9.604	-9.979
	-10.37	-10.97	-11.84	-12.77	-13.77	-14.84	-15.99	-17.83	-20.69	-24.16
	-28.89	-17.62	-7.599	1.965						
0 5	15.93	0.1068	-16.44	-12.14	-8.705	-6.636	-5.400	-4.688	-4.428	-4.329
	-4.298	-4.320	-4.350	-4.394	-4.451	-4.522	-4.606	-4.703	-4.812	-4.935
	-5.069	-5.216	-5.375	-5.546	-5.730	-5.926	-6.134	-6.354	-6.587	-6.833
	-7.091	-7.362	-7.646	-7.943	-8.253	-8.577	-8.915	-9.267	-9.634	-10.01
	-10.41	-11.03	-11.92	-12.87	-13.90	-15.01	-16.20	-18.14	-21.17	-24.83
	-28.55	-18.22	-7.907	1.964						
0 6	15.93	0.3061	-17.94	-11.73	-8.263	-6.301	-5.157	-4.514	-4.290	-4.212
	-4.198	-4.232	-4.268	-4.318	-4.382	-4.458	-4.547	-4.649	-4.762	-4.889
	-5.027	-5.177	-5.340	-5.515	-5.701	-5.900	-6.112	-6.335	-6.571	-6.820
	-7.082	-7.356	-7.644	-7.945	-8.260	-8.588	-8.931	-9.288	-9.661	-10.05
	-10.45	-11.08	-11.99	-12.97	-14.02	-15.17	-16.40	-18.42	-21.61	-25.54
	-30.80	-18.84	-8.173	1.964						
0 7	15.93	1.229	-14.37	-10.44	-7.516	-5.830	-4.850	-4.308	-4.132	-4.080
	-4.088	-4.134	-4.178	-4.236	-4.305	-4.388	-4.482	-4.589	-4.707	-4.838
	-4.980	-5.134	-5.301	-5.479	-5.669	-5.871	-6.086	-6.313	-6.552	-6.804
	-7.069	-7.347	-7.638	-7.943	-8.262	-8.595	-8.943	-9.306	-9.684	-10.08
	-10.49	-11.13	-12.05	-13.05	-14.14	-15.31	-16.58	-18.66	-21.96	-25.91
	-29.86	-19.16	-8.373	1.963						
0 8	15.94	2.396	-13.49	-8.832	-6.533	-5.249	-4.492	-4.078	-3.960	-3.938
	-3.969	-4.030	-4.083	-4.147	-4.224	-4.313	-4.413	-4.525	-4.648	-4.783
	-4.930	-5.088	-5.258	-5.439	-5.633	-5.838	-6.056	-6.286	-6.529	-6.784
	-7.052	-7.334	-7.629	-7.937	-8.260	-8.598	-8.950	-9.318	-9.701	-10.10
	-10.52	-11.17	-12.11	-13.13	-14.23	-15.43	-16.73	-18.87	-22.24	-26.36
	-31.70	-19.53	-8.534	1.962						
0 9	15.95	4.277	-6.950	-6.407	-5.358	-4.600	-4.107	-3.836	-3.781	-3.791
	-3.846	-3.922	-3.984	-4.056	-4.140	-4.235	-4.341	-4.458	-4.586	-4.725
	-4.876	-5.038	-5.211	-5.397	-5.593	-5.802	-6.023	-6.256	-6.501	-6.760
	-7.031	-7.316	-7.614	-7.926	-8.253	-8.594	-8.950	-9.322	-9.711	-10.12
	-10.54	-11.20	-12.15	-13.19	-14.31	-15.53	-16.86	-19.03	-22.45	-26.50
	-30.38	-19.63	-8.641	1.962						
0 10	15.92	6.063	-2.396	-4.093	-4.173	-3.947	-3.723	-3.597	-3.604	-3.645
	-3.725	-3.815	-3.885	-3.965	-4.056	-4.157	-4.268	-4.390	-4.523	-4.666
	-4.821	-4.986	-5.163	-5.351	-5.551	-5.762	-5.986	-6.221	-6.470	-6.731
	-7.005	-7.292	-7.593	-7.909	-8.238	-8.583	-8.943	-9.319	-9.711	-10.12
	-10.55	-11.21	-12.18	-13.23	-14.37	-15.61	-16.95	-19.15	-22.62	-26.75
	-31.88	-19.84	-8.726	1.930						
0 11	15.96	7.121	-0.1805	-2.689	-3.386	-3.501	-3.458	-3.430	-3.479	-3.542
	-3.639	-3.738	-3.814	-3.899	-3.995	-4.099	-4.214	-4.339	-4.475	-4.621
	-4.778	-4.946	-5.125	-5.315	-5.517	-5.730	-5.955	-6.193	-6.443	-6.705
	-6.981	-7.270	-7.573	-7.891	-8.222	-8.569	-8.931	-9.309	-9.704	-10.12
	-10.54	-11.22	-12.19	-13.25	-14.40	-15.64	-17.00	-19.21	-22.69	-26.76
	-30.65	-19.83	-8.762	1.961						
0 12	15.96	7.719	0.9839	-1.883	-2.914	-3.227	-3.293	-3.325	-3.401	-3.477
	-3.584	-3.689	-3.769	-3.857	-3.955	-4.062	-4.179	-4.306	-4.443	-4.590
	-4.749	-4.918	-5.099	-5.291	-5.494	-5.708	-5.934	-6.172	-6.423	-6.687
	-6.964	-7.254	-7.558	-7.877	-8.210	-8.558	-8.921	-9.301	-9.697	-10.11
	-10.54	-11.22	-12.19	-13.25	-14.41	-15.66	-17.02	-19.24	-22.74	-26.79
	-30.51	-19.86	-8.783	1.962						
0 13	15.96	8.215	1.903	-1.204	-2.501	-2.983	-3.143	-3.228	-3.327	-3.415
	-3.532	-3.642	-3.725	-3.816	-3.917	-4.027	-4.145	-4.272	-4.409	-4.558
	-4.718	-4.889	-5.072	-5.266	-5.471	-5.686	-5.912	-6.150	-6.402	-6.667
	-6.945	-7.237	-7.542	-7.861	-8.195	-8.544	-8.909	-9.289	-9.687	-10.10
	-10.53	-11.21	-12.19	-13.26	-14.41	-15.67	-17.03	-19.27	-22.77	-26.87
	-31.12	-19.92	-8.803	1.962						
0 14	15.96	8.612	2.614	-0.6506	-2.153	-2.773	-3.008	-3.137	-3.258	-3.358
	-3.482	-3.598	-3.684	-3.779	-3.883	-3.994	-4.113	-4.239	-4.372	-4.523

	-4.685	-4.857	-5.045	-5.243	-5.450	-5.664	-5.888	-6.125	-6.379	-6.646
	-6.925	-7.218	-7.524	-7.844	-8.179	-8.528	-8.894	-9.275	-9.674	-10.09
	-10.52	-11.20	-12.18	-13.25	-14.41	-15.67	-17.04	-19.28	-22.80	-26.95
	-32.19	-19.99	-8.819	1.962						
0 15	15.97	8.917	3.146	-0.2193	-1.873	-2.599	-2.887	-3.051	-3.193	-3.304
	-3.437	-3.557	-3.645	-3.744	-3.856	-3.973	-4.091	-4.213	-4.330	-4.478
	-4.643	-4.809	-5.015	-5.225	-5.441	-5.644	-5.860	-6.090	-6.348	-6.621
	-6.903	-7.197	-7.504	-7.824	-8.160	-8.510	-8.877	-9.259	-9.658	-10.07
	-10.51	-11.19	-12.17	-13.24	-14.41	-15.67	-17.04	-19.29	-22.81	-26.96
	-31.41	-20.00	-8.829	1.962						
0 16	15.97	9.135	3.519	9.2923E-02	-1.664	-2.463	-2.772	-2.961	-3.129	-3.253
	-3.393	-3.517	-3.608	-3.709	-3.826	-3.949	-4.067	-4.191	-4.316	-4.455
	-4.599	-4.729	-4.960	-5.222	-5.472	-5.635	-5.833	-6.037	-6.298	-6.591
	-6.879	-7.174	-7.482	-7.803	-8.139	-8.490	-8.857	-9.240	-9.639	-10.06
	-10.49	-11.17	-12.16	-13.23	-14.39	-15.66	-17.03	-19.28	-22.81	-26.96
	-31.08	-20.01	-8.834	1.962						
0 17	15.97	9.269	3.746	0.2890	-1.528	-2.364	-2.639	-2.840	-3.055	-3.200
	-3.351	-3.479	-3.571	-3.672	-3.793	-3.931	-4.043	-4.162	-4.291	-4.430
	-4.570	-4.695	-4.927	-5.202	-5.458	-5.616	-5.808	-6.007	-6.267	-6.564
	-6.853	-7.150	-7.458	-7.780	-8.116	-8.468	-8.835	-9.218	-9.618	-10.03
	-10.47	-11.15	-12.14	-13.21	-14.38	-15.64	-17.02	-19.26	-22.80	-26.98
	-31.51	-20.03	-8.834	1.962						
0 18	15.97	9.322	3.835	0.3710	-1.465	-2.301	-2.420	-2.620	-2.944	-3.136
	-3.307	-3.438	-3.530	-3.627	-3.720	-3.866	-4.034	-4.136	-4.263	-4.400
	-4.538	-4.673	-4.905	-5.186	-5.426	-5.586	-5.779	-5.978	-6.238	-6.536
	-6.827	-7.124	-7.432	-7.755	-8.091	-8.443	-8.810	-9.193	-9.593	-10.01
	-10.44	-11.13	-12.11	-13.19	-14.35	-15.62	-16.99	-19.24	-22.78	-26.99
	-32.41	-20.05	-8.827	1.962						
0 19	15.97	9.295	3.789	0.3398	-1.476	-2.265	-1.930	-2.112	-2.730	-3.039
	-3.249	-3.387	-3.481	-3.579	-3.684	-3.800	-3.949	-4.077	-4.212	-4.349
	-4.469	-4.708	-4.921	-5.221	-5.366	-5.544	-5.744	-5.945	-6.207	-6.506
	-6.797	-7.095	-7.404	-7.726	-8.063	-8.414	-8.782	-9.165	-9.565	-9.982
	-10.42	-11.10	-12.08	-13.16	-14.32	-15.58	-16.96	-19.20	-22.74	-26.92
	-31.48	-20.00	-8.813	1.962						
0 20	15.97	9.187	3.606	0.1949	-1.559	-2.250	-0.6798	-0.8164	-2.249	-2.859
	-3.158	-3.305	-3.400	-3.500	-3.606	-3.722	-3.852	-3.985	-4.125	-4.267
	-4.387	-4.679	-4.894	-5.178	-5.312	-5.496	-5.701	-5.906	-6.171	-6.470
	-6.762	-7.061	-7.370	-7.693	-8.030	-8.382	-8.749	-9.133	-9.532	-9.949
	-10.38	-11.06	-12.05	-13.12	-14.28	-15.55	-16.92	-19.16	-22.69	-26.85
	-31.02	-19.94	-8.791	1.962						
0 21	15.97	8.998	3.279	-6.5065E-02	-1.717	-2.270	2.581	2.533	-1.110	-2.493
	-2.982	-3.138	-3.231	-3.329	-3.435	-3.550	-3.675	-3.811	-3.958	-4.114
	-4.256	-4.611	-4.831	-5.084	-5.233	-5.430	-5.646	-5.860	-6.123	-6.421
	-6.714	-7.014	-7.326	-7.651	-7.989	-8.342	-8.710	-9.094	-9.494	-9.911
	-10.35	-11.03	-12.01	-13.08	-14.24	-15.50	-16.87	-19.10	-22.62	-26.79
	-31.31	-19.90	-8.764	1.962						
0 22	15.96	8.722	2.795	-0.4426	-1.948	-2.465	-0.7832	-0.6564	1.563	-1.740
	-2.609	-2.742	-2.823	-2.915	-3.019	-3.133	-3.258	-3.397	-3.557	-3.752
	-3.982	-4.170	-4.429	-4.789	-5.036	-5.276	-5.526	-5.779	-6.046	-6.335
	-6.633	-6.939	-7.257	-7.587	-7.930	-8.287	-8.658	-9.044	-9.446	-9.864
	-10.30	-10.98	-11.96	-13.03	-14.19	-15.44	-16.81	-19.04	-22.54	-26.72
	-32.06	-19.85	-8.729	1.960						
0 23	15.94	8.356	2.133	-0.9404	-2.249	-2.691	-2.146	-1.874	3.757	-0.2731
	-1.779	-1.734	-1.775	-1.857	-1.957	-2.069	-2.193	-2.335	-2.514	-2.789
	-3.251	-3.571	-3.885	-4.277	-4.593	-4.891	-5.213	-5.517	-5.820	-6.142
	-6.462	-6.788	-7.125	-7.470	-7.825	-8.192	-8.572	-8.965	-9.373	-9.797
	-10.24	-10.92	-11.91	-12.97	-14.13	-15.38	-16.74	-18.96	-22.45	-26.58
	-30.99	-19.73	-8.687	1.935						
0 24	15.96	8.011	1.484	-1.405	-2.522	-2.869	-2.606	-2.330	2.783	2.383
	-0.3626	0.2850	0.2904	0.2090	0.1096	1.2278E-03	-0.1174	-0.2524	-0.4313	-0.7889
	-1.890	-2.317	-2.710	-3.391	-3.802	-4.174	-4.653	-5.030	-5.389	-5.791
	-6.159	-6.520	-6.902	-7.277	-7.654	-8.047	-8.444	-8.852	-9.275	-9.711
	-10.16	-10.85	-11.85	-12.92	-14.08	-15.33	-16.68	-18.89	-22.37	-26.47
	-30.53	-19.64	-8.649	1.959						
0 25	15.96	7.757	0.9913	-1.746	-2.720	-2.992	-2.821	-2.570	0.7843	5.479
	1.040	2.569	2.544	2.450	2.351	2.247	2.135	2.011	1.858	1.536
	-0.5272	-0.9246	-1.341	-2.466	-2.932	-3.356	-4.052	-4.493	-4.900	-5.412
	-5.827	-6.224	-6.663	-7.069	-7.471	-7.894	-8.312	-8.736	-9.177	-9.627
	-10.09	-10.79	-11.80	-12.88	-14.03	-15.28	-16.64	-18.85	-22.31	-26.40
	-30.41	-19.59	-8.623	1.962						
0 26	15.96	7.478	0.4340	-2.118	-2.931	-3.119	-2.982	-2.759	-0.4840	5.348
	3.035	0.5742	0.2832	0.1518	4.3894E-02	-6.4120E-02	-0.1779	-0.2971	-0.4067	-0.3697

	1.356	1.349	1.020	-1.079	-1.509	-1.957	-3.113	-3.611	-4.069	-4.804
	-5.282	-5.727	-6.278	-6.732	-7.170	-7.651	-8.102	-8.551	-9.026	-9.501
	-9.981	-10.70	-11.73	-12.82	-13.99	-15.24	-16.59	-18.80	-22.25	-26.33
	-30.48	-19.54	-8.595	1.962						
0 27	15.96	7.174	-0.1947	-2.520	-3.155	-3.250	-3.111	-2.909	-1.409	1.874
	0.5737	-0.8380	-1.144	-1.290	-1.402	-1.511	-1.624	-1.738	-1.828	-1.762
	-1.014	-0.9470	-0.8945	0.8314	0.7987	0.4394	-1.707	-2.171	-2.653	-3.854
	-4.391	-4.888	-5.664	-6.183	-6.669	-7.264	-7.763	-8.250	-8.787	-9.305
	-9.821	-10.57	-11.64	-12.75	-13.93	-15.18	-16.53	-18.74	-22.19	-26.27
	-30.72	-19.49	-8.566	1.962						
0 28	15.96	6.846	-0.9027	-2.951	-3.391	-3.385	-3.223	-3.032	-2.059	-0.2403
	-0.9682	-1.792	-2.046	-2.187	-2.298	-2.407	-2.518	-2.630	-2.718	-2.702
	-2.408	-2.370	-2.289	-1.552	-1.511	-1.488	0.2285	0.1660	-0.2273	-2.432
	-2.934	-3.455	-4.705	-5.283	-5.822	-6.645	-7.211	-7.747	-8.405	-8.989
	-9.570	-10.37	-11.49	-12.65	-13.85	-15.11	-16.47	-18.68	-22.11	-26.20
	-31.07	-19.44	-8.535	1.962						
0 29	15.96	6.495	-1.699	-3.411	-3.638	-3.524	-3.324	-3.134	-2.507	-1.509
	-1.924	-2.421	-2.617	-2.745	-2.853	-2.960	-3.070	-3.181	-3.276	-3.312
	-3.233	-3.248	-3.225	-2.948	-2.938	-2.887	-2.174	-2.166	-2.175	-0.4691
	-0.5647	-0.9951	-3.265	-3.808	-4.372	-5.676	-6.302	-6.894	-7.792	-8.472
	-9.174	-10.03	-11.27	-12.50	-13.74	-15.01	-16.38	-18.61	-22.03	-26.12
	-31.30	-19.38	-8.502	1.963						
0 30	15.95	6.123	-2.593	-3.896	-3.894	-3.667	-3.421	-3.222	-2.813	-2.270
	-2.517	-2.831	-2.981	-3.095	-3.198	-3.303	-3.412	-3.523	-3.627	-3.701
	-3.728	-3.789	-3.829	-3.772	-3.815	-3.824	-3.577	-3.601	-3.584	-2.897
	-2.924	-2.967	-1.271	-1.402	-1.872	-4.216	-4.806	-5.423	-6.820	-7.609
	-8.545	-9.481	-10.92	-12.28	-13.58	-14.87	-16.27	-18.52	-21.94	-26.02
	-30.90	-19.30	-8.467	1.963						
0 31	15.95	5.732	-3.594	-4.404	-4.156	-3.813	-3.514	-3.300	-3.026	-2.730
	-2.887	-3.098	-3.216	-3.318	-3.416	-3.518	-3.626	-3.738	-3.849	-3.947
	-4.028	-4.124	-4.210	-4.262	-4.354	-4.426	-4.401	-4.479	-4.523	-4.310
	-4.369	-4.388	-3.729	-3.793	-3.874	-2.185	-2.355	-2.876	-5.337	-6.145
	-7.560	-8.554	-10.34	-11.92	-13.34	-14.65	-16.12	-18.42	-21.83	-25.90
	-30.39	-19.22	-8.430	1.963						
0 32	15.95	5.326	-4.710	-4.930	-4.424	-3.962	-3.606	-3.371	-3.177	-3.015
	-3.123	-3.275	-3.371	-3.463	-3.557	-3.656	-3.762	-3.875	-3.991	-4.104
	-4.214	-4.332	-4.450	-4.558	-4.684	-4.804	-4.889	-5.016	-5.123	-5.135
	-5.250	-5.331	-5.152	-5.251	-5.308	-4.678	-4.782	-4.907	-3.241	-3.616
	-6.070	-6.989	-9.390	-11.34	-12.96	-14.31	-15.88	-18.28	-21.69	-25.76
	-29.98	-19.12	-8.391	1.963						
0 33	15.95	4.912	-5.945	-5.468	-4.695	-4.112	-3.697	-3.437	-3.288	-3.197
	-3.277	-3.394	-3.476	-3.560	-3.650	-3.747	-3.852	-3.965	-4.083	-4.205
	-4.330	-4.463	-4.600	-4.739	-4.888	-5.039	-5.182	-5.343	-5.498	-5.620
	-5.784	-5.930	-5.979	-6.133	-6.255	-6.113	-6.252	-6.348	-5.727	-5.700
	-3.978	-4.362	-7.821	-10.37	-12.35	-13.73	-15.50	-18.08	-21.49	-25.61
	-29.72	-19.02	-8.350	1.963						
0 34	15.95	4.496	-7.287	-6.007	-4.967	-4.263	-3.788	-3.501	-3.373	-3.319
	-3.381	-3.478	-3.550	-3.629	-3.715	-3.809	-3.913	-4.025	-4.146	-4.272
	-4.405	-4.547	-4.696	-4.851	-5.016	-5.186	-5.359	-5.544	-5.730	-5.909
	-6.108	-6.301	-6.462	-6.665	-6.851	-6.940	-7.135	-7.292	-7.155	-7.163
	-6.547	-6.801	-5.275	-8.782	-11.35	-12.75	-14.88	-17.78	-21.20	-25.43
	-29.62	-18.92	-8.307	1.963						
0 35	15.95	4.089	-8.695	-6.539	-5.237	-4.414	-3.878	-3.562	-3.443	-3.406
	-3.457	-3.539	-3.605	-3.679	-3.762	-3.854	-3.957	-4.068	-4.189	-4.318
	-4.456	-4.603	-4.758	-4.922	-5.096	-5.278	-5.468	-5.667	-5.873	-6.082
	-6.304	-6.529	-6.746	-6.984	-7.218	-7.419	-7.663	-7.884	-7.983	-8.105
	-8.004	-8.313	-7.767	-6.186	-9.707	-11.06	-13.84	-17.31	-20.74	-25.20
	-29.63	-18.80	-8.261	1.964						
0 36	15.95	3.703	-10.06	-7.048	-5.503	-4.565	-3.968	-3.621	-3.502	-3.472
	-3.514	-3.587	-3.647	-3.718	-3.798	-3.889	-3.990	-4.100	-4.221	-4.351
	-4.491	-4.641	-4.800	-4.969	-5.148	-5.337	-5.536	-5.744	-5.962	-6.187
	-6.424	-6.667	-6.915	-7.176	-7.440	-7.698	-7.976	-8.245	-8.466	-8.685
	-8.828	-9.225	-9.274	-8.713	-7.067	-8.165	-12.11	-16.53	-19.95	-24.85
	-29.61	-18.67	-8.213	1.966						
0 37	15.97	3.349	-11.15	-7.522	-5.764	-4.713	-4.058	-3.679	-3.555	-3.525
	-3.559	-3.626	-3.683	-3.750	-3.828	-3.916	-4.016	-4.126	-4.246	-4.376
	-4.517	-4.668	-4.829	-5.000	-5.183	-5.376	-5.579	-5.793	-6.017	-6.251
	-6.496	-6.751	-7.014	-7.290	-7.573	-7.860	-8.161	-8.462	-8.746	-9.029
	-9.291	-9.763	-10.16	-10.22	-9.749	-10.72	-9.241	-15.22	-18.57	-24.29
	-29.25	-18.48	-8.162	1.979						
0 38	15.94	2.875	-11.57	-8.167	-6.144	-4.933	-4.190	-3.765	-3.628	-3.593
	-3.618	-3.677	-3.728	-3.791	-3.866	-3.952	-4.049	-4.157	-4.276	-4.406

	-4.546	-4.698	-4.860	-5.034	-5.218	-5.414	-5.621	-5.839	-6.068	-6.309
	-6.562	-6.826	-7.102	-7.390	-7.689	-7.998	-8.320	-8.650	-8.984	-9.326
	-9.673	-10.22	-10.92	-11.52	-12.01	-12.99	-13.14	-12.01	-15.06	-22.91
	-27.21	-18.10	-8.080	1.966						
0 39	15.97	2.354	-11.68	-8.896	-6.616	-5.213	-4.360	-3.875	-3.715	-3.669
	-3.682	-3.733	-3.779	-3.838	-3.909	-3.991	-4.085	-4.191	-4.308	-4.436
	-4.575	-4.726	-4.887	-5.061	-5.245	-5.441	-5.649	-5.868	-6.099	-6.342
	-6.598	-6.865	-7.145	-7.438	-7.744	-8.062	-8.393	-8.736	-9.091	-9.459
	-9.838	-10.43	-11.25	-12.09	-12.96	-14.02	-14.88	-15.87	-18.95	-17.93
	-21.02	-17.08	-7.952	1.981						
0 40	15.94	1.620	-12.65	-9.926	-7.269	-5.605	-4.603	-4.033	-3.837	-3.773
	-3.769	-3.809	-3.849	-3.901	-3.967	-4.044	-4.134	-4.236	-4.349	-4.474
	-4.611	-4.759	-4.919	-5.090	-5.273	-5.467	-5.674	-5.892	-6.122	-6.364
	-6.619	-6.887	-7.167	-7.460	-7.767	-8.087	-8.421	-8.768	-9.130	-9.506
	-9.897	-10.51	-11.38	-12.32	-13.33	-14.43	-15.58	-17.40	-20.48	-23.40
	-26.27	-13.59	-7.738	1.965						
0 41	15.93	0.6274	-16.97	-11.26	-7.961	-6.028	-4.877	-4.218	-3.981	-3.894
	-3.871	-3.899	-3.931	-3.977	-4.036	-4.108	-4.193	-4.289	-4.398	-4.519
	-4.652	-4.796	-4.953	-5.120	-5.300	-5.491	-5.695	-5.910	-6.137	-6.376
	-6.628	-6.892	-7.169	-7.459	-7.762	-8.079	-8.409	-8.753	-9.111	-9.483
	-9.871	-10.48	-11.35	-12.28	-13.29	-14.38	-15.56	-17.46	-20.49	-24.09
	-28.92	-17.23	-7.663	1.965						
0 42	15.93	0.2830	-16.09	-11.80	-8.384	-6.323	-5.088	-4.371	-4.103	-3.998
	-3.961	-3.978	-4.004	-4.045	-4.098	-4.165	-4.245	-4.337	-4.442	-4.559
	-4.688	-4.829	-4.982	-5.146	-5.323	-5.511	-5.711	-5.923	-6.147	-6.383
	-6.632	-6.892	-7.165	-7.451	-7.750	-8.062	-8.387	-8.725	-9.078	-9.444
	-9.825	-10.42	-11.27	-12.19	-13.17	-14.24	-15.38	-17.23	-20.15	-23.68
	-27.38	-17.30	-7.475	1.966						
0 43	15.93	0.1238	-18.26	-12.07	-8.544	-6.482	-5.230	-4.488	-4.201	-4.085
	-4.036	-4.046	-4.067	-4.103	-4.152	-4.214	-4.290	-4.379	-4.480	-4.594
	-4.719	-4.857	-5.007	-5.169	-5.342	-5.528	-5.725	-5.934	-6.155	-6.388
	-6.632	-6.890	-7.159	-7.441	-7.735	-8.042	-8.362	-8.696	-9.042	-9.402
	-9.775	-10.36	-11.19	-12.08	-13.04	-14.07	-15.16	-16.94	-19.71	-23.19
	-28.20	-16.94	-7.216	1.967						
0 44	15.93	0.6686	-15.35	-11.47	-8.411	-6.509	-5.307	-4.570	-4.275	-4.153
	-4.097	-4.101	-4.119	-4.151	-4.197	-4.256	-4.328	-4.414	-4.512	-4.623
	-4.746	-4.881	-5.028	-5.187	-5.358	-5.541	-5.735	-5.942	-6.160	-6.390
	-6.632	-6.886	-7.152	-7.430	-7.720	-8.023	-8.339	-8.667	-9.007	-9.361
	-9.728	-10.30	-11.11	-11.98	-12.91	-13.90	-14.94	-16.62	-19.19	-22.29
	-25.67	-16.13	-6.875	1.968						
0 45	15.94	1.413	-15.28	-10.62	-8.066	-6.430	-5.329	-4.621	-4.328	-4.203
	-4.143	-4.144	-4.159	-4.189	-4.232	-4.289	-4.359	-4.442	-4.538	-4.646
	-4.767	-4.900	-5.045	-5.201	-5.370	-5.551	-5.743	-5.947	-6.163	-6.391
	-6.630	-6.882	-7.145	-7.420	-7.707	-8.006	-8.317	-8.641	-8.976	-9.324
	-9.685	-10.25	-11.04	-11.89	-12.79	-13.73	-14.73	-16.31	-18.63	-21.35
	-25.34	-15.27	-6.486	1.969						
0 46	15.97	2.800	-9.617	-9.026	-7.561	-6.288	-5.314	-4.647	-4.361	-4.237
	-4.176	-4.175	-4.189	-4.216	-4.258	-4.313	-4.382	-4.463	-4.557	-4.664
	-4.783	-4.914	-5.057	-5.212	-5.379	-5.558	-5.749	-5.951	-6.165	-6.391
	-6.629	-6.878	-7.138	-7.411	-7.695	-7.991	-8.299	-8.619	-8.951	-9.294
	-9.649	-10.20	-10.98	-11.81	-12.68	-13.60	-14.55	-16.02	-18.06	-20.05
	-21.30	-14.05	-6.067	1.985						
0 47	15.95	4.599	-4.562	-6.956	-6.842	-6.066	-5.271	-4.663	-4.389	-4.268
	-4.207	-4.205	-4.217	-4.244	-4.284	-4.337	-4.404	-4.484	-4.576	-4.681
	-4.798	-4.928	-5.069	-5.223	-5.388	-5.566	-5.754	-5.955	-6.167	-6.391
	-6.626	-6.873	-7.131	-7.401	-7.683	-7.976	-8.280	-8.596	-8.923	-9.262
	-9.611	-10.15	-10.92	-11.73	-12.57	-13.44	-14.34	-15.69	-17.36	-18.45
	-17.75	-12.54	-5.540	1.972						

1 HEAD IN LAYER 2 AT END OF TIME STEP 2 IN STRESS PERIOD 2

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54						

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0 1	15.98	0.8555	-11.49	-13.73	-13.08	-11.74	-10.46	-9.464	-8.970	-8.725
	-8.563	-8.501	-8.479	-8.477	-8.493	-8.528	-8.581	-8.652	-8.740	-8.846
	-8.970	-9.110	-9.267	-9.441	-9.631	-9.838	-10.06	-10.30	-10.56	-10.83
	-11.12	-11.42	-11.74	-12.08	-12.43	-12.80	-13.18	-13.58	-14.00	-14.43

	-14.87	-15.56	-16.54	-17.57	-18.66	-19.78	-20.92	-22.65	-24.81	-26.27
	-25.54	-18.06	-8.388	1.987						
0 2	15.95	-2.114	-21.95	-16.99	-14.11	-12.02	-10.48	-9.407	-8.902	-8.657
	-8.498	-8.441	-8.422	-8.423	-8.443	-8.481	-8.537	-8.612	-8.704	-8.813
	-8.939	-9.083	-9.243	-9.420	-9.613	-9.823	-10.05	-10.29	-10.55	-10.83
	-11.12	-11.43	-11.75	-12.09	-12.45	-12.82	-13.21	-13.62	-14.04	-14.48
	-14.93	-15.64	-16.64	-17.71	-18.84	-20.02	-21.26	-23.19	-25.93	-28.86
	-32.69	-20.55	-9.241	1.972						
0 3	15.98	-3.196	-22.11	-18.19	-14.55	-12.06	-10.38	-9.273	-8.777	-8.542
	-8.395	-8.347	-8.334	-8.341	-8.367	-8.410	-8.472	-8.552	-8.649	-8.763
	-8.894	-9.042	-9.207	-9.388	-9.586	-9.800	-10.03	-10.28	-10.54	-10.82
	-11.12	-11.43	-11.76	-12.11	-12.47	-12.85	-13.25	-13.66	-14.09	-14.54
	-15.01	-15.73	-16.77	-17.88	-19.06	-20.32	-21.65	-23.77	-26.93	-30.48
	-33.70	-22.03	-9.933	1.985						
0 4	15.97	-4.044	-28.04	-19.02	-14.65	-11.97	-10.24	-9.144	-8.664	-8.441
	-8.307	-8.267	-8.261	-8.273	-8.303	-8.352	-8.419	-8.503	-8.604	-8.722
	-8.857	-9.008	-9.177	-9.361	-9.563	-9.780	-10.01	-10.27	-10.53	-10.82
	-11.12	-11.43	-11.77	-12.12	-12.49	-12.87	-13.28	-13.70	-14.13	-14.59
	-15.07	-15.81	-16.87	-18.01	-19.23	-20.53	-21.93	-24.17	-27.61	-31.76
	-38.21	-23.21	-10.39	1.985						
0 5	15.98	-3.964	-24.62	-18.81	-14.42	-11.72	-10.02	-8.969	-8.521	-8.317
	-8.200	-8.172	-8.173	-8.192	-8.229	-8.283	-8.355	-8.444	-8.551	-8.673
	-8.813	-8.969	-9.141	-9.330	-9.535	-9.756	-9.994	-10.25	-10.52	-10.81
	-11.11	-11.43	-11.77	-12.13	-12.50	-12.89	-13.30	-13.73	-14.18	-14.64
	-15.12	-15.88	-16.97	-18.14	-19.39	-20.75	-22.20	-24.55	-28.22	-32.59
	-37.11	-23.94	-10.78	1.984						
0 6	15.98	-3.771	-27.93	-18.33	-13.87	-11.29	-9.715	-8.750	-8.349	-8.172
	-8.077	-8.063	-8.072	-8.099	-8.143	-8.205	-8.284	-8.379	-8.490	-8.618
	-8.763	-8.923	-9.100	-9.293	-9.503	-9.728	-9.970	-10.23	-10.50	-10.80
	-11.11	-11.43	-11.77	-12.14	-12.51	-12.91	-13.33	-13.76	-14.21	-14.69
	-15.18	-15.95	-17.06	-18.26	-19.55	-20.95	-22.46	-24.91	-28.76	-33.50
	-40.56	-24.76	-11.12	1.984						
0 7	15.98	-2.538	-22.07	-16.69	-12.93	-10.70	-9.328	-8.491	-8.151	-8.007
	-7.939	-7.942	-7.961	-7.997	-8.050	-8.119	-8.205	-8.307	-8.424	-8.558
	-8.708	-8.873	-9.055	-9.252	-9.466	-9.696	-9.942	-10.20	-10.48	-10.78
	-11.09	-11.42	-11.77	-12.14	-12.52	-12.93	-13.35	-13.79	-14.25	-14.73
	-15.23	-16.01	-17.15	-18.37	-19.70	-21.14	-22.69	-25.22	-29.21	-33.96
	-38.74	-25.13	-11.38	1.983						
0 8	15.98	-1.110	-22.57	-14.73	-11.71	-9.973	-8.880	-8.204	-7.937	-7.831
	-7.793	-7.814	-7.844	-7.889	-7.951	-8.028	-8.121	-8.230	-8.354	-8.493
	-8.648	-8.819	-9.005	-9.207	-9.425	-9.659	-9.910	-10.18	-10.46	-10.76
	-11.08	-11.41	-11.77	-12.14	-12.53	-12.93	-13.36	-13.81	-14.28	-14.76
	-15.27	-16.07	-17.22	-18.47	-19.83	-21.30	-22.89	-25.48	-29.57	-34.53
	-41.67	-25.63	-11.59	1.983						
0 9	15.98	1.353	-12.75	-11.67	-10.24	-9.161	-8.398	-7.903	-7.715	-7.649
	-7.643	-7.682	-7.723	-7.779	-7.849	-7.935	-8.035	-8.150	-8.280	-8.425
	-8.586	-8.761	-8.952	-9.159	-9.381	-9.619	-9.873	-10.14	-10.43	-10.74
	-11.06	-11.40	-11.75	-12.13	-12.52	-12.94	-13.37	-13.82	-14.29	-14.79
	-15.30	-16.11	-17.28	-18.56	-19.94	-21.43	-23.05	-25.69	-29.84	-34.70
	-39.40	-25.73	-11.72	1.983						
0 10	15.97	3.639	-6.825	-8.770	-8.755	-8.344	-7.918	-7.605	-7.496	-7.471
	-7.495	-7.552	-7.604	-7.669	-7.748	-7.841	-7.949	-8.070	-8.206	-8.356
	-8.521	-8.701	-8.897	-9.107	-9.333	-9.575	-9.833	-10.11	-10.40	-10.71
	-11.03	-11.37	-11.73	-12.11	-12.51	-12.93	-13.37	-13.82	-14.30	-14.80
	-15.32	-16.14	-17.33	-18.62	-20.01	-21.53	-23.18	-25.85	-30.06	-35.03
	-41.88	-26.02	-11.83	1.966						
0 11	15.99	4.974	-4.031	-7.022	-7.775	-7.787	-7.588	-7.400	-7.344	-7.346
	-7.391	-7.460	-7.519	-7.591	-7.676	-7.774	-7.885	-8.011	-8.150	-8.304
	-8.473	-8.656	-8.854	-9.067	-9.295	-9.540	-9.800	-10.08	-10.37	-10.68
	-11.01	-11.35	-11.71	-12.10	-12.50	-12.92	-13.36	-13.82	-14.30	-14.80
	-15.33	-16.15	-17.34	-18.64	-20.05	-21.58	-23.24	-25.94	-30.16	-35.04
	-39.75	-26.00	-11.88	1.982						
0 12	15.99	5.731	-2.560	-6.015	-7.185	-7.445	-7.384	-7.271	-7.248	-7.267
	-7.325	-7.402	-7.465	-7.540	-7.629	-7.730	-7.844	-7.972	-8.114	-8.270
	-8.440	-8.625	-8.825	-9.039	-9.269	-9.515	-9.777	-10.05	-10.35	-10.66
	-10.99	-11.33	-11.70	-12.08	-12.48	-12.90	-13.35	-13.81	-14.29	-14.80
	-15.32	-16.15	-17.35	-18.65	-20.07	-21.61	-23.27	-25.98	-30.21	-35.08
	-39.53	-26.03	-11.91	1.983						
0 13	15.99	6.356	-1.405	-5.166	-6.669	-7.141	-7.199	-7.153	-7.160	-7.193
	-7.263	-7.347	-7.414	-7.493	-7.584	-7.688	-7.804	-7.935	-8.078	-8.236
	-8.408	-8.594	-8.796	-9.012	-9.243	-9.490	-9.752	-10.03	-10.33	-10.64
	-10.97	-11.32	-11.68	-12.07	-12.47	-12.89	-13.33	-13.80	-14.28	-14.79

	-15.32	-16.15	-17.35	-18.66	-20.08	-21.62	-23.29	-26.01	-30.26	-35.18
	-40.47	-26.12	-11.93	1.983						
0 14	15.99	6.857	-0.5136	-4.475	-6.234	-6.879	-7.037	-7.048	-7.080	-7.126
	-7.206	-7.295	-7.366	-7.447	-7.541	-7.647	-7.766	-7.898	-8.043	-8.203
	-8.376	-8.564	-8.766	-8.983	-9.216	-9.464	-9.728	-10.01	-10.30	-10.62
	-10.95	-11.30	-11.66	-12.05	-12.45	-12.88	-13.32	-13.78	-14.27	-14.78
	-15.31	-16.14	-17.35	-18.66	-20.08	-21.63	-23.31	-26.03	-30.30	-35.30
	-42.66	-26.23	-11.96	1.983						
0 15	15.99	7.241	0.1523	-3.936	-5.885	-6.665	-6.900	-6.956	-7.008	-7.066
	-7.154	-7.248	-7.321	-7.405	-7.501	-7.609	-7.730	-7.863	-8.010	-8.170
	-8.344	-8.533	-8.737	-8.955	-9.188	-9.437	-9.702	-9.982	-10.28	-10.59
	-10.93	-11.27	-11.64	-12.03	-12.43	-12.86	-13.30	-13.77	-14.25	-14.76
	-15.30	-16.13	-17.34	-18.65	-20.08	-21.63	-23.31	-26.04	-30.31	-35.30
	-40.82	-26.23	-11.97	1.983						
0 16	15.99	7.515	0.6187	-3.546	-5.625	-6.501	-6.791	-6.879	-6.947	-7.012
	-7.107	-7.205	-7.280	-7.367	-7.464	-7.573	-7.695	-7.829	-7.977	-8.138
	-8.313	-8.503	-8.707	-8.926	-9.161	-9.410	-9.675	-9.956	-10.25	-10.57
	-10.90	-11.25	-11.62	-12.01	-12.41	-12.84	-13.28	-13.75	-14.24	-14.75
	-15.28	-16.11	-17.32	-18.64	-20.07	-21.62	-23.30	-26.04	-30.32	-35.30
	-40.28	-26.23	-11.98	1.983						
0 17	15.99	7.683	0.9028	-3.302	-5.456	-6.389	-6.710	-6.817	-6.895	-6.967
	-7.066	-7.167	-7.244	-7.331	-7.430	-7.540	-7.663	-7.798	-7.946	-8.108
	-8.283	-8.473	-8.678	-8.898	-9.132	-9.382	-9.648	-9.929	-10.23	-10.54
	-10.88	-11.23	-11.59	-11.98	-12.39	-12.81	-13.26	-13.72	-14.21	-14.72
	-15.26	-16.09	-17.30	-18.62	-20.05	-21.60	-23.28	-26.02	-30.31	-35.33
	-40.96	-26.27	-11.98	1.983						
0 18	15.99	7.749	1.014	-3.200	-5.379	-6.332	-6.659	-6.771	-6.855	-6.929
	-7.032	-7.134	-7.212	-7.300	-7.399	-7.509	-7.632	-7.768	-7.916	-8.078
	-8.254	-8.444	-8.649	-8.869	-9.104	-9.354	-9.619	-9.901	-10.20	-10.52
	-10.85	-11.20	-11.57	-11.95	-12.36	-12.79	-13.23	-13.70	-14.19	-14.70
	-15.23	-16.06	-17.27	-18.59	-20.02	-21.57	-23.26	-25.99	-30.28	-35.36
	-42.94	-26.31	-11.97	1.983						
0 19	15.99	7.716	0.9572	-3.239	-5.395	-6.330	-6.639	-6.742	-6.824	-6.900
	-7.003	-7.106	-7.184	-7.272	-7.371	-7.481	-7.604	-7.739	-7.887	-8.049
	-8.225	-8.415	-8.620	-8.840	-9.075	-9.325	-9.591	-9.872	-10.17	-10.49
	-10.82	-11.17	-11.54	-11.92	-12.33	-12.76	-13.20	-13.67	-14.16	-14.67
	-15.20	-16.03	-17.24	-18.56	-19.99	-21.54	-23.22	-25.95	-30.24	-35.27
	-40.92	-26.23	-11.95	1.983						
0 20	15.99	7.581	0.7285	-3.420	-5.503	-6.384	-6.650	-6.731	-6.805	-6.879
	-6.982	-7.084	-7.161	-7.248	-7.346	-7.456	-7.578	-7.713	-7.860	-8.022
	-8.197	-8.387	-8.592	-8.811	-9.046	-9.296	-9.561	-9.843	-10.14	-10.46
	-10.79	-11.14	-11.51	-11.89	-12.30	-12.72	-13.17	-13.64	-14.12	-14.63
	-15.16	-16.00	-17.20	-18.52	-19.94	-21.49	-23.17	-25.90	-30.17	-35.17
	-40.20	-26.15	-11.92	1.983						
0 21	15.99	7.342	0.3192	-3.745	-5.702	-6.492	-6.697	-6.743	-6.798	-6.867
	-6.967	-7.067	-7.142	-7.228	-7.325	-7.434	-7.555	-7.688	-7.835	-7.995
	-8.170	-8.360	-8.564	-8.783	-9.017	-9.266	-9.531	-9.812	-10.11	-10.42
	-10.76	-11.11	-11.47	-11.86	-12.27	-12.69	-13.13	-13.60	-14.08	-14.59
	-15.12	-15.95	-17.16	-18.47	-19.89	-21.44	-23.11	-25.83	-30.09	-35.11
	-40.71	-26.10	-11.89	1.983						
0 22	15.99	6.995	-0.2869	-4.216	-5.990	-6.654	-6.791	-6.790	-6.805	-6.865
	-6.960	-7.056	-7.129	-7.213	-7.308	-7.415	-7.534	-7.666	-7.812	-7.971
	-8.145	-8.333	-8.536	-8.754	-8.987	-9.236	-9.500	-9.781	-10.08	-10.39
	-10.72	-11.07	-11.44	-11.82	-12.23	-12.65	-13.10	-13.56	-14.04	-14.55
	-15.08	-15.91	-17.11	-18.42	-19.83	-21.37	-23.04	-25.75	-30.00	-35.03
	-42.53	-26.06	-11.85	1.982						
0 23	15.98	6.535	-1.115	-4.837	-6.363	-6.866	-6.918	-6.861	-6.833	-6.875
	-6.961	-7.052	-7.123	-7.204	-7.297	-7.401	-7.518	-7.648	-7.792	-7.949
	-8.122	-8.308	-8.510	-8.727	-8.959	-9.206	-9.470	-9.750	-10.05	-10.36
	-10.69	-11.04	-11.40	-11.79	-12.19	-12.61	-13.05	-13.52	-14.00	-14.50
	-15.03	-15.86	-17.06	-18.36	-19.77	-21.30	-22.96	-25.66	-29.89	-34.84
	-40.31	-25.89	-11.79	1.967						
0 24	15.99	6.100	-1.930	-5.418	-6.704	-7.058	-7.032	-6.928	-6.874	-6.893
	-6.972	-7.057	-7.125	-7.204	-7.295	-7.397	-7.512	-7.640	-7.782	-7.938
	-8.108	-8.293	-8.493	-8.709	-8.939	-9.186	-9.448	-9.727	-10.02	-10.33
	-10.66	-11.01	-11.37	-11.76	-12.16	-12.58	-13.02	-13.48	-13.96	-14.47
	-14.99	-15.82	-17.01	-18.31	-19.71	-21.24	-22.89	-25.58	-29.79	-34.70
	-39.61	-25.78	-11.75	1.982						
0 25	15.99	5.779	-2.547	-5.843	-6.949	-7.197	-7.114	-6.976	-6.908	-6.911
	-6.983	-7.066	-7.132	-7.209	-7.298	-7.399	-7.513	-7.639	-7.779	-7.933
	-8.103	-8.286	-8.484	-8.698	-8.928	-9.173	-9.434	-9.712	-10.01	-10.32
	-10.65	-10.99	-11.36	-11.74	-12.14	-12.56	-13.00	-13.46	-13.94	-14.44

	-14.97	-15.79	-16.98	-18.27	-19.68	-21.20	-22.85	-25.53	-29.72	-34.62
	-39.44	-25.71	-11.71	1.983						
0 26	15.99	5.427	-3.247	-6.307	-7.213	-7.345	-7.202	-7.029	-6.947	-6.937
	-7.000	-7.081	-7.145	-7.220	-7.308	-7.407	-7.519	-7.644	-7.783	-7.935
	-8.101	-8.282	-8.478	-8.691	-8.918	-9.162	-9.422	-9.698	-9.991	-10.30
	-10.63	-10.97	-11.34	-11.72	-12.12	-12.54	-12.98	-13.43	-13.91	-14.42
	-14.94	-15.76	-16.95	-18.24	-19.64	-21.15	-22.80	-25.47	-29.65	-34.54
	-39.57	-25.65	-11.68	1.983						
0 27	15.99	5.043	-4.038	-6.809	-7.493	-7.501	-7.293	-7.084	-6.990	-6.971
	-7.024	-7.101	-7.163	-7.236	-7.322	-7.419	-7.530	-7.653	-7.790	-7.941
	-8.105	-8.284	-8.478	-8.687	-8.912	-9.154	-9.412	-9.687	-9.978	-10.29
	-10.61	-10.96	-11.32	-11.70	-12.10	-12.52	-12.95	-13.41	-13.89	-14.39
	-14.91	-15.73	-16.91	-18.20	-19.60	-21.11	-22.75	-25.41	-29.57	-34.47
	-40.01	-25.60	-11.64	1.983						
0 28	15.99	4.628	-4.932	-7.347	-7.787	-7.666	-7.390	-7.143	-7.035	-7.009
	-7.052	-7.124	-7.184	-7.255	-7.338	-7.434	-7.543	-7.665	-7.801	-7.949
	-8.112	-8.289	-8.482	-8.689	-8.912	-9.151	-9.406	-9.678	-9.968	-10.27
	-10.60	-10.94	-11.30	-11.68	-12.08	-12.49	-12.93	-13.39	-13.86	-14.36
	-14.88	-15.70	-16.88	-18.16	-19.55	-21.06	-22.69	-25.35	-29.49	-34.39
	-40.77	-25.54	-11.60	1.983						
0 29	15.99	4.182	-5.941	-7.921	-8.095	-7.836	-7.489	-7.204	-7.082	-7.049
	-7.083	-7.150	-7.206	-7.275	-7.357	-7.451	-7.558	-7.679	-7.812	-7.960
	-8.121	-8.297	-8.488	-8.694	-8.915	-9.153	-9.406	-9.676	-9.963	-10.27
	-10.59	-10.93	-11.29	-11.66	-12.06	-12.47	-12.91	-13.36	-13.84	-14.33
	-14.85	-15.67	-16.84	-18.12	-19.51	-21.01	-22.64	-25.28	-29.41	-34.31
	-41.88	-25.48	-11.56	1.983						
0 30	15.98	3.708	-7.082	-8.528	-8.414	-8.013	-7.593	-7.267	-7.131	-7.091
	-7.116	-7.177	-7.231	-7.297	-7.377	-7.469	-7.574	-7.693	-7.826	-7.972
	-8.132	-8.307	-8.496	-8.700	-8.921	-9.156	-9.408	-9.676	-9.962	-10.26
	-10.58	-10.92	-11.27	-11.65	-12.04	-12.45	-12.89	-13.34	-13.81	-14.31
	-14.82	-15.63	-16.81	-18.08	-19.46	-20.96	-22.58	-25.21	-29.32	-34.19
	-40.58	-25.38	-11.52	1.983						
0 31	15.98	3.209	-8.374	-9.163	-8.742	-8.194	-7.698	-7.332	-7.181	-7.134
	-7.150	-7.206	-7.256	-7.320	-7.397	-7.487	-7.591	-7.708	-7.839	-7.984
	-8.143	-8.317	-8.505	-8.708	-8.927	-9.162	-9.412	-9.679	-9.963	-10.26
	-10.58	-10.92	-11.27	-11.64	-12.03	-12.44	-12.87	-13.32	-13.79	-14.28
	-14.80	-15.60	-16.77	-18.04	-19.42	-20.90	-22.52	-25.14	-29.23	-34.05
	-39.64	-25.26	-11.47	1.983						
0 32	15.98	2.688	-9.838	-9.822	-9.077	-8.379	-7.806	-7.399	-7.232	-7.177
	-7.185	-7.235	-7.283	-7.344	-7.418	-7.507	-7.609	-7.724	-7.854	-7.997
	-8.155	-8.327	-8.515	-8.717	-8.935	-9.168	-9.418	-9.683	-9.965	-10.26
	-10.58	-10.91	-11.26	-11.63	-12.02	-12.43	-12.86	-13.30	-13.77	-14.26
	-14.77	-15.57	-16.73	-18.00	-19.37	-20.85	-22.46	-25.06	-29.13	-33.91
	-39.01	-25.14	-11.42	1.983						
0 33	15.98	2.153	-11.50	-10.50	-9.416	-8.566	-7.916	-7.466	-7.284	-7.220
	-7.220	-7.265	-7.309	-7.368	-7.440	-7.526	-7.626	-7.740	-7.868	-8.011
	-8.167	-8.339	-8.525	-8.726	-8.943	-9.175	-9.423	-9.688	-9.969	-10.27
	-10.58	-10.91	-11.26	-11.63	-12.02	-12.42	-12.85	-13.29	-13.75	-14.24
	-14.75	-15.54	-16.70	-17.96	-19.32	-20.79	-22.39	-24.99	-29.03	-33.77
	-38.69	-25.03	-11.37	1.983						
0 34	15.98	1.612	-13.40	-11.18	-9.755	-8.755	-8.027	-7.535	-7.335	-7.263
	-7.255	-7.295	-7.336	-7.392	-7.462	-7.546	-7.644	-7.757	-7.883	-8.024
	-8.180	-8.350	-8.535	-8.735	-8.951	-9.182	-9.429	-9.693	-9.972	-10.27
	-10.58	-10.91	-11.26	-11.63	-12.01	-12.42	-12.84	-13.28	-13.74	-14.23
	-14.73	-15.52	-16.67	-17.91	-19.27	-20.74	-22.33	-24.91	-28.93	-33.64
	-38.67	-24.92	-11.32	1.983						
0 35	15.98	1.078	-15.58	-11.85	-10.09	-8.944	-8.138	-7.604	-7.388	-7.307
	-7.291	-7.325	-7.364	-7.417	-7.484	-7.566	-7.662	-7.773	-7.898	-8.038
	-8.192	-8.361	-8.545	-8.744	-8.959	-9.189	-9.435	-9.698	-9.976	-10.27
	-10.58	-10.91	-11.26	-11.63	-12.01	-12.41	-12.83	-13.27	-13.73	-14.21
	-14.71	-15.50	-16.64	-17.88	-19.22	-20.68	-22.26	-24.83	-28.82	-33.51
	-38.96	-24.82	-11.26	1.983						
0 36	15.98	0.5693	-18.08	-12.50	-10.43	-9.132	-8.249	-7.673	-7.440	-7.350
	-7.326	-7.356	-7.391	-7.441	-7.506	-7.586	-7.681	-7.790	-7.913	-8.052
	-8.205	-8.372	-8.555	-8.753	-8.967	-9.196	-9.441	-9.703	-9.980	-10.27
	-10.59	-10.91	-11.26	-11.62	-12.01	-12.41	-12.82	-13.26	-13.72	-14.20
	-14.70	-15.48	-16.61	-17.84	-19.18	-20.62	-22.19	-24.74	-28.71	-33.37
	-39.55	-24.71	-11.21	1.984						
0 37	15.99	0.1076	-20.97	-13.10	-10.75	-9.318	-8.360	-7.743	-7.492	-7.393
	-7.361	-7.386	-7.418	-7.466	-7.529	-7.606	-7.699	-7.806	-7.928	-8.065
	-8.217	-8.384	-8.566	-8.763	-8.975	-9.203	-9.447	-9.708	-9.984	-10.28
	-10.59	-10.91	-11.26	-11.62	-12.00	-12.40	-12.82	-13.25	-13.71	-14.19

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        -14.68     -15.46     -16.59     -17.81     -19.14     -20.57     -22.13     -24.66     -28.60     -33.23
        -40.49     -24.59     -11.15      1.991
0 38     15.98    -0.4681     -19.33     -13.88     -11.23     -9.593     -8.525     -7.846     -7.569     -7.456
        -7.414     -7.431     -7.459     -7.503     -7.562     -7.637     -7.726     -7.831     -7.951     -8.086
        -8.236     -8.401     -8.581     -8.776     -8.987     -9.214     -9.456     -9.715     -9.990     -10.28
        -10.59     -10.91     -11.26     -11.62     -12.00     -12.39     -12.81     -13.24     -13.70     -14.17
        -14.66     -15.44     -16.55     -17.77     -19.08     -20.50     -22.04     -24.54     -28.43     -32.95
        -38.28     -24.35     -11.06      1.984
0 39     15.99     -1.098     -18.69     -14.77     -11.82     -9.943     -8.737     -7.981     -7.670     -7.540
        -7.482     -7.491     -7.513     -7.552     -7.606     -7.677     -7.763     -7.864     -7.981     -8.113
        -8.260     -8.423     -8.600     -8.794     -9.002     -9.227     -9.467     -9.724     -9.996     -10.29
        -10.59     -10.91     -11.25     -11.61     -11.99     -12.38     -12.79     -13.22     -13.67     -14.14
        -14.63     -15.40     -16.51     -17.71     -19.01     -20.41     -21.93     -24.39     -28.22     -32.58
        -36.57     -24.03     -10.94      1.992
0 40     15.98     -2.017     -19.79     -16.04     -12.63     -10.43     -9.041     -8.176     -7.817     -7.661
        -7.582     -7.578     -7.592     -7.623     -7.671     -7.736     -7.816     -7.913     -8.025     -8.152
        -8.296     -8.454     -8.629     -8.819     -9.024     -9.246     -9.483     -9.736     -10.01     -10.29
        -10.59     -10.91     -11.25     -11.60     -11.97     -12.36     -12.77     -13.19     -13.64     -14.10
        -14.59     -15.34     -16.43     -17.61     -18.89     -20.27     -21.75     -24.16     -27.91     -32.15
        -35.66     -23.64     -10.76      1.984
0 41     15.98     -3.355     -26.75     -17.76     -13.50     -10.97     -9.384     -8.406     -7.993     -7.808
        -7.705     -7.685     -7.690     -7.712     -7.752     -7.809     -7.883     -7.973     -8.079     -8.202
        -8.340     -8.494     -8.664     -8.849     -9.050     -9.267     -9.500     -9.749     -10.01     -10.30
        -10.59     -10.91     -11.24     -11.59     -11.95     -12.33     -12.73     -13.15     -13.59     -14.04
        -14.52     -15.26     -16.33     -17.48     -18.72     -20.06     -21.50     -23.84     -27.49     -31.90
        -38.48     -23.48     -10.54      1.984
0 42     15.98     -3.740     -24.19     -18.39     -14.03     -11.34     -9.649     -8.596     -8.144     -7.936
        -7.813     -7.780     -7.777     -7.793     -7.826     -7.876     -7.944     -8.028     -8.129     -8.246
        -8.380     -8.529     -8.695     -8.876     -9.073     -9.286     -9.515     -9.760     -10.02     -10.30
        -10.59     -10.90     -11.22     -11.57     -11.93     -12.30     -12.70     -13.11     -13.54     -13.98
        -14.45     -15.17     -16.22     -17.34     -18.54     -19.84     -21.23     -23.48     -26.99     -31.22
        -35.71     -22.91     -10.26      1.985
0 43     15.98     -4.006     -28.32     -18.76     -14.24     -11.54     -9.828     -8.743     -8.265     -8.042
        -7.905     -7.862     -7.853     -7.862     -7.889     -7.934     -7.997     -8.076     -8.173     -8.285
        -8.415     -8.560     -8.721     -8.899     -9.092     -9.301     -9.526     -9.767     -10.02     -10.30
        -10.59     -10.89     -11.21     -11.55     -11.90     -12.27     -12.66     -13.06     -13.48     -13.92
        -14.38     -15.09     -16.10     -17.20     -18.36     -19.61     -20.95     -23.10     -26.43     -30.60
        -37.40     -22.40     -9.921      1.985
0 44     15.98     -3.256     -23.30     -17.99     -14.07     -11.57     -9.925     -8.845     -8.357     -8.125
        -7.979     -7.929     -7.915     -7.920     -7.943     -7.983     -8.042     -8.117     -8.209     -8.318
        -8.444     -8.586     -8.744     -8.918     -9.108     -9.314     -9.535     -9.773     -10.03     -10.29
        -10.58     -10.88     -11.20     -11.53     -11.88     -12.24     -12.62     -13.02     -13.43     -13.86
        -14.31     -15.01     -16.00     -17.06     -18.19     -19.39     -20.66     -22.69     -25.77     -29.44
        -33.55     -21.34     -9.482      1.986
0 45     15.98     -2.366     -24.74     -16.98     -13.65     -11.48     -9.953     -8.908     -8.422     -8.187
        -8.035     -7.981     -7.964     -7.965     -7.985     -8.022     -8.077     -8.150     -8.239     -8.345
        -8.468     -8.606     -8.762     -8.933     -9.120     -9.323     -9.542     -9.776     -10.03     -10.29
        -10.57     -10.87     -11.18     -11.51     -11.86     -12.22     -12.59     -12.98     -13.39     -13.81
        -14.25     -14.93     -15.90     -16.94     -18.03     -19.18     -20.39     -22.29     -25.06     -28.28
        -33.91     -20.28     -8.987      1.986
0 46     15.99    -0.5298     -16.08     -14.96     -13.02     -11.30     -9.936     -8.942     -8.464     -8.229
        -8.076     -8.019     -7.999     -7.999     -8.016     -8.051     -8.104     -8.174     -8.261     -8.365
        -8.485     -8.622     -8.775     -8.944     -9.129     -9.330     -9.546     -9.778     -10.03     -10.29
        -10.57     -10.86     -11.17     -11.50     -11.84     -12.19     -12.57     -12.95     -13.35     -13.77
        -14.20     -14.87     -15.83     -16.83     -17.89     -19.00     -20.15     -21.92     -24.34     -26.63
        -28.08     -18.71     -8.454      1.993
0 47     15.98      1.783     -9.514     -12.37     -12.12     -11.03     -9.882     -8.962     -8.499     -8.268
        -8.114     -8.055     -8.034     -8.031     -8.047     -8.080     -8.131     -8.199     -8.283     -8.385
        -8.503     -8.637     -8.788     -8.955     -9.138     -9.336     -9.550     -9.780     -10.03     -10.29
        -10.56     -10.85     -11.16     -11.48     -11.82     -12.17     -12.54     -12.92     -13.32     -13.73
        -14.15     -14.81     -15.74     -16.72     -17.75     -18.80     -19.88     -21.50     -23.46     -24.64
        -23.55     -16.80     -7.783      1.988
OHEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  2, STRESS PERIOD  2
0


        TIME SUMMARY AT END OF TIME STEP  2 IN STRESS PERIOD  2
                                SECONDS        MINUTES        HOURS          DAYS           YEARS
                           ----------------------------------------------------------------------------
      TIME STEP LENGTH        0.259200E+07    43200.0        720.000        30.0000        0.821355E-01
    STRESS PERIOD TIME        0.518400E+07    86400.0        1440.00        60.0000        0.164271
 TOTAL SIMULATION TIME        0.181440E+08    302400.        5040.00        210.000        0.574949
```

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1
    26 ITERATIONS FOR TIME STEP   3 IN STRESS PERIOD  2
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,CO
 ------------------------------------------------------------------------------------------------------------------------------------
   -5.288     (  1, 18, 51) -0.6910     (  2,  2, 49)  -1.315     (  2,  5, 47)  -2.176     (  2, 31, 45)  -2.345     (  2, 25, 31
   0.8568E-01 (  1, 25, 10) -0.1011     (  2,  3, 49) -0.1610     (  2,  3, 47) -0.1139     (  2,  5, 47) -0.1541     (  2, 18, 37
   0.1561E-01 (  1, 10, 42)  0.1640E-01 (  2,  7, 46)  0.2920E-01 (  2,  7, 46)  0.4853E-01 (  2, 21, 34)  0.2122E-01 (  2, 22, 11
   0.3390E-02 (  2, 10, 11)  0.6478E-02 (  2, 12, 13) -0.9262E-02 (  2, 18, 36)  0.1566E-01 (  2, 16, 18) -0.1102E-01 (  2, 24, 25
   0.2108E-02 (  1, 22, 27) -0.1668E-02 (  2, 17, 18) -0.4474E-02 (  2, 16, 17)  0.3583E-02 (  2, 23, 24)  0.5567E-02 (  2, 15, 17
  -0.9576E-03 (  2, 10, 11)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                    HEAD IN LAYER  1 AT END OF TIME STEP  3 IN STRESS PERIOD  2
            ---------------------------------------------------------------
```

	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54						
0 1	15.94	1.778	-10.02	-12.59	-12.31	-11.36	-10.41	-9.682	-9.352	-9.203
	-9.125	-9.117	-9.129	-9.157	-9.201	-9.262	-9.338	-9.429	-9.536	-9.657
	-9.794	-9.945	-10.11	-10.29	-10.49	-10.70	-10.92	-11.16	-11.41	-11.67
	-11.95	-12.24	-12.55	-12.87	-13.20	-13.55	-13.91	-14.28	-14.67	-15.06
	-15.48	-16.11	-17.00	-17.94	-18.91	-19.90	-20.91	-22.43	-24.26	-25.37
	-24.38	-17.16	-7.868	1.964						
0 2	15.86	-0.7892	-18.58	-15.54	-13.25	-11.61	-10.42	-9.627	-9.286	-9.138
	-9.063	-9.059	-9.074	-9.105	-9.153	-9.216	-9.296	-9.390	-9.500	-9.625
	-9.764	-9.919	-10.09	-10.27	-10.47	-10.68	-10.91	-11.15	-11.40	-11.67
	-11.95	-12.25	-12.56	-12.88	-13.22	-13.57	-13.94	-14.31	-14.71	-15.11
	-15.53	-16.18	-17.10	-18.06	-19.08	-20.13	-21.23	-22.92	-25.28	-27.75
	-30.50	-19.38	-8.632	1.928						
0 3	15.92	-1.781	-19.50	-16.66	-13.65	-11.64	-10.32	-9.499	-9.167	-9.028
	-8.964	-8.969	-8.990	-9.027	-9.080	-9.148	-9.233	-9.332	-9.447	-9.576
	-9.720	-9.879	-10.05	-10.24	-10.44	-10.66	-10.89	-11.13	-11.39	-11.66
	-11.95	-12.25	-12.57	-12.90	-13.24	-13.60	-13.97	-14.36	-14.76	-15.17
	-15.60	-16.27	-17.22	-18.22	-19.29	-20.41	-21.59	-23.45	-26.20	-29.24
	-31.79	-20.75	-9.254	1.960						
0 4	15.92	-2.452	-23.56	-17.37	-13.74	-11.55	-10.19	-9.376	-9.060	-8.932
	-8.880	-8.893	-8.919	-8.961	-9.019	-9.092	-9.181	-9.285	-9.403	-9.536
	-9.684	-9.846	-10.02	-10.21	-10.42	-10.64	-10.87	-11.12	-11.38	-11.66
	-11.95	-12.25	-12.57	-12.90	-13.25	-13.62	-13.99	-14.39	-14.79	-15.22
	-15.65	-16.34	-17.30	-18.34	-19.44	-20.60	-21.84	-23.82	-26.83	-30.41
	-35.35	-21.79	-9.666	1.959						
0 5	15.92	-2.435	-21.72	-17.20	-13.53	-11.31	-9.983	-9.211	-8.924	-8.814
	-8.778	-8.803	-8.835	-8.883	-8.947	-9.026	-9.120	-9.229	-9.352	-9.489
	-9.641	-9.808	-9.988	-10.18	-10.39	-10.61	-10.85	-11.10	-11.37	-11.65
	-11.94	-12.25	-12.57	-12.91	-13.27	-13.63	-14.02	-14.42	-14.83	-15.26
	-15.71	-16.40	-17.39	-18.46	-19.59	-20.80	-22.10	-24.18	-27.39	-31.18
	-34.92	-22.48	-10.02	1.958						
0 6	15.92	-2.191	-23.43	-16.72	-13.01	-10.92	-9.696	-9.004	-8.761	-8.676
	-8.661	-8.698	-8.739	-8.795	-8.865	-8.951	-9.051	-9.165	-9.294	-9.436
	-9.593	-9.763	-9.948	-10.15	-10.36	-10.59	-10.83	-11.08	-11.35	-11.63
	-11.93	-12.25	-12.57	-12.92	-13.28	-13.65	-14.04	-14.44	-14.87	-15.30
	-15.76	-16.47	-17.48	-18.57	-19.74	-20.99	-22.33	-24.51	-27.90	-32.01
	-37.58	-23.20	-10.33	1.957						
0 7	15.92	-1.153	-19.33	-15.23	-12.14	-10.37	-9.334	-8.760	-8.574	-8.520
	-8.530	-8.583	-8.633	-8.697	-8.776	-8.869	-8.975	-9.096	-9.230	-9.378
	-9.539	-9.714	-9.903	-10.11	-10.32	-10.55	-10.80	-11.06	-11.33	-11.62
	-11.92	-12.24	-12.57	-12.92	-13.28	-13.66	-14.06	-14.47	-14.90	-15.34
	-15.80	-16.53	-17.56	-18.68	-19.88	-21.17	-22.55	-24.80	-28.31	-32.45
	-36.44	-23.57	-10.56	1.956						
0 8	15.93	0.1812	-18.28	-13.38	-11.00	-9.688	-8.915	-8.490	-8.371	-8.352
	-8.390	-8.460	-8.520	-8.594	-8.681	-8.781	-8.895	-9.021	-9.161	-9.315
	-9.481	-9.661	-9.855	-10.06	-10.28	-10.52	-10.77	-11.03	-11.31	-11.60
	-11.90	-12.23	-12.56	-12.92	-13.28	-13.67	-14.07	-14.49	-14.92	-15.37
	-15.84	-16.58	-17.63	-18.77	-19.99	-21.31	-22.73	-25.04	-28.65	-32.97
	-38.64	-24.00	-10.74	1.956						

0 9	15.94	2.300	-10.84	-10.60	-9.645	-8.934	-8.465	-8.207	-8.161	-8.180
	-8.247	-8.334	-8.405	-8.488	-8.583	-8.691	-8.811	-8.944	-9.090	-9.249
	-9.420	-9.605	-9.803	-10.01	-10.24	-10.48	-10.73	-11.00	-11.28	-11.57
	-11.88	-12.21	-12.55	-12.91	-13.28	-13.67	-14.07	-14.50	-14.94	-15.39
	-15.87	-16.62	-17.69	-18.84	-20.09	-21.44	-22.88	-25.24	-28.90	-33.14
	-37.06	-24.13	-10.87	1.955						
0 10	15.90	4.323	-5.681	-7.954	-8.278	-8.175	-8.017	-7.927	-7.955	-8.010
	-8.106	-8.210	-8.290	-8.382	-8.486	-8.601	-8.727	-8.866	-9.018	-9.181
	-9.358	-9.547	-9.749	-9.964	-10.19	-10.43	-10.69	-10.96	-11.24	-11.54
	-11.86	-12.18	-12.53	-12.89	-13.27	-13.66	-14.07	-14.50	-14.94	-15.40
	-15.89	-16.64	-17.73	-18.90	-20.16	-21.53	-23.00	-25.39	-29.09	-33.44
	-38.86	-24.36	-10.97	1.916						
0 11	15.95	5.525	-3.159	-6.342	-7.370	-7.657	-7.708	-7.733	-7.810	-7.891
	-8.006	-8.122	-8.209	-8.307	-8.415	-8.535	-8.666	-8.809	-8.964	-9.130
	-9.310	-9.502	-9.706	-9.924	-10.15	-10.40	-10.66	-10.93	-11.21	-11.52
	-11.83	-12.16	-12.51	-12.87	-13.25	-13.65	-14.06	-14.49	-14.94	-15.40
	-15.89	-16.65	-17.74	-18.92	-20.20	-21.57	-23.05	-25.46	-29.19	-33.46
	-37.38	-24.37	-11.01	1.953						
0 12	15.95	6.206	-1.834	-5.418	-6.825	-7.340	-7.516	-7.612	-7.720	-7.816
	-7.943	-8.065	-8.157	-8.258	-8.370	-8.493	-8.626	-8.771	-8.927	-9.096
	-9.277	-9.471	-9.678	-9.897	-10.13	-10.37	-10.63	-10.91	-11.19	-11.50
	-11.81	-12.15	-12.49	-12.86	-13.24	-13.63	-14.05	-14.48	-14.93	-15.40
	-15.89	-16.65	-17.75	-18.93	-20.21	-21.60	-23.08	-25.50	-29.24	-33.50
	-37.21	-24.40	-11.04	1.955						
0 13	15.96	6.771	-0.7855	-4.638	-6.348	-7.057	-7.342	-7.499	-7.635	-7.746
	-7.884	-8.012	-8.107	-8.212	-8.327	-8.452	-8.588	-8.733	-8.890	-9.061
	-9.244	-9.439	-9.648	-9.870	-10.10	-10.35	-10.61	-10.88	-11.17	-11.48
	-11.79	-12.13	-12.48	-12.84	-13.22	-13.62	-14.04	-14.47	-14.92	-15.39
	-15.88	-16.64	-17.75	-18.94	-20.22	-21.61	-23.10	-25.53	-29.28	-33.59
	-37.95	-24.47	-11.06	1.955						
0 14	15.96	7.225	2.7375E-02	-4.002	-5.945	-6.813	-7.187	-7.396	-7.557	-7.680
	-7.828	-7.962	-8.061	-8.169	-8.288	-8.416	-8.552	-8.696	-8.849	-9.022
	-9.207	-9.403	-9.618	-9.844	-10.08	-10.33	-10.58	-10.86	-11.15	-11.45
	-11.77	-12.11	-12.46	-12.82	-13.21	-13.60	-14.02	-14.46	-14.91	-15.38
	-15.87	-16.64	-17.74	-18.93	-20.22	-21.62	-23.11	-25.55	-29.31	-33.68
	-39.28	-24.55	-11.08	1.955						
0 15	15.96	7.574	0.6360	-3.506	-5.622	-6.612	-7.051	-7.301	-7.485	-7.620
	-7.777	-7.916	-8.018	-8.130	-8.259	-8.391	-8.527	-8.668	-8.804	-8.973
	-9.162	-9.352	-9.586	-9.825	-10.07	-10.31	-10.55	-10.82	-11.11	-11.43
	-11.75	-12.09	-12.44	-12.80	-13.19	-13.59	-14.00	-14.44	-14.89	-15.36
	-15.85	-16.62	-17.73	-18.93	-20.22	-21.61	-23.12	-25.56	-29.33	-33.69
	-38.28	-24.56	-11.09	1.955						
0 16	15.96	7.822	1.063	-3.147	-5.381	-6.456	-6.926	-7.205	-7.415	-7.565
	-7.730	-7.873	-7.977	-8.092	-8.225	-8.365	-8.500	-8.644	-8.789	-8.949
	-9.115	-9.265	-9.526	-9.822	-10.11	-10.30	-10.52	-10.76	-11.06	-11.39
	-11.72	-12.06	-12.41	-12.78	-13.16	-13.56	-13.98	-14.42	-14.87	-15.34
	-15.84	-16.61	-17.71	-18.91	-20.21	-21.60	-23.11	-25.55	-29.33	-33.69
	-37.88	-24.57	-11.10	1.955						
0 17	15.96	7.975	1.323	-2.921	-5.224	-6.345	-6.789	-7.084	-7.340	-7.509
	-7.685	-7.832	-7.938	-8.054	-8.190	-8.346	-8.475	-8.613	-8.762	-8.922
	-9.083	-9.228	-9.490	-9.800	-10.09	-10.28	-10.50	-10.73	-11.03	-11.36
	-11.70	-12.04	-12.39	-12.76	-13.14	-13.54	-13.96	-14.39	-14.85	-15.32
	-15.81	-16.58	-17.69	-18.89	-20.19	-21.58	-23.09	-25.54	-29.32	-33.72
	-38.40	-24.60	-11.10	1.955						
0 18	15.96	8.036	1.426	-2.826	-5.152	-6.276	-6.574	-6.870	-7.232	-7.446
	-7.640	-7.791	-7.897	-8.008	-8.115	-8.277	-8.468	-8.586	-8.733	-8.891
	-9.050	-9.204	-9.467	-9.784	-10.06	-10.24	-10.47	-10.70	-10.99	-11.34
	-11.67	-12.01	-12.36	-12.73	-13.11	-13.51	-13.93	-14.37	-14.82	-15.30
	-15.79	-16.56	-17.67	-18.86	-20.16	-21.56	-23.06	-25.51	-29.29	-33.73
	-39.54	-24.61	-11.09	1.955						
0 19	15.96	8.005	1.374	-2.862	-5.164	-6.242	-6.091	-6.370	-7.028	-7.355
	-7.585	-7.742	-7.849	-7.962	-8.082	-8.214	-8.380	-8.527	-8.682	-8.840
	-8.978	-9.241	-9.482	-9.829	-9.996	-10.20	-10.43	-10.66	-10.96	-11.30
	-11.64	-11.98	-12.33	-12.70	-13.08	-13.48	-13.90	-14.34	-14.79	-15.26
	-15.76	-16.53	-17.63	-18.83	-20.12	-21.52	-23.02	-25.47	-29.25	-33.66
	-38.36	-24.56	-11.07	1.955						
0 20	15.96	7.883	1.165	-3.028	-5.261	-6.236	-4.814	-5.049	-6.559	-7.186
	-7.501	-7.666	-7.774	-7.887	-8.009	-8.141	-8.288	-8.440	-8.599	-8.761
	-8.900	-9.212	-9.454	-9.787	-9.942	-10.15	-10.39	-10.62	-10.93	-11.27
	-11.60	-11.94	-12.30	-12.66	-13.05	-13.45	-13.87	-14.30	-14.76	-15.23
	-15.72	-16.49	-17.60	-18.79	-20.08	-21.48	-22.98	-25.42	-29.19	-33.57
	-37.81	-24.50	-11.05	1.955						

0 21	15.96	7.666	0.7903	-3.327	-5.443	-6.268	-1.367	-1.510	-5.409	-6.837
	-7.338	-7.510	-7.616	-7.727	-7.848	-7.979	-8.122	-8.275	-8.442	-8.617
	-8.777	-9.148	-9.394	-9.695	-9.864	-10.09	-10.33	-10.58	-10.88	-11.22
	-11.55	-11.90	-12.25	-12.62	-13.01	-13.41	-13.83	-14.26	-14.72	-15.19
	-15.68	-16.45	-17.55	-18.75	-20.03	-21.42	-22.92	-25.35	-29.12	-33.50
	-38.17	-24.45	-11.02	1.955						
0 22	15.96	7.352	0.2364	-3.761	-5.710	-6.485	-4.937	-4.904	-2.623	-6.096
	-6.983	-7.129	-7.222	-7.327	-7.445	-7.575	-7.717	-7.874	-8.054	-8.269
	-8.522	-8.737	-9.020	-9.401	-9.674	-9.941	-10.22	-10.51	-10.81	-11.14
	-11.48	-11.82	-12.18	-12.56	-12.95	-13.35	-13.77	-14.21	-14.67	-15.14
	-15.63	-16.40	-17.50	-18.69	-19.98	-21.36	-22.85	-25.28	-29.03	-33.42
	-39.13	-24.38	-10.98	1.953						
0 23	15.93	6.934	-0.5197	-4.332	-6.057	-6.737	-6.345	-6.160	-0.3292	-4.612
	-6.162	-6.117	-6.166	-6.260	-6.375	-6.502	-6.643	-6.803	-7.002	-7.300
	-7.796	-8.142	-8.481	-8.900	-9.244	-9.570	-9.923	-10.26	-10.60	-10.96
	-11.31	-11.68	-12.06	-12.45	-12.85	-13.26	-13.69	-14.14	-14.60	-15.07
	-15.57	-16.34	-17.44	-18.63	-19.91	-21.29	-22.78	-25.19	-28.92	-33.26
	-37.79	-24.26	-10.93	1.922						
0 24	15.95	6.541	-1.259	-4.865	-6.372	-6.938	-6.815	-6.620	-1.352	-1.824
	-4.699	-3.998	-3.995	-4.088	-4.200	-4.323	-4.458	-4.610	-4.808	-5.196
	-6.385	-6.847	-7.271	-8.003	-8.447	-8.851	-9.369	-9.782	-10.18	-10.62
	-11.02	-11.42	-11.85	-12.27	-12.69	-13.13	-13.57	-14.03	-14.50	-14.99
	-15.49	-16.27	-17.38	-18.57	-19.85	-21.23	-22.71	-25.11	-28.83	-33.13
	-37.25	-24.16	-10.89	1.951						
0 25	15.95	6.252	-1.821	-5.257	-6.600	-7.078	-7.036	-6.863	-3.475	1.475
	-3.217	-1.552	-1.579	-1.682	-1.793	-1.911	-2.038	-2.178	-2.349	-2.700
	-4.940	-5.374	-5.826	-7.041	-7.547	-8.006	-8.759	-9.239	-9.683	-10.24
	-10.69	-11.13	-11.61	-12.06	-12.51	-12.98	-13.45	-13.92	-14.41	-14.91
	-15.42	-16.21	-17.33	-18.53	-19.81	-21.18	-22.66	-25.06	-28.76	-33.05
	-37.11	-24.09	-10.86	1.955						
0 26	15.95	5.934	-2.456	-5.683	-6.843	-7.223	-7.203	-7.053	-4.800	1.343
	-1.069	-3.702	-4.011	-4.155	-4.275	-4.398	-4.527	-4.664	-4.791	-4.763
	-2.903	-2.920	-3.282	-5.567	-6.038	-6.525	-7.780	-8.324	-8.824	-9.621
	-10.14	-10.63	-11.23	-11.73	-12.22	-12.74	-13.24	-13.74	-14.27	-14.79
	-15.32	-16.13	-17.27	-18.47	-19.76	-21.13	-22.61	-25.00	-28.69	-32.97
	-37.20	-24.04	-10.83	1.955						
0 27	15.95	5.589	-3.171	-6.144	-7.102	-7.373	-7.340	-7.205	-5.754	-2.347
	-3.702	-5.197	-5.520	-5.678	-5.803	-5.926	-6.056	-6.188	-6.295	-6.240
	-5.452	-5.398	-5.357	-3.494	-3.542	-3.938	-6.283	-6.793	-7.322	-8.630
	-9.217	-9.761	-10.61	-11.18	-11.71	-12.36	-12.91	-13.44	-14.03	-14.60
	-15.17	-16.00	-17.18	-18.40	-19.70	-21.07	-22.55	-24.94	-28.62	-32.90
	-37.49	-23.98	-10.79	1.955						
0 28	15.95	5.217	-3.976	-6.639	-7.375	-7.529	-7.461	-7.330	-6.414	-4.566
	-5.324	-6.188	-6.454	-6.606	-6.730	-6.853	-6.981	-7.111	-7.218	-7.218
	-6.923	-6.904	-6.838	-6.063	-6.040	-6.032	-4.178	-4.259	-4.695	-7.112
	-7.666	-8.238	-9.604	-10.24	-10.83	-11.73	-12.35	-12.94	-13.65	-14.29
	-14.93	-15.80	-17.04	-18.31	-19.62	-21.00	-22.48	-24.88	-28.54	-32.83
	-37.93	-23.92	-10.76	1.956						
0 29	15.95	4.818	-4.879	-7.166	-7.659	-7.689	-7.573	-7.436	-6.863	-5.876
	-6.310	-6.827	-7.033	-7.172	-7.292	-7.413	-7.539	-7.668	-7.783	-7.838
	-7.775	-7.812	-7.811	-7.539	-7.552	-7.521	-6.773	-6.787	-6.817	-4.969
	-5.088	-5.566	-8.063	-8.663	-9.283	-10.71	-11.40	-12.05	-13.03	-13.77
	-14.53	-15.48	-16.83	-18.17	-19.52	-20.91	-22.40	-24.80	-28.45	-32.74
	-38.25	-23.85	-10.72	1.956						
0 30	15.95	4.396	-5.893	-7.722	-7.954	-7.855	-7.681	-7.529	-7.168	-6.647
	-6.909	-7.236	-7.395	-7.520	-7.635	-7.753	-7.878	-8.007	-8.130	-8.225
	-8.273	-8.359	-8.425	-8.389	-8.460	-8.496	-8.258	-8.311	-8.319	-7.600
	-7.653	-7.722	-5.878	-6.035	-6.557	-9.145	-9.798	-10.48	-12.01	-12.87
	-13.89	-14.92	-16.48	-17.95	-19.37	-20.77	-22.29	-24.71	-28.35	-32.62
	-37.74	-23.76	-10.68	1.956						
0 31	15.94	3.953	-7.026	-8.304	-8.257	-8.024	-7.787	-7.612	-7.378	-7.107
	-7.277	-7.499	-7.625	-7.737	-7.847	-7.963	-8.086	-8.215	-8.345	-8.465
	-8.569	-8.690	-8.803	-8.882	-9.004	-9.107	-9.109	-9.221	-9.297	-9.097
	-9.191	-9.240	-8.550	-8.645	-8.755	-6.909	-7.109	-7.685	-10.41	-11.30
	-12.85	-13.95	-15.89	-17.60	-19.14	-20.57	-22.14	-24.61	-28.24	-32.49
	-37.12	-23.66	-10.64	1.956						
0 32	15.94	3.494	-8.289	-8.906	-8.566	-8.196	-7.892	-7.690	-7.527	-7.388
	-7.508	-7.671	-7.775	-7.877	-7.983	-8.095	-8.217	-8.346	-8.481	-8.615
	-8.747	-8.891	-9.035	-9.172	-9.329	-9.481	-9.599	-9.761	-9.906	-9.949
	-10.10	-10.22	-10.06	-10.20	-10.29	-9.631	-9.770	-9.927	-8.094	-8.513
	-11.24	-12.26	-14.89	-17.00	-18.77	-20.23	-21.91	-24.47	-28.10	-32.35
	-36.64	-23.56	-10.59	1.956						

0 33	15.94	3.025	-9.683	-9.521	-8.878	-8.370	-7.997	-7.764	-7.639	-7.567
	-7.659	-7.787	-7.877	-7.971	-8.072	-8.182	-8.302	-8.431	-8.568	-8.711
	-8.858	-9.015	-9.179	-9.345	-9.526	-9.709	-9.885	-10.08	-10.28	-10.44
	-10.64	-10.83	-10.92	-11.12	-11.28	-11.16	-11.34	-11.48	-10.82	-10.82
	-8.917	-9.352	-13.19	-15.99	-18.14	-19.65	-21.54	-24.28	-27.91	-32.19
	-36.35	-23.45	-10.54	1.956						
0 34	15.94	2.556	-11.20	-10.14	-9.192	-8.545	-8.102	-7.835	-7.727	-7.687
	-7.762	-7.869	-7.949	-8.037	-8.135	-8.242	-8.360	-8.489	-8.627	-8.774
	-8.929	-9.094	-9.268	-9.451	-9.646	-9.848	-10.05	-10.27	-10.50	-10.72
	-10.96	-11.20	-11.40	-11.65	-11.88	-12.01	-12.26	-12.46	-12.35	-12.39
	-11.74	-12.06	-10.36	-14.26	-17.08	-18.61	-20.90	-23.99	-27.63	-32.01
	-36.26	-23.34	-10.50	1.956						
0 35	15.94	2.097	-12.79	-10.75	-9.504	-8.720	-8.207	-7.904	-7.800	-7.774
	-7.836	-7.930	-8.003	-8.087	-8.181	-8.286	-8.402	-8.530	-8.668	-8.817
	-8.976	-9.146	-9.326	-9.517	-9.720	-9.933	-10.16	-10.39	-10.63	-10.88
	-11.15	-11.41	-11.68	-11.96	-12.24	-12.49	-12.79	-13.06	-13.21	-13.38
	-13.30	-13.69	-13.13	-11.36	-15.29	-16.75	-19.80	-23.52	-27.17	-31.78
	-36.33	-23.21	-10.44	1.957						
0 36	15.94	1.661	-14.35	-11.33	-9.811	-8.895	-8.311	-7.972	-7.863	-7.842
	-7.894	-7.978	-8.046	-8.126	-8.217	-8.320	-8.435	-8.561	-8.699	-8.848
	-9.009	-9.181	-9.365	-9.560	-9.768	-9.987	-10.22	-10.46	-10.71	-10.98
	-11.26	-11.54	-11.83	-12.14	-12.45	-12.76	-13.09	-13.42	-13.69	-13.96
	-14.16	-14.64	-14.76	-14.18	-12.31	-13.50	-17.88	-22.71	-26.35	-31.45
	-36.41	-23.07	-10.39	1.960						
0 37	15.96	1.259	-15.58	-11.88	-10.11	-9.068	-8.415	-8.038	-7.921	-7.898
	-7.942	-8.019	-8.083	-8.159	-8.248	-8.348	-8.461	-8.586	-8.723	-8.872
	-9.033	-9.206	-9.391	-9.589	-9.799	-10.02	-10.26	-10.50	-10.76	-11.04
	-11.32	-11.62	-11.92	-12.24	-12.58	-12.91	-13.27	-13.62	-13.96	-14.30
	-14.62	-15.18	-15.68	-15.81	-15.31	-16.38	-14.62	-21.29	-24.85	-30.89
	-36.13	-22.88	-10.33	1.975						
0 38	15.94	0.7186	-16.09	-12.62	-10.55	-9.323	-8.569	-8.137	-8.002	-7.972
	-8.004	-8.072	-8.131	-8.203	-8.288	-8.385	-8.496	-8.618	-8.754	-8.902
	-9.062	-9.235	-9.421	-9.620	-9.831	-10.06	-10.29	-10.54	-10.81	-11.09
	-11.38	-11.68	-12.00	-12.33	-12.68	-13.03	-13.41	-13.79	-14.18	-14.57
	-14.98	-15.62	-16.43	-17.16	-17.75	-18.85	-19.04	-17.69	-20.86	-29.43
	-33.85	-22.49	-10.24	1.959						
0 39	15.96	0.1212	-16.25	-13.46	-11.10	-9.648	-8.767	-8.265	-8.101	-8.057
	-8.076	-8.134	-8.187	-8.254	-8.334	-8.428	-8.534	-8.654	-8.787	-8.933
	-9.091	-9.263	-9.447	-9.645	-9.856	-10.08	-10.32	-10.57	-10.83	-11.11
	-11.41	-11.71	-12.03	-12.37	-12.72	-13.08	-13.46	-13.86	-14.26	-14.68
	-15.12	-15.80	-16.74	-17.70	-18.69	-19.87	-20.85	-21.97	-25.27	-23.71
	-26.64	-21.44	-10.10	1.977						
0 40	15.93	-0.7176	-17.37	-14.65	-11.85	-10.10	-9.051	-8.449	-8.242	-8.175
	-8.174	-8.220	-8.265	-8.325	-8.398	-8.486	-8.588	-8.703	-8.831	-8.973
	-9.129	-9.297	-9.479	-9.674	-9.883	-10.10	-10.34	-10.59	-10.85	-11.13
	-11.42	-11.73	-12.05	-12.38	-12.73	-13.10	-13.48	-13.87	-14.28	-14.71
	-15.15	-15.84	-16.82	-17.87	-19.00	-20.21	-21.48	-23.48	-26.76	-29.83
	-32.62	-17.68	-9.874	1.959						
0 41	15.92	-1.830	-22.31	-16.18	-12.66	-10.60	-9.372	-8.665	-8.409	-8.315
	-8.292	-8.323	-8.359	-8.410	-8.477	-8.557	-8.652	-8.762	-8.885	-9.021
	-9.172	-9.336	-9.514	-9.705	-9.909	-10.13	-10.36	-10.60	-10.86	-11.14
	-11.42	-11.73	-12.04	-12.37	-12.72	-13.08	-13.45	-13.84	-14.25	-14.67
	-15.10	-15.79	-16.76	-17.80	-18.91	-20.11	-21.39	-23.44	-26.64	-30.40
	-35.47	-21.48	-9.758	1.959						
0 42	15.92	-2.232	-21.31	-16.81	-13.15	-10.95	-9.620	-8.845	-8.552	-8.437
	-8.395	-8.414	-8.443	-8.487	-8.547	-8.621	-8.711	-8.815	-8.933	-9.065
	-9.211	-9.370	-9.544	-9.731	-9.932	-10.15	-10.37	-10.62	-10.87	-11.14
	-11.42	-11.72	-12.03	-12.36	-12.70	-13.05	-13.42	-13.80	-14.20	-14.61
	-15.04	-15.71	-16.66	-17.68	-18.76	-19.92	-21.15	-23.14	-26.22	-29.88
	-33.59	-21.46	-9.529	1.959						
0 43	15.92	-2.403	-23.80	-17.12	-13.34	-11.13	-9.789	-8.983	-8.667	-8.538
	-8.482	-8.492	-8.515	-8.553	-8.608	-8.677	-8.762	-8.861	-8.975	-9.102
	-9.244	-9.400	-9.570	-9.753	-9.951	-10.16	-10.39	-10.62	-10.88	-11.14
	-11.42	-11.71	-12.02	-12.34	-12.67	-13.02	-13.38	-13.76	-14.15	-14.56
	-14.98	-15.63	-16.56	-17.55	-18.60	-19.71	-20.89	-22.79	-25.70	-29.29
	-34.54	-21.01	-9.226	1.960						
0 44	15.92	-1.802	-20.48	-16.45	-13.20	-11.17	-9.881	-9.080	-8.755	-8.617
	-8.553	-8.556	-8.574	-8.609	-8.659	-8.724	-8.805	-8.900	-9.010	-9.134
	-9.273	-9.425	-9.592	-9.772	-9.966	-10.17	-10.39	-10.63	-10.88	-11.14
	-11.41	-11.70	-12.01	-12.32	-12.65	-12.99	-13.35	-13.72	-14.11	-14.50
	-14.91	-15.55	-16.46	-17.42	-18.43	-19.50	-20.63	-22.42	-25.09	-28.24
	-31.58	-20.08	-8.833	1.961						

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0 45   15.93     -0.9566     -20.38     -15.48     -12.81     -11.09     -9.910     -9.141     -8.817     -8.676
      -8.607     -8.605     -8.621     -8.652     -8.699     -8.762     -8.839     -8.931     -9.038     -9.160
      -9.295     -9.445     -9.609     -9.787     -9.978     -10.18     -10.40     -10.63     -10.88     -11.14
      -11.41     -11.69     -11.99     -12.31     -12.63     -12.97     -13.32     -13.69     -14.06     -14.46
      -14.86     -15.49     -16.37     -17.30     -18.28     -19.31     -20.38     -22.05     -24.43     -27.16
      -31.22     -19.09     -8.387      1.963
0 46   15.96      0.5914    -13.95     -13.67     -12.23     -10.93     -9.897     -9.174     -8.857     -8.717
      -8.645     -8.641     -8.655     -8.684     -8.729     -8.790     -8.865     -8.955     -9.060     -9.179
      -9.313     -9.460     -9.622     -9.797     -9.987     -10.19     -10.41     -10.64     -10.88     -11.14
      -11.40     -11.69     -11.98     -12.29     -12.61     -12.95     -13.30     -13.66     -14.03     -14.42
      -14.81     -15.43     -16.30     -17.21     -18.16     -19.15     -20.16     -21.71     -23.77     -25.66
      -26.56     -17.70     -7.909      1.981
0 47   15.94      2.612     -8.244     -11.32     -11.42     -10.68     -9.849     -9.194     -8.891     -8.753
      -8.682     -8.676     -8.688     -8.716     -8.759     -8.817     -8.890     -8.979     -9.081     -9.198
      -9.330     -9.475     -9.635     -9.808     -9.995     -10.20     -10.41     -10.64     -10.88     -11.13
      -11.40     -11.68     -11.97     -12.28     -12.60     -12.93     -13.27     -13.63     -14.00     -14.38
      -14.77     -15.37     -16.22     -17.10     -18.02     -18.96     -19.91     -21.32     -22.96     -23.84
      -22.54     -15.99     -7.308      1.966
1                    HEAD IN LAYER  2 AT END OF TIME STEP  3 IN STRESS PERIOD  2
          ----------------------------------------------------------------

            1          2          3          4          5          6          7          8          9         10
           11         12         13         14         15         16         17         18         19         20
           21         22         23         24         25         26         27         28         29         30
           31         32         33         34         35         36         37         38         39         40
           41         42         43         44         45         46         47         48         49         50
           51         52         53         54
 ..............................................................................................................
0  1   15.98     -4.6838E-02  -13.21     -16.10     -15.94     -14.99     -14.00     -13.23     -12.88     -12.71
      -12.63     -12.62     -12.63     -12.66     -12.70     -12.77     -12.85     -12.95     -13.06     -13.19
      -13.34     -13.50     -13.68     -13.88     -14.09     -14.32     -14.57     -14.82     -15.10     -15.39
      -15.69     -16.01     -16.35     -16.70     -17.06     -17.44     -17.83     -18.24     -18.66     -19.09
      -19.53     -20.22     -21.18     -22.18     -23.22     -24.27     -25.33     -26.90     -28.72     -29.70
      -28.33     -20.03     -9.405      1.986
0  2   15.95     -3.028     -23.69     -19.37     -16.97     -15.26     -14.02     -13.17     -12.80     -12.64
      -12.56     -12.55     -12.57     -12.60     -12.65     -12.72     -12.80     -12.90     -13.02     -13.16
      -13.31     -13.47     -13.66     -13.86     -14.07     -14.31     -14.55     -14.81     -15.09     -15.39
      -15.69     -16.02     -16.36     -16.71     -17.08     -17.46     -17.86     -18.27     -18.70     -19.14
      -19.60     -20.30     -21.29     -22.33     -23.41     -24.53     -25.68     -27.45     -29.86     -32.32
      -35.51     -22.54     -10.27      1.969
0  3   15.97     -4.113     -23.85     -20.57     -17.41     -15.29     -13.90     -13.03     -12.67     -12.52
      -12.45     -12.45     -12.47     -12.51     -12.57     -12.64     -12.73     -12.84     -12.96     -13.10
      -13.26     -13.43     -13.62     -13.82     -14.04     -14.28     -14.53     -14.80     -15.08     -15.38
      -15.69     -16.02     -16.37     -16.73     -17.10     -17.50     -17.90     -18.32     -18.76     -19.21
      -19.68     -20.40     -21.42     -22.51     -23.64     -24.84     -26.09     -28.04     -30.88     -33.97
      -36.55     -24.05     -10.97      1.984
0  4   15.97     -4.960     -29.79     -21.39     -17.50     -15.19     -13.75     -12.89     -12.55     -12.41
      -12.35     -12.36     -12.39     -12.44     -12.50     -12.58     -12.67     -12.78     -12.91     -13.06
      -13.22     -13.39     -13.59     -13.80     -14.02     -14.26     -14.51     -14.79     -15.07     -15.37
      -15.69     -16.03     -16.38     -16.74     -17.12     -17.52     -17.93     -18.36     -18.80     -19.26
      -19.74     -20.48     -21.52     -22.64     -23.81     -25.06     -26.37     -28.46     -31.58     -35.27
      -41.10     -25.25     -11.44      1.983
0  5   15.97     -4.875     -26.35     -21.16     -17.26     -14.92     -13.52     -12.70     -12.39     -12.28
      -12.24     -12.26     -12.30     -12.35     -12.42     -12.50     -12.60     -12.72     -12.86     -13.01
      -13.17     -13.35     -13.55     -13.76     -13.99     -14.23     -14.49     -14.77     -15.06     -15.37
      -15.69     -16.03     -16.38     -16.75     -17.14     -17.54     -17.96     -18.39     -18.85     -19.32
      -19.80     -20.55     -21.63     -22.77     -23.99     -25.28     -26.66     -28.86     -32.21     -36.12
      -40.01     -25.99     -11.84      1.983
0  6   15.97     -4.671     -29.65     -20.67     -16.68     -14.48     -13.20     -12.47     -12.21     -12.12
      -12.11     -12.15     -12.19     -12.25     -12.33     -12.42     -12.53     -12.65     -12.79     -12.95
      -13.12     -13.30     -13.51     -13.72     -13.96     -14.20     -14.47     -14.75     -15.04     -15.35
      -15.68     -16.02     -16.38     -16.76     -17.15     -17.56     -17.99     -18.43     -18.89     -19.37
      -19.86     -20.63     -21.73     -22.90     -24.16     -25.50     -26.93     -29.23     -32.77     -37.05
      -43.48     -26.82     -12.19      1.982
0  7   15.98     -3.424     -23.76     -18.99     -15.72     -13.87     -12.80     -12.20     -12.00     -11.95
      -11.96     -12.02     -12.07     -12.14     -12.23     -12.33     -12.44     -12.57     -12.72     -12.88
      -13.06     -13.25     -13.46     -13.68     -13.92     -14.17     -14.44     -14.72     -15.02     -15.34
      -15.67     -16.02     -16.38     -16.76     -17.16     -17.58     -18.01     -18.46     -18.92     -19.41
      -19.91     -20.70     -21.82     -23.02     -24.31     -25.69     -27.17     -29.55     -33.23     -37.53
      -41.68     -27.21     -12.45      1.982
0  8   15.98     -1.977     -24.22     -17.00     -14.47     -13.12     -12.33     -11.90     -11.78     -11.76
      -11.80     -11.88     -11.95     -12.03     -12.12     -12.23     -12.35     -12.49     -12.65     -12.81
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	-13.00	-13.19	-13.40	-13.63	-13.87	-14.13	-14.40	-14.69	-15.00	-15.32
	-15.65	-16.00	-16.37	-16.76	-17.16	-17.58	-18.02	-18.48	-18.95	-19.45
	-19.96	-20.76	-21.90	-23.13	-24.45	-25.86	-27.38	-29.83	-33.61	-38.12
	-44.62	-27.72	-12.67	1.982						
0 9	15.98	0.5084	-14.37	-13.90	-12.96	-12.28	-11.83	-11.58	-11.54	-11.57
	-11.64	-11.74	-11.82	-11.91	-12.01	-12.13	-12.26	-12.41	-12.57	-12.74
	-12.93	-13.13	-13.35	-13.58	-13.83	-14.09	-14.36	-14.66	-14.97	-15.29
	-15.63	-15.99	-16.36	-16.75	-17.16	-17.59	-18.03	-18.49	-18.97	-19.47
	-19.99	-20.80	-21.97	-23.22	-24.56	-26.00	-27.55	-30.05	-33.89	-38.30
	-42.37	-27.83	-12.81	1.981						
0 10	15.97	2.816	-8.402	-10.97	-11.45	-11.44	-11.33	-11.27	-11.31	-11.38
	-11.49	-11.60	-11.69	-11.79	-11.91	-12.03	-12.17	-12.32	-12.49	-12.67
	-12.86	-13.07	-13.29	-13.53	-13.78	-14.04	-14.32	-14.62	-14.93	-15.26
	-15.60	-15.96	-16.34	-16.74	-17.15	-17.58	-18.03	-18.50	-18.98	-19.49
	-20.01	-20.83	-22.01	-23.28	-24.64	-26.11	-27.68	-30.22	-34.11	-38.65
	-44.86	-28.13	-12.92	1.963						
0 11	15.99	4.166	-5.583	-9.197	-10.45	-10.87	-10.99	-11.06	-11.15	-11.25
	-11.38	-11.51	-11.60	-11.71	-11.83	-11.96	-12.10	-12.26	-12.43	-12.61
	-12.81	-13.02	-13.24	-13.48	-13.74	-14.00	-14.29	-14.59	-14.90	-15.23
	-15.58	-15.94	-16.32	-16.72	-17.13	-17.57	-18.02	-18.49	-18.98	-19.49
	-20.02	-20.84	-22.03	-23.31	-24.68	-26.16	-27.75	-30.30	-34.22	-38.65
	-42.74	-28.11	-12.97	1.981						
0 12	15.99	4.931	-4.096	-8.174	-9.850	-10.52	-10.78	-10.92	-11.05	-11.17
	-11.31	-11.44	-11.54	-11.66	-11.78	-11.91	-12.06	-12.22	-12.39	-12.58
	-12.77	-12.99	-13.21	-13.45	-13.71	-13.98	-14.26	-14.56	-14.88	-15.21
	-15.56	-15.92	-16.31	-16.70	-17.12	-17.56	-18.01	-18.48	-18.97	-19.48
	-20.02	-20.85	-22.04	-23.32	-24.70	-26.19	-27.78	-30.35	-34.28	-38.70
	-42.52	-28.14	-13.00	1.981						
0 13	15.99	5.564	-2.928	-7.312	-9.323	-10.20	-10.59	-10.80	-10.96	-11.09
	-11.24	-11.39	-11.49	-11.61	-11.73	-11.87	-12.02	-12.18	-12.35	-12.54
	-12.74	-12.95	-13.18	-13.42	-13.68	-13.95	-14.24	-14.54	-14.86	-15.19
	-15.54	-15.90	-16.29	-16.69	-17.11	-17.54	-18.00	-18.47	-18.96	-19.48
	-20.01	-20.84	-22.04	-23.33	-24.71	-26.20	-27.81	-30.38	-34.33	-38.81
	-43.45	-28.23	-13.03	1.981						
0 14	15.99	6.071	-2.025	-6.609	-8.879	-9.934	-10.42	-10.69	-10.88	-11.02
	-11.18	-11.33	-11.44	-11.56	-11.69	-11.83	-11.98	-12.14	-12.32	-12.50
	-12.71	-12.92	-13.15	-13.39	-13.65	-13.92	-14.21	-14.51	-14.83	-15.17
	-15.52	-15.88	-16.27	-16.67	-17.09	-17.53	-17.98	-18.46	-18.95	-19.47
	-20.00	-20.84	-22.04	-23.33	-24.72	-26.21	-27.82	-30.40	-34.36	-38.92
	-45.65	-28.34	-13.05	1.981						
0 15	15.99	6.461	-1.351	-6.061	-8.522	-9.713	-10.28	-10.59	-10.80	-10.95
	-11.13	-11.28	-11.39	-11.51	-11.64	-11.79	-11.94	-12.10	-12.28	-12.47
	-12.67	-12.89	-13.12	-13.36	-13.62	-13.90	-14.18	-14.49	-14.81	-15.14
	-15.49	-15.86	-16.25	-16.65	-17.07	-17.51	-17.96	-18.44	-18.94	-19.45
	-19.99	-20.82	-22.02	-23.32	-24.71	-26.21	-27.82	-30.41	-34.38	-38.92
	-43.81	-28.34	-13.06	1.981						
0 16	15.99	6.738	-0.8776	-5.664	-8.256	-9.544	-10.16	-10.51	-10.74	-10.90
	-11.08	-11.24	-11.35	-11.47	-11.61	-11.75	-11.90	-12.07	-12.25	-12.44
	-12.64	-12.86	-13.09	-13.33	-13.59	-13.87	-14.16	-14.46	-14.78	-15.12
	-15.47	-15.84	-16.22	-16.63	-17.05	-17.48	-17.94	-18.42	-18.91	-19.43
	-19.97	-20.80	-22.01	-23.31	-24.70	-26.20	-27.81	-30.41	-34.39	-38.92
	-43.27	-28.34	-13.07	1.981						
0 17	15.99	6.909	-0.5891	-5.415	-8.082	-9.429	-10.08	-10.45	-10.68	-10.85
	-11.04	-11.20	-11.31	-11.44	-11.57	-11.71	-11.87	-12.04	-12.21	-12.40
	-12.61	-12.83	-13.06	-13.30	-13.56	-13.84	-14.13	-14.43	-14.75	-15.09
	-15.44	-15.81	-16.20	-16.60	-17.02	-17.46	-17.92	-18.39	-18.89	-19.41
	-19.94	-20.78	-21.99	-23.28	-24.68	-26.18	-27.79	-30.39	-34.38	-38.96
	-43.95	-28.38	-13.07	1.981						
0 18	15.99	6.977	-0.4753	-5.310	-8.004	-9.369	-10.03	-10.40	-10.64	-10.81
	-11.00	-11.16	-11.28	-11.40	-11.54	-11.68	-11.84	-12.00	-12.18	-12.37
	-12.58	-12.80	-13.03	-13.27	-13.53	-13.81	-14.10	-14.40	-14.72	-15.06
	-15.41	-15.78	-16.17	-16.57	-16.99	-17.43	-17.89	-18.37	-18.86	-19.38
	-19.92	-20.75	-21.96	-23.26	-24.65	-26.15	-27.76	-30.36	-34.35	-38.99
	-45.93	-28.42	-13.06	1.981						
0 19	15.99	6.943	-0.5327	-5.350	-8.019	-9.367	-10.00	-10.37	-10.61	-10.78
	-10.97	-11.13	-11.25	-11.38	-11.51	-11.65	-11.81	-11.97	-12.15	-12.34
	-12.55	-12.77	-13.00	-13.24	-13.50	-13.78	-14.07	-14.37	-14.69	-15.03
	-15.38	-15.75	-16.14	-16.54	-16.96	-17.40	-17.86	-18.34	-18.83	-19.35
	-19.88	-20.72	-21.92	-23.22	-24.61	-26.11	-27.72	-30.32	-34.30	-38.89
	-43.91	-28.34	-13.04	1.981						
0 20	15.99	6.806	-0.7639	-5.533	-8.128	-9.421	-10.02	-10.36	-10.59	-10.76
	-10.95	-11.11	-11.23	-11.35	-11.48	-11.63	-11.78	-11.95	-12.13	-12.32

	-12.52	-12.74	-12.97	-13.21	-13.47	-13.75	-14.04	-14.34	-14.66	-15.00
	-15.35	-15.72	-16.11	-16.51	-16.93	-17.37	-17.82	-18.30	-18.80	-19.31
	-19.85	-20.68	-21.88	-23.18	-24.57	-26.07	-27.67	-30.26	-34.24	-38.79
	-43.19	-28.26	-13.02	1.981						
0 21	15.99	6.565	-1.178	-5.863	-8.331	-9.532	-10.06	-10.37	-10.58	-10.75
	-10.94	-11.09	-11.21	-11.33	-11.46	-11.60	-11.76	-11.92	-12.10	-12.29
	-12.49	-12.71	-12.94	-13.18	-13.44	-13.72	-14.01	-14.31	-14.63	-14.97
	-15.32	-15.69	-16.07	-16.47	-16.89	-17.33	-17.79	-18.26	-18.76	-19.27
	-19.81	-20.64	-21.84	-23.13	-24.52	-26.01	-27.61	-30.19	-34.15	-38.72
	-43.70	-28.21	-12.98	1.981						
0 22	15.99	6.214	-1.791	-6.341	-8.624	-9.698	-10.16	-10.42	-10.59	-10.75
	-10.93	-11.08	-11.19	-11.31	-11.44	-11.59	-11.74	-11.90	-12.08	-12.26
	-12.47	-12.68	-12.91	-13.16	-13.41	-13.69	-13.97	-14.28	-14.60	-14.93
	-15.28	-15.65	-16.03	-16.44	-16.85	-17.29	-17.75	-18.22	-18.71	-19.23
	-19.76	-20.59	-21.79	-23.07	-24.45	-25.94	-27.54	-30.11	-34.06	-38.64
	-45.51	-28.16	-12.94	1.981						
0 23	15.98	5.748	-2.628	-6.971	-9.005	-9.915	-10.29	-10.49	-10.62	-10.76
	-10.93	-11.08	-11.19	-11.31	-11.43	-11.57	-11.72	-11.88	-12.05	-12.24
	-12.44	-12.66	-12.88	-13.13	-13.38	-13.66	-13.94	-14.24	-14.56	-14.90
	-15.25	-15.61	-16.00	-16.40	-16.81	-17.25	-17.70	-18.18	-18.67	-19.18
	-19.71	-20.54	-21.73	-23.01	-24.39	-25.87	-27.45	-30.01	-33.94	-38.45
	-43.28	-28.00	-12.88	1.964						
0 24	15.99	5.308	-3.451	-7.560	-9.352	-10.11	-10.41	-10.56	-10.66	-10.78
	-10.94	-11.09	-11.19	-11.31	-11.43	-11.57	-11.71	-11.87	-12.04	-12.23
	-12.43	-12.64	-12.87	-13.11	-13.36	-13.63	-13.92	-14.22	-14.54	-14.87
	-15.22	-15.58	-15.97	-16.36	-16.78	-17.22	-17.67	-18.14	-18.63	-19.14
	-19.67	-20.49	-21.68	-22.96	-24.33	-25.80	-27.38	-29.93	-33.84	-38.30
	-42.58	-27.88	-12.83	1.981						
0 25	15.99	4.984	-4.075	-7.991	-9.602	-10.25	-10.49	-10.61	-10.70	-10.79
	-10.95	-11.09	-11.20	-11.31	-11.43	-11.57	-11.71	-11.87	-12.04	-12.23
	-12.42	-12.63	-12.86	-13.10	-13.35	-13.62	-13.90	-14.20	-14.52	-14.85
	-15.20	-15.56	-15.95	-16.34	-16.76	-17.19	-17.64	-18.11	-18.60	-19.11
	-19.64	-20.46	-21.65	-22.92	-24.29	-25.76	-27.33	-29.87	-33.76	-38.21
	-42.41	-27.81	-12.80	1.981						
0 26	15.99	4.628	-4.782	-8.461	-9.871	-10.41	-10.58	-10.67	-10.74	-10.82
	-10.97	-11.11	-11.21	-11.32	-11.44	-11.58	-11.72	-11.88	-12.05	-12.23
	-12.42	-12.63	-12.85	-13.09	-13.34	-13.61	-13.89	-14.19	-14.50	-14.84
	-15.18	-15.55	-15.93	-16.32	-16.74	-17.17	-17.62	-18.09	-18.58	-19.08
	-19.61	-20.43	-21.61	-22.88	-24.25	-25.71	-27.28	-29.81	-33.69	-38.13
	-42.54	-27.75	-12.76	1.982						
0 27	15.99	4.240	-5.580	-8.970	-10.16	-10.57	-10.68	-10.72	-10.78	-10.86
	-10.99	-11.13	-11.23	-11.34	-11.46	-11.59	-11.73	-11.89	-12.05	-12.23
	-12.42	-12.63	-12.85	-13.08	-13.33	-13.60	-13.88	-14.18	-14.49	-14.82
	-15.16	-15.53	-15.91	-16.30	-16.72	-17.15	-17.60	-18.06	-18.55	-19.06
	-19.58	-20.40	-21.58	-22.84	-24.20	-25.66	-27.23	-29.75	-33.61	-38.06
	-42.97	-27.69	-12.72	1.982						
0 28	15.98	3.820	-6.481	-9.515	-10.46	-10.73	-10.78	-10.78	-10.83	-10.90
	-11.02	-11.15	-11.25	-11.36	-11.48	-11.61	-11.75	-11.90	-12.06	-12.24
	-12.43	-12.64	-12.85	-13.09	-13.33	-13.60	-13.87	-14.17	-14.48	-14.81
	-15.15	-15.51	-15.89	-16.28	-16.69	-17.12	-17.57	-18.04	-18.52	-19.03
	-19.55	-20.37	-21.54	-22.80	-24.16	-25.61	-27.17	-29.68	-33.53	-37.98
	-43.73	-27.64	-12.68	1.982						
0 29	15.98	3.371	-7.498	-10.10	-10.77	-10.91	-10.88	-10.85	-10.88	-10.94
	-11.06	-11.18	-11.27	-11.38	-11.50	-11.62	-11.76	-11.91	-12.08	-12.25
	-12.44	-12.64	-12.86	-13.09	-13.34	-13.60	-13.87	-14.17	-14.47	-14.80
	-15.14	-15.50	-15.87	-16.26	-16.67	-17.10	-17.55	-18.01	-18.50	-19.00
	-19.52	-20.33	-21.50	-22.76	-24.11	-25.56	-27.11	-29.61	-33.44	-37.89
	-44.83	-27.57	-12.64	1.982						
0 30	15.98	2.892	-8.647	-10.71	-11.10	-11.09	-10.99	-10.91	-10.93	-10.98
	-11.09	-11.21	-11.30	-11.40	-11.52	-11.64	-11.78	-11.93	-12.09	-12.26
	-12.45	-12.65	-12.87	-13.10	-13.34	-13.60	-13.88	-14.17	-14.47	-14.79
	-15.13	-15.49	-15.86	-16.25	-16.66	-17.08	-17.52	-17.99	-18.47	-18.97
	-19.49	-20.30	-21.47	-22.72	-24.06	-25.50	-27.05	-29.54	-33.35	-37.77
	-43.53	-27.46	-12.60	1.982						
0 31	15.98	2.388	-9.947	-11.35	-11.43	-11.28	-11.10	-10.98	-10.98	-11.03
	-11.13	-11.24	-11.33	-11.43	-11.54	-11.66	-11.80	-11.94	-12.10	-12.28
	-12.46	-12.66	-12.88	-13.11	-13.35	-13.61	-13.88	-14.17	-14.47	-14.79
	-15.13	-15.48	-15.85	-16.24	-16.64	-17.06	-17.51	-17.96	-18.44	-18.94
	-19.46	-20.27	-21.43	-22.67	-24.01	-25.45	-26.99	-29.46	-33.25	-37.62
	-42.58	-27.35	-12.55	1.982						
0 32	15.98	1.862	-11.42	-12.02	-11.77	-11.47	-11.21	-11.05	-11.03	-11.07
	-11.16	-11.27	-11.35	-11.45	-11.56	-11.68	-11.81	-11.96	-12.12	-12.29

	-12.48	-12.67	-12.89	-13.11	-13.36	-13.61	-13.88	-14.17	-14.47	-14.79
	-15.13	-15.48	-15.85	-16.23	-16.63	-17.05	-17.49	-17.95	-18.42	-18.92
	-19.43	-20.23	-21.39	-22.63	-23.96	-25.39	-26.92	-29.39	-33.15	-37.48
	-41.95	-27.22	-12.50	1.982						
0 33	15.98	1.322	-13.10	-12.71	-12.12	-11.66	-11.32	-11.12	-11.09	-11.12
	-11.20	-11.30	-11.38	-11.47	-11.58	-11.70	-11.83	-11.98	-12.13	-12.30
	-12.49	-12.69	-12.90	-13.12	-13.36	-13.62	-13.89	-14.18	-14.48	-14.79
	-15.13	-15.48	-15.84	-16.23	-16.63	-17.04	-17.48	-17.93	-18.41	-18.90
	-19.41	-20.20	-21.35	-22.58	-23.91	-25.33	-26.85	-29.31	-33.04	-37.34
	-41.63	-27.11	-12.44	1.982						
0 34	15.98	0.7764	-15.00	-13.40	-12.46	-11.85	-11.43	-11.19	-11.14	-11.16
	-11.23	-11.33	-11.41	-11.50	-11.60	-11.72	-11.85	-11.99	-12.15	-12.32
	-12.50	-12.70	-12.91	-13.13	-13.37	-13.63	-13.90	-14.18	-14.48	-14.80
	-15.13	-15.48	-15.84	-16.22	-16.62	-17.04	-17.47	-17.92	-18.39	-18.88
	-19.39	-20.18	-21.31	-22.54	-23.86	-25.27	-26.79	-29.22	-32.94	-37.20
	-41.61	-27.00	-12.39	1.982						
0 35	15.98	0.2379	-17.19	-14.08	-12.81	-12.05	-11.55	-11.26	-11.20	-11.20
	-11.27	-11.36	-11.44	-11.53	-11.63	-11.74	-11.87	-12.01	-12.16	-12.33
	-12.51	-12.71	-12.92	-13.14	-13.38	-13.63	-13.90	-14.18	-14.48	-14.80
	-15.13	-15.48	-15.84	-16.22	-16.62	-17.03	-17.46	-17.91	-18.38	-18.86
	-19.37	-20.16	-21.28	-22.50	-23.81	-25.21	-26.72	-29.14	-32.83	-37.07
	-41.89	-26.89	-12.34	1.982						
0 36	15.98	-0.2762	-19.70	-14.74	-13.15	-12.24	-11.66	-11.33	-11.25	-11.25
	-11.31	-11.39	-11.47	-11.55	-11.65	-11.76	-11.89	-12.03	-12.18	-12.35
	-12.53	-12.72	-12.93	-13.15	-13.39	-13.64	-13.91	-14.19	-14.49	-14.80
	-15.13	-15.48	-15.84	-16.22	-16.61	-17.02	-17.45	-17.90	-18.37	-18.85
	-19.35	-20.14	-21.26	-22.46	-23.76	-25.15	-26.65	-29.05	-32.71	-36.93
	-42.48	-26.78	-12.28	1.983						
0 37	15.99	-0.7427	-22.60	-15.34	-13.48	-12.43	-11.78	-11.41	-11.30	-11.29
	-11.34	-11.43	-11.49	-11.58	-11.67	-11.78	-11.91	-12.04	-12.19	-12.36
	-12.54	-12.73	-12.94	-13.16	-13.40	-13.65	-13.91	-14.19	-14.49	-14.80
	-15.13	-15.48	-15.84	-16.21	-16.61	-17.02	-17.45	-17.89	-18.36	-18.84
	-19.34	-20.12	-21.23	-22.43	-23.72	-25.10	-26.58	-28.96	-32.59	-36.77
	-43.41	-26.65	-12.22	1.991						
0 38	15.98	-1.325	-20.97	-16.14	-13.97	-12.71	-11.95	-11.51	-11.38	-11.36
	-11.40	-11.47	-11.54	-11.61	-11.71	-11.81	-11.93	-12.07	-12.22	-12.38
	-12.56	-12.75	-12.95	-13.17	-13.41	-13.66	-13.92	-14.20	-14.50	-14.81
	-15.13	-15.47	-15.83	-16.21	-16.60	-17.01	-17.43	-17.88	-18.34	-18.82
	-19.31	-20.09	-21.19	-22.38	-23.66	-25.02	-26.49	-28.83	-32.42	-36.49
	-41.19	-26.41	-12.13	1.983						
0 39	15.99	-1.964	-20.34	-17.04	-14.57	-13.07	-12.17	-11.65	-11.49	-11.45
	-11.47	-11.53	-11.59	-11.67	-11.75	-11.85	-11.97	-12.10	-12.25	-12.41
	-12.58	-12.77	-12.97	-13.19	-13.42	-13.67	-13.93	-14.21	-14.50	-14.81
	-15.13	-15.47	-15.83	-16.20	-16.59	-16.99	-17.42	-17.86	-18.31	-18.79
	-19.28	-20.04	-21.14	-22.32	-23.58	-24.92	-26.37	-28.68	-32.20	-36.11
	-39.47	-26.08	-12.00	1.991						
40	15.98	-2.896	-21.47	-18.33	-15.40	-13.58	-12.48	-11.86	-11.64	-11.57
	-11.58	-11.63	-11.67	-11.74	-11.82	-11.92	-12.03	-12.15	-12.29	-12.45
	-12.62	-12.80	-13.00	-13.21	-13.44	-13.69	-13.95	-14.22	-14.51	-14.81
	-15.13	-15.47	-15.82	-16.19	-16.57	-16.97	-17.39	-17.82	-18.27	-18.74
	-19.23	-19.98	-21.06	-22.22	-23.45	-24.77	-26.18	-28.44	-31.87	-35.67
	-38.55	-25.67	-11.82	1.983						
0 41	15.97	-4.247	-28.45	-20.07	-16.29	-14.13	-12.84	-12.10	-11.83	-11.73
	-11.70	-11.74	-11.78	-11.83	-11.90	-11.99	-12.10	-12.21	-12.35	-12.50
	-12.66	-12.84	-13.04	-13.24	-13.47	-13.71	-13.96	-14.23	-14.51	-14.81
	-15.13	-15.46	-15.81	-16.17	-16.54	-16.94	-17.35	-17.77	-18.22	-18.68
	-19.15	-19.89	-20.94	-22.07	-23.27	-24.55	-25.91	-28.10	-31.44	-35.39
	-41.35	-25.51	-11.59	1.983						
0 42	15.97	-4.642	-25.91	-20.72	-16.84	-14.52	-13.12	-12.30	-11.99	-11.86
	-11.82	-11.84	-11.87	-11.92	-11.98	-12.06	-12.16	-12.27	-12.40	-12.54
	-12.70	-12.88	-13.07	-13.27	-13.49	-13.72	-13.97	-14.24	-14.52	-14.81
	-15.12	-15.45	-15.79	-16.14	-16.52	-16.90	-17.31	-17.72	-18.16	-18.61
	-19.07	-19.79	-20.82	-21.92	-23.08	-24.32	-25.63	-27.72	-30.92	-34.69
	-38.56	-24.92	-11.30	1.983						
0 43	15.97	-4.912	-30.05	-21.11	-17.06	-14.73	-13.31	-12.45	-12.11	-11.97
	-11.91	-11.92	-11.95	-11.99	-12.05	-12.12	-12.21	-12.32	-12.44	-12.58
	-12.74	-12.91	-13.09	-13.29	-13.51	-13.74	-13.98	-14.24	-14.52	-14.81
	-15.12	-15.44	-15.77	-16.12	-16.49	-16.87	-17.26	-17.67	-18.10	-18.54
	-18.99	-19.70	-20.70	-21.77	-22.89	-24.08	-25.33	-27.32	-30.33	-34.05
	-40.23	-24.39	-10.95	1.984						
0 44	15.97	-4.161	-25.02	-20.34	-16.90	-14.77	-13.41	-12.56	-12.21	-12.06
	-11.99	-11.99	-12.01	-12.05	-12.10	-12.17	-12.26	-12.36	-12.48	-12.62

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       -12.77      -12.93      -13.12      -13.31      -13.52      -13.75      -13.99      -14.25      -14.52      -14.81
       -15.11      -15.42      -15.75      -16.10      -16.46      -16.83      -17.22      -17.63      -18.04      -18.48
       -18.92      -19.61      -20.59      -21.62      -22.70      -23.84      -25.03      -26.90      -29.65      -32.86
       -36.35      -23.31      -10.50       1.984
0 45    15.98      -3.267      -26.46      -19.32      -16.48      -14.68      -13.45      -12.63      -12.28      -12.13
       -12.05      -12.05      -12.06      -12.10      -12.15      -12.21      -12.30      -12.40      -12.51      -12.64
       -12.79      -12.95      -13.13      -13.33      -13.54      -13.76      -14.00      -14.25      -14.52      -14.80
       -15.10      -15.41      -15.74      -16.08      -16.43      -16.80      -17.19      -17.58      -18.00      -18.42
       -18.86      -19.53      -20.49      -21.49      -22.53      -23.62      -24.74      -26.48      -28.92      -31.68
       -36.69      -22.23      -9.996       1.985
0 46    15.99      -1.424      -17.79      -17.29      -15.85      -14.51      -13.43      -12.67      -12.33      -12.17
       -12.09      -12.09      -12.10      -12.13      -12.18      -12.25      -12.33      -12.42      -12.54      -12.67
       -12.81      -12.97      -13.15      -13.34      -13.54      -13.77      -14.00      -14.25      -14.52      -14.80
       -15.09      -15.40      -15.73      -16.06      -16.41      -16.78      -17.16      -17.55      -17.96      -18.37
       -18.81      -19.47      -20.40      -21.38      -22.39      -23.43      -24.50      -26.10      -28.19      -30.01
       -30.83      -20.65      -9.455       1.993
0 47    15.98      0.8986      -11.20      -14.70      -14.95      -14.23      -13.38      -12.69      -12.36      -12.22
       -12.14      -12.13      -12.14      -12.17      -12.21      -12.28      -12.35      -12.45      -12.56      -12.69
       -12.83      -12.99      -13.16      -13.35      -13.55      -13.77      -14.00      -14.25      -14.52      -14.79
       -15.09      -15.39      -15.71      -16.05      -16.39      -16.75      -17.13      -17.51      -17.91      -18.33
       -18.75      -19.40      -20.31      -21.26      -22.24      -23.23      -24.22      -25.66      -27.29      -28.00
       -26.28      -18.72      -8.774       1.987
OHEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  3, STRESS PERIOD  2
0


          TIME SUMMARY AT END OF TIME STEP  3 IN STRESS PERIOD  2
                                 SECONDS        MINUTES         HOURS           DAYS            YEARS
                              ---------------------------------------------------------------------------
      TIME STEP LENGTH        0.259200E+07    43200.0         720.000         30.0000         0.821355E-01
    STRESS PERIOD TIME        0.777600E+07    129600.         2160.00         90.0000         0.246407
 TOTAL SIMULATION TIME        0.207360E+08    345600.         5760.00         240.000         0.657084
1
    26 ITERATIONS FOR TIME STEP   4 IN STRESS PERIOD  2
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,CO:
 ---------------------------------------------------------------------------------------------------------------------------
   -3.121      (  1, 18, 51) -0.5193     (  1, 20, 25) -0.9681     (  2,  4, 46)  -1.729     (  2,  3, 32)  -1.961     (  2, 27, 29
   0.7688E-01 (  1, 25, 10) -0.7747E-01 (  2,  2, 48) -0.1327     (  2,  3, 47) -0.1029     (  2,  5, 46) -0.1095     (  2, 19, 36
   0.1111E-01 (  1, 10, 42)  0.1163E-01 (  2,  7, 45)  0.2108E-01 (  2,  8, 46)  0.3318E-01 (  2, 20, 34) -0.1918E-01 (  2, 29, 27
   0.2817E-02 (  2, 10, 11)  0.5554E-02 (  2, 16, 17) -0.7147E-02 (  2, 17, 36)  0.1339E-01 (  2, 18, 19) -0.8674E-02 (  2, 23, 24
   0.1811E-02 (  1, 22, 27) -0.1300E-02 (  2, 17, 18) -0.3727E-02 (  2, 17, 18)  0.2575E-02 (  2, 23, 23)  0.4748E-02 (  2, 15, 17
  -0.8556E-03 (  2, 10, 11)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                      HEAD IN LAYER  1 AT END OF TIME STEP  4 IN STRESS PERIOD  2
            ---------------------------------------------------------------------

             1           2           3           4           5           6           7           8           9          10
            11          12          13          14          15          16          17          18          19          20
            21          22          23          24          25          26          27          28          29          30
            31          32          33          34          35          36          37          38          39          40
            41          42          43          44          45          46          47          48          49          50
            51          52          53          54
 ---------------------------------------------------------------------------------------------------------------------------
0  1    15.93      0.5330      -12.40      -15.53      -15.57      -14.81      -14.01      -13.39      -13.13      -13.03
       -12.99      -13.01      -13.05      -13.09      -13.16      -13.24      -13.33      -13.45      -13.57      -13.71
       -13.87      -14.04      -14.23      -14.43      -14.64      -14.87      -15.11      -15.37      -15.64      -15.92
       -16.22      -16.53      -16.86      -17.19      -17.54      -17.91      -18.28      -18.67      -19.07      -19.48
       -19.90      -20.55      -21.46      -22.40      -23.36      -24.35      -25.33      -26.77      -28.42      -29.22
       -27.69      -19.50      -9.058       1.960
0  2    15.85      -2.142      -21.42      -18.64      -16.56      -15.07      -14.02      -13.33      -13.06      -12.96
       -12.92      -12.95      -12.99      -13.04      -13.11      -13.19      -13.29      -13.40      -13.53      -13.68
       -13.84      -14.01      -14.20      -14.40      -14.62      -14.85      -15.10      -15.36      -15.63      -15.92
       -16.22      -16.54      -16.86      -17.21      -17.56      -17.93      -18.31      -18.71      -19.11      -19.53
       -19.96      -20.63      -21.56      -22.54      -23.55      -24.59      -25.66      -27.30      -29.51      -31.74
       -34.19      -21.84      -9.862       1.920
0  3    15.92      -3.181      -22.38      -19.82      -16.97      -15.10      -13.91      -13.19      -12.93      -12.84
       -12.82      -12.85      -12.89      -12.95      -13.03      -13.11      -13.22      -13.34      -13.47      -13.62
       -13.79      -13.97      -14.16      -14.37      -14.59      -14.83      -15.08      -15.34      -15.62      -15.91
       -16.22      -16.54      -16.87      -17.22      -17.58      -17.96      -18.35      -18.75      -19.17      -19.60
```

	-20.04	-20.73	-21.69	-22.71	-23.77	-24.89	-26.05	-27.87	-30.49	-33.33
	-35.53	-23.28	-10.52	1.956						
0 4	15.92	-3.869	-26.71	-20.57	-17.06	-15.00	-13.76	-13.06	-12.81	-12.73
	-12.72	-12.77	-12.82	-12.88	-12.96	-13.05	-13.16	-13.29	-13.43	-13.58
	-13.75	-13.93	-14.13	-14.34	-14.57	-14.81	-15.06	-15.33	-15.61	-15.91
	-16.22	-16.54	-16.88	-17.23	-17.60	-17.98	-18.38	-18.79	-19.21	-19.65
	-20.10	-20.80	-21.79	-22.83	-23.94	-25.10	-26.33	-28.27	-31.16	-34.57
	-39.39	-24.38	-10.95	1.955						
0 5	15.92	-3.854	-24.72	-20.38	-16.82	-14.74	-13.54	-12.88	-12.66	-12.60
	-12.61	-12.67	-12.73	-12.80	-12.88	-12.98	-13.10	-13.23	-13.37	-13.53
	-13.70	-13.89	-14.09	-14.31	-14.54	-14.78	-15.04	-15.31	-15.60	-15.90
	-16.21	-16.54	-16.88	-17.24	-17.62	-18.00	-18.40	-18.82	-19.25	-19.70
	-20.16	-20.87	-21.89	-22.96	-24.11	-25.32	-26.60	-28.65	-31.76	-35.40
	-38.86	-25.12	-11.33	1.954						
0 6	15.92	-3.586	-26.55	-19.86	-16.27	-14.31	-13.22	-12.65	-12.49	-12.45
	-12.48	-12.56	-12.62	-12.70	-12.79	-12.90	-13.02	-13.16	-13.31	-13.47
	-13.65	-13.84	-14.05	-14.27	-14.50	-14.75	-15.01	-15.29	-15.58	-15.89
	-16.20	-16.54	-16.89	-17.25	-17.63	-18.02	-18.43	-18.85	-19.29	-19.74
	-20.21	-20.95	-21.98	-23.09	-24.27	-25.52	-26.86	-29.01	-32.31	-36.28
	-41.78	-25.87	-11.65	1.953						
0 7	15.92	-2.501	-22.16	-18.27	-15.34	-13.72	-12.83	-12.39	-12.28	-12.28
	-12.34	-12.43	-12.50	-12.59	-12.69	-12.81	-12.94	-13.08	-13.24	-13.41
	-13.59	-13.79	-14.00	-14.23	-14.46	-14.72	-14.98	-15.26	-15.56	-15.87
	-16.19	-16.53	-16.88	-17.25	-17.64	-18.03	-18.45	-18.88	-19.33	-19.79
	-20.27	-21.01	-22.07	-23.21	-24.42	-25.71	-27.09	-29.32	-32.75	-36.75
	-40.49	-26.28	-11.90	1.952						
0 8	15.92	-1.093	-21.05	-16.31	-14.13	-13.00	-12.38	-12.09	-12.06	-12.10
	-12.19	-12.30	-12.38	-12.48	-12.59	-12.72	-12.85	-13.00	-13.16	-13.34
	-13.53	-13.73	-13.95	-14.18	-14.42	-14.68	-14.95	-15.23	-15.53	-15.85
	-16.18	-16.52	-16.88	-17.25	-17.64	-18.04	-18.46	-18.90	-19.35	-19.82
	-20.31	-21.07	-22.15	-23.31	-24.55	-25.87	-27.29	-29.59	-33.12	-37.31
	-42.93	-26.72	-12.10	1.952						
0 9	15.93	1.124	-13.17	-13.36	-12.68	-12.19	-11.90	-11.79	-11.84	-11.91
	-12.04	-12.16	-12.26	-12.37	-12.49	-12.62	-12.76	-12.92	-13.09	-13.27
	-13.46	-13.67	-13.89	-14.13	-14.38	-14.64	-14.91	-15.20	-15.50	-15.82
	-16.15	-16.50	-16.86	-17.24	-17.63	-18.04	-18.47	-18.91	-19.37	-19.85
	-20.34	-21.11	-22.21	-23.39	-24.65	-26.01	-27.46	-29.80	-33.39	-37.50
	-41.16	-26.87	-12.24	1.951						
0 10	15.89	3.247	-7.747	-10.56	-11.23	-11.38	-11.42	-11.49	-11.61	-11.73
	-11.88	-12.03	-12.13	-12.25	-12.38	-12.52	-12.67	-12.84	-13.01	-13.20
	-13.40	-13.61	-13.84	-14.07	-14.33	-14.59	-14.87	-15.16	-15.47	-15.79
	-16.13	-16.48	-16.84	-17.22	-17.62	-18.04	-18.47	-18.91	-19.38	-19.86
	-20.36	-21.14	-22.25	-23.45	-24.73	-26.11	-27.58	-29.96	-33.60	-37.82
	-43.18	-27.11	-12.34	1.909						
0 11	15.94	4.514	-5.087	-8.846	-10.26	-10.82	-11.09	-11.28	-11.46	-11.60
	-11.78	-11.93	-12.05	-12.17	-12.30	-12.45	-12.61	-12.77	-12.95	-13.14
	-13.35	-13.56	-13.79	-14.03	-14.29	-14.55	-14.83	-15.13	-15.44	-15.76
	-16.10	-16.45	-16.82	-17.21	-17.61	-18.02	-18.46	-18.91	-19.37	-19.86
	-20.36	-21.15	-22.27	-23.48	-24.77	-26.16	-27.64	-30.04	-33.70	-37.84
	-41.50	-27.13	-12.39	1.949						
0 12	15.95	5.231	-3.690	-7.867	-9.678	-10.49	-10.88	-11.15	-11.36	-11.52
	-11.71	-11.87	-11.99	-12.12	-12.26	-12.40	-12.56	-12.73	-12.91	-13.11
	-13.31	-13.53	-13.76	-14.00	-14.26	-14.53	-14.81	-15.11	-15.42	-15.74
	-16.08	-16.44	-16.81	-17.19	-17.59	-18.01	-18.45	-18.90	-19.37	-19.85
	-20.36	-21.15	-22.28	-23.49	-24.79	-26.18	-27.68	-30.09	-33.76	-37.89
	-41.33	-27.17	-12.42	1.951						
0 13	15.95	5.827	-2.583	-7.040	-9.170	-10.18	-10.70	-11.03	-11.27	-11.45
	-11.64	-11.82	-11.94	-12.07	-12.21	-12.36	-12.52	-12.69	-12.87	-13.07
	-13.28	-13.50	-13.73	-13.97	-14.23	-14.50	-14.78	-15.08	-15.39	-15.72
	-16.06	-16.42	-16.79	-17.17	-17.58	-18.00	-18.43	-18.89	-19.36	-19.85
	-20.35	-21.15	-22.28	-23.49	-24.80	-26.20	-27.70	-30.12	-33.81	-37.98
	-42.13	-27.24	-12.44	1.951						
0 14	15.95	6.306	-1.724	-6.365	-8.742	-9.922	-10.53	-10.92	-11.19	-11.38
	-11.59	-11.76	-11.89	-12.02	-12.17	-12.32	-12.48	-12.65	-12.83	-13.03
	-13.24	-13.46	-13.70	-13.95	-14.21	-14.48	-14.76	-15.05	-15.37	-15.70
	-16.04	-16.40	-16.77	-17.16	-17.56	-17.98	-18.42	-18.87	-19.34	-19.84
	-20.34	-21.14	-22.27	-23.49	-24.80	-26.21	-27.71	-30.14	-33.84	-38.08
	-43.69	-27.32	-12.46	1.951						
0 15	15.96	6.674	-1.080	-5.838	-8.397	-9.708	-10.39	-10.82	-11.11	-11.31
	-11.53	-11.71	-11.84	-11.98	-12.14	-12.30	-12.46	-12.62	-12.78	-12.98
	-13.19	-13.40	-13.66	-13.93	-14.20	-14.45	-14.73	-15.01	-15.33	-15.67
	-16.01	-16.37	-16.75	-17.14	-17.54	-17.96	-18.40	-18.86	-19.33	-19.82

	-20.33	-21.12	-22.26	-23.48	-24.80	-26.21	-27.71	-30.15	-33.86	-38.09
	-42.49	-27.34	-12.47	1.951						
0 16	15.96	6.937	-0.6279	-5.457	-8.140	-9.541	-10.26	-10.72	-11.04	-11.26
	-11.48	-11.67	-11.80	-11.94	-12.10	-12.27	-12.43	-12.60	-12.77	-12.95
	-13.14	-13.31	-13.60	-13.92	-14.24	-14.45	-14.70	-14.95	-15.28	-15.63
	-15.99	-16.35	-16.72	-17.11	-17.52	-17.94	-18.38	-18.83	-19.31	-19.80
	-20.31	-21.11	-22.25	-23.47	-24.78	-26.19	-27.70	-30.14	-33.86	-38.10
	-42.04	-27.35	-12.48	1.951						
0 17	15.96	7.099	-0.3521	-5.217	-7.973	-9.424	-10.12	-10.60	-10.96	-11.20
	-11.44	-11.63	-11.76	-11.90	-12.07	-12.25	-12.40	-12.57	-12.74	-12.92
	-13.11	-13.27	-13.56	-13.90	-14.22	-14.42	-14.67	-14.92	-15.24	-15.60
	-15.96	-16.32	-16.70	-17.09	-17.49	-17.91	-18.35	-18.81	-19.28	-19.78
	-20.29	-21.08	-22.22	-23.45	-24.76	-26.17	-27.68	-30.13	-33.85	-38.12
	-42.61	-27.38	-12.48	1.951						
0 18	15.96	7.163	-0.2432	-5.116	-7.896	-9.352	-9.910	-10.40	-10.86	-11.14
	-11.39	-11.58	-11.72	-11.86	-11.99	-12.18	-12.40	-12.54	-12.71	-12.89
	-13.07	-13.25	-13.54	-13.88	-14.19	-14.39	-14.64	-14.89	-15.21	-15.57
	-15.93	-16.29	-16.67	-17.06	-17.46	-17.89	-18.33	-18.78	-19.26	-19.75
	-20.26	-21.06	-22.20	-23.42	-24.74	-26.15	-27.65	-30.10	-33.82	-38.14
	-43.98	-27.38	-12.47	1.951						
0 19	15.96	7.131	-0.2980	-5.154	-7.909	-9.320	-9.434	-9.903	-10.67	-11.05
	-11.34	-11.54	-11.67	-11.81	-11.96	-12.12	-12.31	-12.48	-12.66	-12.84
	-13.00	-13.29	-13.55	-13.94	-14.12	-14.35	-14.60	-14.85	-15.18	-15.54
	-15.90	-16.26	-16.64	-17.03	-17.43	-17.86	-18.29	-18.75	-19.22	-19.72
	-20.23	-21.02	-22.16	-23.39	-24.70	-26.11	-27.61	-30.05	-33.77	-38.06
	-42.57	-27.33	-12.45	1.951						
0 20	15.96	7.001	-0.5191	-5.330	-8.013	-9.319	-8.133	-8.559	-10.21	-10.89
	-11.26	-11.47	-11.60	-11.74	-11.89	-12.05	-12.22	-12.40	-12.58	-12.77
	-12.93	-13.26	-13.53	-13.90	-14.07	-14.30	-14.56	-14.81	-15.14	-15.51
	-15.86	-16.22	-16.60	-16.99	-17.40	-17.82	-18.26	-18.71	-19.19	-19.68
	-20.19	-20.98	-22.12	-23.34	-24.65	-26.06	-27.56	-30.00	-33.71	-37.96
	-41.96	-27.27	-12.43	1.951						
0 21	15.96	6.773	-0.9147	-5.647	-8.206	-9.357	-4.514	-4.841	-9.049	-10.56
	-11.11	-11.32	-11.45	-11.59	-11.74	-11.90	-12.07	-12.24	-12.43	-12.63
	-12.81	-13.20	-13.47	-13.81	-13.99	-14.24	-14.51	-14.77	-15.10	-15.46
	-15.82	-16.18	-16.56	-16.95	-17.36	-17.78	-18.22	-18.67	-19.15	-19.64
	-20.15	-20.94	-22.07	-23.29	-24.60	-26.00	-27.50	-29.93	-33.63	-37.89
	-42.37	-27.21	-12.39	1.951						
0 22	15.95	6.441	-1.500	-6.106	-8.490	-9.585	-8.265	-8.424	-6.154	-9.831
	-10.77	-10.96	-11.07	-11.21	-11.35	-11.51	-11.67	-11.86	-12.06	-12.30
	-12.58	-12.82	-13.12	-13.52	-13.81	-14.10	-14.40	-14.71	-15.03	-15.38
	-15.74	-16.11	-16.49	-16.89	-17.30	-17.72	-18.16	-18.62	-19.10	-19.59
	-20.10	-20.89	-22.02	-23.24	-24.54	-25.94	-27.43	-29.85	-33.54	-37.81
	-43.53	-27.14	-12.35	1.949						
0 23	15.92	6.000	-2.299	-6.713	-8.859	-9.848	-9.708	-9.711	-3.763	-8.330
	-9.960	-9.939	-10.01	-10.13	-10.27	-10.43	-10.59	-10.78	-11.00	-11.32
	-11.86	-12.23	-12.59	-13.03	-13.40	-13.74	-14.12	-14.48	-14.84	-15.21
	-15.59	-15.98	-16.38	-16.79	-17.21	-17.64	-18.09	-18.55	-19.03	-19.52
	-20.03	-20.83	-21.96	-23.17	-24.47	-25.86	-27.35	-29.75	-33.42	-37.63
	-41.96	-27.01	-12.30	1.915						
0 24	15.95	5.587	-3.079	-7.277	-9.194	-10.06	-10.18	-10.17	-4.829	-5.413
	-8.452	-7.720	-7.735	-7.851	-7.989	-8.137	-8.296	-8.472	-8.694	-9.115
	-10.40	-10.89	-11.35	-12.13	-12.60	-13.03	-13.57	-14.01	-14.42	-14.89
	-15.31	-15.73	-16.18	-16.61	-17.05	-17.51	-17.97	-18.45	-18.94	-19.44
	-19.96	-20.76	-21.90	-23.11	-24.41	-25.80	-27.28	-29.67	-33.32	-37.49
	-41.36	-26.91	-12.26	1.947						
0 25	15.95	5.281	-3.672	-7.692	-9.436	-10.21	-10.40	-10.41	-7.070	-1.916
	-6.891	-5.112	-5.154	-5.279	-5.413	-5.553	-5.703	-5.864	-6.058	-6.441
	-8.867	-9.337	-9.822	-11.13	-11.67	-12.15	-12.95	-13.46	-13.93	-14.51
	-14.99	-15.45	-15.95	-16.42	-16.89	-17.37	-17.86	-18.35	-18.85	-19.37
	-19.90	-20.71	-21.85	-23.07	-24.37	-25.75	-27.23	-29.62	-33.25	-37.41
	-41.21	-26.84	-12.22	1.950						
0 26	15.95	4.947	-4.342	-8.144	-9.695	-10.36	-10.57	-10.60	-8.447	-2.046
	-4.588	-7.416	-7.759	-7.927	-8.072	-8.219	-8.373	-8.534	-8.684	-8.667
	-6.667	-6.695	-7.087	-9.563	-10.07	-10.59	-11.94	-12.51	-13.04	-13.89
	-14.44	-14.95	-15.58	-16.10	-16.60	-17.15	-17.66	-18.18	-18.72	-19.26
	-19.80	-20.63	-21.79	-23.02	-24.32	-25.70	-27.18	-29.56	-33.18	-37.33
	-41.31	-26.78	-12.19	1.951						
0 27	15.95	4.583	-5.095	-8.632	-9.970	-10.52	-10.71	-10.75	-9.426	-5.946
	-7.390	-8.993	-9.348	-9.531	-9.682	-9.831	-9.985	-10.14	-10.27	-10.23
	-9.404	-9.362	-9.330	-7.320	-7.376	-7.803	-10.35	-10.89	-11.45	-12.85
	-13.48	-14.05	-14.94	-15.54	-16.09	-16.77	-17.34	-17.89	-18.50	-19.08

	-19.66	-20.51	-21.71	-22.95	-24.26	-25.64	-27.12	-29.49	-33.10	-37.25
	-41.65	-26.72	-12.15	1.951						
0 28	15.95	4.192	-5.943	-9.156	-10.26	-10.69	-10.83	-10.88	-10.09	-8.263
	-9.089	-10.02	-10.31	-10.49	-10.64	-10.79	-10.94	-11.10	-11.23	-11.25
	-10.95	-10.95	-10.90	-10.08	-10.07	-10.07	-8.061	-8.150	-8.615	-11.24
	-11.83	-12.43	-13.90	-14.56	-15.18	-16.13	-16.77	-17.38	-18.12	-18.78
	-19.43	-20.32	-21.58	-22.86	-24.19	-25.57	-27.05	-29.42	-33.02	-37.17
	-42.17	-26.65	-12.12	1.952						
0 29	15.94	3.773	-6.895	-9.714	-10.56	-10.86	-10.95	-10.98	-10.54	-9.610
	-10.10	-10.67	-10.90	-11.06	-11.21	-11.35	-11.50	-11.66	-11.80	-11.88
	-11.83	-11.89	-11.91	-11.64	-11.67	-11.65	-10.86	-10.88	-10.92	-8.907
	-9.031	-9.537	-12.25	-12.89	-13.54	-15.07	-15.79	-16.46	-17.49	-18.25
	-19.04	-20.00	-21.38	-22.73	-24.09	-25.48	-26.97	-29.35	-32.93	-37.07
	-42.60	-26.58	-12.08	1.952						
0 30	15.94	3.329	-7.961	-10.30	-10.88	-11.03	-11.06	-11.08	-10.84	-10.39
	-10.71	-11.07	-11.26	-11.40	-11.54	-11.69	-11.84	-11.99	-12.14	-12.26
	-12.33	-12.44	-12.53	-12.52	-12.61	-12.67	-12.43	-12.50	-12.52	-11.75
	-11.81	-11.89	-9.866	-10.03	-10.58	-13.39	-14.08	-14.78	-16.42	-17.32
	-18.39	-19.44	-21.04	-22.52	-23.95	-25.35	-26.86	-29.26	-32.83	-36.95
	-41.96	-26.48	-12.03	1.952						
0 31	15.94	2.864	-9.153	-10.92	-11.20	-11.21	-11.17	-11.16	-11.04	-10.85
	-11.07	-11.33	-11.48	-11.62	-11.75	-11.89	-12.04	-12.19	-12.35	-12.49
	-12.62	-12.77	-12.91	-13.01	-13.16	-13.29	-13.31	-13.44	-13.54	-13.33
	-13.45	-13.51	-12.76	-12.86	-12.98	-10.94	-11.14	-11.74	-14.70	-15.64
	-17.30	-18.43	-20.44	-22.18	-23.73	-25.16	-26.72	-29.16	-32.71	-36.82
	-41.25	-26.38	-11.99	1.952						
0 32	15.94	2.382	-10.48	-11.56	-11.53	-11.40	-11.29	-11.24	-11.19	-11.12
	-11.30	-11.50	-11.62	-11.75	-11.88	-12.02	-12.16	-12.32	-12.48	-12.64
	-12.79	-12.96	-13.13	-13.29	-13.48	-13.65	-13.80	-13.98	-14.15	-14.21
	-14.39	-14.53	-14.37	-14.52	-14.62	-13.90	-14.05	-14.20	-12.16	-12.59
	-15.57	-16.62	-19.40	-21.58	-23.37	-24.83	-26.50	-29.03	-32.58	-36.67
	-40.72	-26.27	-11.94	1.952						
0 33	15.94	1.890	-11.95	-12.21	-11.86	-11.58	-11.40	-11.32	-11.30	-11.29
	-11.44	-11.61	-11.72	-11.84	-11.96	-12.10	-12.24	-12.40	-12.56	-12.72
	-12.90	-13.08	-13.27	-13.46	-13.67	-13.87	-14.08	-14.30	-14.52	-14.70
	-14.93	-15.14	-15.25	-15.47	-15.65	-15.53	-15.72	-15.87	-15.14	-15.13
	-13.01	-13.44	-17.57	-20.52	-22.74	-24.25	-26.14	-28.85	-32.40	-36.51
	-40.42	-26.16	-11.89	1.952						
0 34	15.93	1.399	-13.55	-12.86	-12.19	-11.77	-11.51	-11.39	-11.39	-11.41
	-11.54	-11.68	-11.79	-11.90	-12.02	-12.16	-12.30	-12.45	-12.61	-12.78
	-12.96	-13.15	-13.35	-13.56	-13.78	-14.00	-14.24	-14.48	-14.73	-14.97
	-15.24	-15.50	-15.73	-16.00	-16.26	-16.41	-16.67	-16.90	-16.77	-16.82
	-16.09	-16.41	-14.45	-18.66	-21.63	-23.17	-25.50	-28.58	-32.13	-36.34
	-40.35	-26.04	-11.84	1.952						
0 35	15.93	0.9173	-15.23	-13.51	-12.52	-11.96	-11.62	-11.47	-11.46	-11.50
	-11.61	-11.74	-11.84	-11.95	-12.07	-12.20	-12.34	-12.49	-12.65	-12.82
	-13.01	-13.20	-13.40	-13.62	-13.85	-14.08	-14.33	-14.59	-14.86	-15.13
	-15.42	-15.71	-16.00	-16.31	-16.61	-16.89	-17.21	-17.50	-17.66	-17.85
	-17.76	-18.16	-17.51	-15.45	-19.69	-21.16	-24.34	-28.11	-31.69	-36.12
	-40.48	-25.92	-11.79	1.953						
0 36	15.94	0.4596	-16.88	-14.13	-12.85	-12.14	-11.73	-11.54	-11.53	-11.56
	-11.67	-11.79	-11.88	-11.99	-12.10	-12.23	-12.37	-12.52	-12.68	-12.85
	-13.04	-13.23	-13.44	-13.66	-13.89	-14.13	-14.39	-14.65	-14.93	-15.22
	-15.52	-15.83	-16.14	-16.48	-16.81	-17.14	-17.50	-17.85	-18.14	-18.44
	-18.64	-19.15	-19.26	-18.57	-16.39	-17.55	-22.25	-27.28	-30.86	-35.81
	-40.66	-25.77	-11.73	1.956						
0 37	15.96	3.7984E-02	-18.20	-14.71	-13.17	-12.33	-11.84	-11.61	-11.59	-11.62
	-11.72	-11.83	-11.92	-12.02	-12.13	-12.26	-12.39	-12.54	-12.70	-12.88
	-13.06	-13.26	-13.46	-13.68	-13.92	-14.16	-14.42	-14.69	-14.97	-15.27
	-15.58	-15.90	-16.23	-16.57	-16.92	-17.28	-17.66	-18.04	-18.40	-18.76
	-19.10	-19.69	-20.22	-20.33	-19.70	-20.76	-18.61	-25.76	-29.24	-35.27
	-40.47	-25.59	-11.67	1.972						
0 38	15.93	-0.5319	-18.74	-15.49	-13.64	-12.60	-12.01	-11.72	-11.67	-11.70
	-11.78	-11.89	-11.97	-12.07	-12.17	-12.30	-12.43	-12.57	-12.73	-12.90
	-13.09	-13.28	-13.49	-13.71	-13.95	-14.19	-14.45	-14.73	-15.01	-15.31
	-15.62	-15.95	-16.29	-16.64	-17.01	-17.39	-17.78	-18.19	-18.60	-19.02
	-19.44	-20.11	-20.96	-21.71	-22.31	-23.43	-23.54	-21.80	-24.85	-33.77
	-38.01	-25.20	-11.58	1.956						
0 39	15.96	-1.164	-18.90	-16.39	-14.22	-12.95	-12.22	-11.85	-11.78	-11.79
	-11.86	-11.95	-12.03	-12.12	-12.22	-12.34	-12.47	-12.61	-12.77	-12.93
	-13.12	-13.31	-13.52	-13.74	-13.97	-14.21	-14.47	-14.75	-15.03	-15.33
	-15.65	-15.98	-16.32	-16.67	-17.04	-17.43	-17.83	-18.24	-18.67	-19.11

	-19.56	-20.26	-21.23	-22.23	-23.24	-24.44	-25.42	-26.50	-29.72	-27.41
	-29.96	-24.14	-11.43	1.975						
0 40	15.92	-2.049	-20.09	-17.65	-15.03	-13.44	-12.53	-12.05	-11.93	-11.91
	-11.96	-12.04	-12.11	-12.19	-12.29	-12.40	-12.52	-12.66	-12.81	-12.98
	-13.15	-13.34	-13.55	-13.76	-13.99	-14.24	-14.49	-14.76	-15.05	-15.35
	-15.66	-15.98	-16.32	-16.68	-17.05	-17.43	-17.83	-18.24	-18.67	-19.11
	-19.57	-20.28	-21.29	-22.36	-23.50	-24.72	-25.99	-27.97	-31.17	-34.12
	-36.60	-20.19	-11.20	1.955						
0 41	15.92	-3.208	-25.35	-19.28	-15.89	-13.97	-12.87	-12.28	-12.11	-12.06
	-12.09	-12.15	-12.21	-12.28	-12.37	-12.48	-12.59	-12.72	-12.87	-13.03
	-13.20	-13.38	-13.58	-13.79	-14.02	-14.26	-14.51	-14.78	-15.06	-15.35
	-15.66	-15.98	-16.31	-16.66	-17.03	-17.40	-17.80	-18.20	-18.62	-19.06
	-19.51	-20.21	-21.20	-22.26	-23.39	-24.58	-25.85	-27.87	-30.98	-34.59
	-39.56	-24.11	-11.06	1.955						
0 42	15.92	-3.637	-24.28	-19.95	-16.41	-14.34	-13.14	-12.48	-12.26	-12.19
	-12.20	-12.25	-12.30	-12.37	-12.45	-12.54	-12.65	-12.78	-12.92	-13.07
	-13.24	-13.42	-13.61	-13.82	-14.04	-14.28	-14.52	-14.79	-15.06	-15.35
	-15.65	-15.97	-16.30	-16.64	-17.00	-17.37	-17.76	-18.16	-18.57	-19.00
	-19.44	-20.12	-21.09	-22.12	-23.21	-24.37	-25.59	-27.54	-30.50	-34.00
	-37.44	-24.04	-10.81	1.955						
0 43	15.92	-3.811	-26.95	-20.28	-16.62	-14.55	-13.32	-12.63	-12.38	-12.30
	-12.29	-12.33	-12.38	-12.44	-12.51	-12.60	-12.71	-12.83	-12.96	-13.11
	-13.27	-13.45	-13.64	-13.84	-14.06	-14.29	-14.53	-14.79	-15.06	-15.35
	-15.65	-15.96	-16.28	-16.62	-16.97	-17.34	-17.72	-18.11	-18.51	-18.93
	-19.36	-20.03	-20.98	-21.98	-23.03	-24.14	-25.30	-27.15	-29.94	-33.37
	-38.51	-23.54	-10.48	1.956						
0 44	15.92	-3.192	-23.41	-19.58	-16.48	-14.59	-13.43	-12.73	-12.48	-12.39
	-12.37	-12.40	-12.44	-12.50	-12.57	-12.65	-12.75	-12.87	-13.00	-13.14
	-13.30	-13.47	-13.66	-13.86	-14.07	-14.30	-14.54	-14.80	-15.06	-15.34
	-15.64	-15.95	-16.27	-16.60	-16.95	-17.30	-17.68	-18.06	-18.46	-18.87
	-19.29	-19.95	-20.87	-21.84	-22.85	-23.91	-25.01	-26.75	-29.29	-32.24
	-35.30	-22.56	-10.07	1.957						
0 45	15.92	-2.303	-23.32	-18.56	-16.07	-14.50	-13.46	-12.80	-12.55	-12.45
	-12.42	-12.45	-12.49	-12.54	-12.61	-12.69	-12.79	-12.90	-13.03	-13.17
	-13.33	-13.49	-13.68	-13.87	-14.09	-14.31	-14.55	-14.80	-15.06	-15.34
	-15.63	-15.93	-16.25	-16.58	-16.92	-17.28	-17.64	-18.02	-18.41	-18.82
	-19.23	-19.87	-20.77	-21.71	-22.69	-23.70	-24.74	-26.35	-28.59	-31.09
	-34.96	-21.51	-9.595	1.959						
0 46	15.96	-0.6941	-16.50	-16.65	-15.47	-14.34	-13.45	-12.84	-12.59	-12.50
	-12.47	-12.49	-12.53	-12.58	-12.64	-12.72	-12.82	-12.93	-13.05	-13.19
	-13.34	-13.51	-13.69	-13.89	-14.09	-14.32	-14.55	-14.80	-15.06	-15.34
	-15.62	-15.93	-16.24	-16.56	-16.90	-17.25	-17.62	-17.99	-18.38	-18.77
	-19.18	-19.81	-20.69	-21.60	-22.55	-23.52	-24.50	-25.99	-27.88	-29.50
	-29.97	-20.05	-9.092	1.979						
0 47	15.93	1.415	-10.51	-14.17	-14.61	-14.08	-13.40	-12.86	-12.63	-12.54
	-12.51	-12.53	-12.56	-12.61	-12.67	-12.75	-12.84	-12.95	-13.07	-13.21
	-13.36	-13.53	-13.70	-13.90	-14.10	-14.32	-14.55	-14.80	-15.06	-15.33
	-15.62	-15.91	-16.22	-16.55	-16.88	-17.23	-17.59	-17.96	-18.34	-18.73
	-19.13	-19.75	-20.60	-21.49	-22.40	-23.32	-24.23	-25.56	-27.02	-27.57
	-25.73	-18.25	-8.459	1.963						

1 HEAD IN LAYER 2 AT END OF TIME STEP 4 IN STRESS PERIOD 2

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54						

0 1	15.98	-0.6790	-14.43	-17.82	-18.09	-17.49	-16.79	-16.26	-16.05	-15.98
	-15.98	-16.02	-16.07	-16.14	-16.21	-16.31	-16.42	-16.55	-16.69	-16.84
	-17.02	-17.20	-17.40	-17.62	-17.85	-18.09	-18.35	-18.62	-18.91	-19.21
	-19.52	-19.84	-20.18	-20.53	-20.90	-21.27	-21.66	-22.06	-22.47	-22.89
	-23.32	-23.99	-24.90	-25.85	-26.81	-27.78	-28.74	-30.13	-31.64	-32.21
	-30.33	-21.43	-10.12	1.985						
0 2	15.95	-3.665	-24.92	-21.10	-19.12	-17.75	-16.80	-16.19	-15.98	-15.90
	-15.91	-15.96	-16.01	-16.07	-16.16	-16.26	-16.37	-16.50	-16.65	-16.81
	-16.98	-17.17	-17.38	-17.59	-17.83	-18.08	-18.34	-18.61	-18.90	-19.20
	-19.52	-19.85	-20.19	-20.55	-20.92	-21.30	-21.69	-22.10	-22.52	-22.95
	-23.39	-24.07	-25.01	-26.00	-27.01	-28.05	-29.10	-30.69	-32.78	-34.85
	-37.53	-23.95	-10.99	1.968						

0 3	15.97	-4.751	-25.08	-22.29	-19.55	-17.78	-16.67	-16.04	-15.84	-15.78
	-15.79	-15.85	-15.91	-15.98	-16.07	-16.18	-16.30	-16.43	-16.59	-16.75
	-16.93	-17.13	-17.34	-17.56	-17.80	-18.05	-18.32	-18.60	-18.89	-19.20
	-19.52	-19.85	-20.20	-20.57	-20.94	-21.33	-21.73	-22.15	-22.58	-23.02
	-23.47	-24.17	-25.15	-26.18	-27.25	-28.36	-29.51	-31.29	-33.82	-36.51
	-38.59	-25.47	-11.70	1.983						
0 4	15.97	-5.597	-31.02	-23.12	-19.63	-17.67	-16.52	-15.90	-15.71	-15.66
	-15.69	-15.76	-15.83	-15.91	-16.00	-16.11	-16.24	-16.38	-16.53	-16.70
	-16.89	-17.09	-17.30	-17.53	-17.77	-18.03	-18.30	-18.58	-18.88	-19.19
	-19.52	-19.86	-20.21	-20.58	-20.96	-21.36	-21.76	-22.19	-22.62	-23.07
	-23.54	-24.25	-25.26	-26.31	-27.42	-28.59	-29.80	-31.71	-34.52	-37.82
	-43.14	-26.67	-12.17	1.982						
0 5	15.97	-5.509	-27.58	-22.88	-19.38	-17.39	-16.28	-15.71	-15.55	-15.53
	-15.57	-15.66	-15.73	-15.82	-15.92	-16.04	-16.17	-16.31	-16.48	-16.65
	-16.84	-17.04	-17.26	-17.49	-17.74	-18.00	-18.27	-18.56	-18.87	-19.18
	-19.51	-19.86	-20.22	-20.59	-20.98	-21.38	-21.79	-22.22	-22.67	-23.13
	-23.60	-24.33	-25.36	-26.45	-27.60	-28.81	-30.09	-32.12	-35.16	-38.68
	-42.07	-27.43	-12.58	1.982						
0 6	15.97	-5.301	-30.87	-22.38	-18.80	-16.94	-15.95	-15.47	-15.36	-15.37
	-15.44	-15.54	-15.62	-15.71	-15.82	-15.95	-16.09	-16.24	-16.41	-16.59
	-16.78	-16.99	-17.22	-17.45	-17.70	-17.97	-18.25	-18.54	-18.85	-19.17
	-19.50	-19.85	-20.22	-20.60	-20.99	-21.40	-21.82	-22.26	-22.71	-23.18
	-23.66	-24.41	-25.47	-26.59	-27.78	-29.03	-30.37	-32.49	-35.73	-39.62
	-45.55	-28.27	-12.93	1.981						
0 7	15.97	-4.046	-24.97	-20.69	-17.83	-16.32	-15.54	-15.19	-15.15	-15.19
	-15.29	-15.40	-15.50	-15.60	-15.72	-15.85	-16.00	-16.16	-16.34	-16.52
	-16.72	-16.94	-17.17	-17.41	-17.66	-17.93	-18.22	-18.51	-18.83	-19.15
	-19.49	-19.85	-20.22	-20.60	-21.00	-21.41	-21.84	-22.29	-22.75	-23.23
	-23.72	-24.48	-25.56	-26.71	-27.93	-29.23	-30.62	-32.83	-36.20	-40.11
	-43.76	-28.66	-13.20	1.981						
0 8	15.98	-2.590	-25.41	-18.68	-16.55	-15.56	-15.06	-14.88	-14.92	-15.00
	-15.13	-15.26	-15.37	-15.48	-15.61	-15.75	-15.91	-16.08	-16.26	-16.45
	-16.66	-16.88	-17.11	-17.36	-17.62	-17.89	-18.18	-18.48	-18.80	-19.13
	-19.48	-19.84	-20.21	-20.60	-21.00	-21.42	-21.86	-22.31	-22.78	-23.26
	-23.76	-24.54	-25.64	-26.82	-28.07	-29.41	-30.83	-33.11	-36.59	-40.71
	-46.71	-29.18	-13.41	1.981						
0 9	15.98	-9.5091E-02	-15.54	-15.56	-15.04	-14.71	-14.55	-14.56	-14.68	-14.80
	-14.96	-15.12	-15.23	-15.36	-15.50	-15.65	-15.81	-15.99	-16.18	-16.38
	-16.59	-16.81	-17.05	-17.30	-17.57	-17.85	-18.14	-18.45	-18.77	-19.10
	-19.45	-19.82	-20.20	-20.59	-21.00	-21.43	-21.87	-22.33	-22.80	-23.29
	-23.80	-24.59	-25.71	-26.91	-28.19	-29.55	-31.00	-33.33	-36.88	-40.89
	-44.46	-29.29	-13.56	1.980						
0 10	15.97	2.222	-9.553	-12.61	-13.51	-13.85	-14.05	-14.24	-14.44	-14.60
	-14.80	-14.98	-15.10	-15.24	-15.39	-15.55	-15.72	-15.90	-16.09	-16.30
	-16.52	-16.75	-16.99	-17.25	-17.52	-17.80	-18.10	-18.41	-18.73	-19.07
	-19.42	-19.79	-20.18	-20.57	-20.99	-21.42	-21.87	-22.33	-22.81	-23.31
	-23.82	-24.62	-25.76	-26.97	-28.27	-29.66	-31.14	-33.50	-37.10	-41.24
	-46.95	-29.59	-13.67	1.961						
0 11	15.98	3.579	-6.722	-10.82	-12.50	-13.27	-13.70	-14.02	-14.28	-14.47
	-14.69	-14.88	-15.01	-15.16	-15.31	-15.47	-15.65	-15.84	-16.03	-16.24
	-16.46	-16.70	-16.95	-17.20	-17.48	-17.76	-18.06	-18.37	-18.70	-19.04
	-19.40	-19.77	-20.16	-20.56	-20.97	-21.41	-21.86	-22.32	-22.81	-23.31
	-23.82	-24.63	-25.78	-27.00	-28.31	-29.71	-31.21	-33.59	-37.21	-41.25
	-44.83	-29.57	-13.72	1.980						
0 12	15.99	4.348	-5.228	-9.794	-11.89	-12.92	-13.48	-13.88	-14.17	-14.38
	-14.62	-14.81	-14.95	-15.10	-15.26	-15.43	-15.60	-15.79	-15.99	-16.21
	-16.43	-16.67	-16.91	-17.17	-17.45	-17.74	-18.04	-18.35	-18.68	-19.02
	-19.38	-19.75	-20.14	-20.54	-20.96	-21.40	-21.85	-22.31	-22.80	-23.30
	-23.82	-24.63	-25.78	-27.02	-28.33	-29.74	-31.24	-33.64	-37.27	-41.30
	-44.61	-29.60	-13.75	1.980						
0 13	15.99	4.985	-4.054	-8.926	-11.36	-12.60	-13.29	-13.76	-14.08	-14.31
	-14.55	-14.75	-14.90	-15.05	-15.21	-15.38	-15.56	-15.75	-15.95	-16.17
	-16.39	-16.63	-16.88	-17.14	-17.42	-17.71	-18.01	-18.33	-18.66	-19.00
	-19.36	-19.73	-20.12	-20.52	-20.94	-21.38	-21.83	-22.30	-22.79	-23.29
	-23.82	-24.63	-25.78	-27.02	-28.34	-29.76	-31.26	-33.68	-37.32	-41.41
	-45.55	-29.70	-13.78	1.980						
0 14	15.99	5.495	-3.146	-8.217	-10.91	-12.33	-13.12	-13.64	-13.99	-14.23
	-14.49	-14.70	-14.84	-15.00	-15.16	-15.34	-15.52	-15.71	-15.92	-16.13
	-16.36	-16.60	-16.85	-17.11	-17.39	-17.68	-17.98	-18.30	-18.63	-18.98
	-19.34	-19.71	-20.10	-20.51	-20.93	-21.36	-21.82	-22.29	-22.78	-23.28
	-23.81	-24.62	-25.78	-27.02	-28.35	-29.77	-31.28	-33.70	-37.36	-41.52
	-47.75	-29.81	-13.80	1.980						

0 15	15.99	5.887	-2.467	-7.665	-10.55	-12.10	-12.97	-13.55	-13.92	-14.17
	-14.43	-14.65	-14.80	-14.95	-15.12	-15.30	-15.48	-15.67	-15.88	-16.10
	-16.33	-16.57	-16.82	-17.08	-17.36	-17.65	-17.96	-18.27	-18.61	-18.95
	-19.31	-19.69	-20.08	-20.48	-20.91	-21.34	-21.80	-22.27	-22.76	-23.27
	-23.79	-24.61	-25.77	-27.01	-28.34	-29.76	-31.28	-33.71	-37.38	-41.52
	-45.91	-29.81	-13.82	1.980						
0 16	15.99	6.166	-1.991	-7.265	-10.28	-11.93	-12.86	-13.46	-13.85	-14.11
	-14.38	-14.60	-14.75	-14.91	-15.08	-15.26	-15.44	-15.64	-15.85	-16.06
	-16.29	-16.53	-16.79	-17.05	-17.33	-17.62	-17.93	-18.25	-18.58	-18.92
	-19.29	-19.66	-20.05	-20.46	-20.88	-21.32	-21.78	-22.25	-22.74	-23.25
	-23.77	-24.59	-25.75	-27.00	-28.33	-29.75	-31.27	-33.70	-37.38	-41.52
	-45.37	-29.81	-13.82	1.980						
0 17	15.99	6.338	-1.700	-7.013	-10.11	-11.81	-12.77	-13.40	-13.80	-14.06
	-14.34	-14.56	-14.71	-14.87	-15.04	-15.22	-15.41	-15.60	-15.81	-16.03
	-16.26	-16.50	-16.76	-17.02	-17.30	-17.59	-17.90	-18.22	-18.55	-18.90
	-19.26	-19.63	-20.03	-20.43	-20.86	-21.30	-21.75	-22.22	-22.71	-23.22
	-23.75	-24.56	-25.73	-26.98	-28.31	-29.73	-31.25	-33.68	-37.37	-41.56
	-46.05	-29.85	-13.82	1.980						
0 18	15.99	6.407	-1.585	-6.907	-10.02	-11.75	-12.72	-13.35	-13.75	-14.02
	-14.30	-14.52	-14.68	-14.84	-15.01	-15.19	-15.38	-15.57	-15.78	-16.00
	-16.23	-16.47	-16.72	-16.99	-17.27	-17.56	-17.87	-18.19	-18.52	-18.87
	-19.23	-19.61	-20.00	-20.40	-20.83	-21.27	-21.72	-22.20	-22.69	-23.19
	-23.72	-24.53	-25.70	-26.95	-28.28	-29.70	-31.22	-33.65	-37.34	-41.59
	-48.03	-29.89	-13.82	1.980						
0 19	15.99	6.373	-1.643	-6.946	-10.04	-11.75	-12.69	-13.32	-13.72	-13.99
	-14.27	-14.50	-14.65	-14.81	-14.98	-15.16	-15.35	-15.54	-15.75	-15.97
	-16.20	-16.44	-16.69	-16.96	-17.24	-17.53	-17.84	-18.16	-18.49	-18.84
	-19.20	-19.57	-19.97	-20.37	-20.80	-21.24	-21.69	-22.16	-22.65	-23.16
	-23.68	-24.50	-25.66	-26.91	-28.24	-29.66	-31.18	-33.61	-37.29	-41.49
	-46.00	-29.81	-13.80	1.980						
0 20	15.99	6.236	-1.875	-7.131	-10.15	-11.81	-12.71	-13.31	-13.70	-13.97
	-14.25	-14.47	-14.63	-14.79	-14.96	-15.13	-15.32	-15.51	-15.72	-15.94
	-16.17	-16.41	-16.66	-16.93	-17.21	-17.50	-17.80	-18.12	-18.46	-18.80
	-19.16	-19.54	-19.93	-20.34	-20.76	-21.20	-21.66	-22.13	-22.62	-23.12
	-23.65	-24.46	-25.62	-26.87	-28.19	-29.61	-31.13	-33.55	-37.22	-41.39
	-45.28	-29.72	-13.77	1.980						
0 21	15.99	5.993	-2.291	-7.462	-10.35	-11.92	-12.75	-13.32	-13.69	-13.96
	-14.23	-14.45	-14.61	-14.77	-14.93	-15.11	-15.29	-15.49	-15.69	-15.91
	-16.14	-16.38	-16.63	-16.90	-17.18	-17.47	-17.77	-18.09	-18.42	-18.77
	-19.13	-19.51	-19.90	-20.30	-20.73	-21.16	-21.62	-22.09	-22.58	-23.08
	-23.60	-24.42	-25.58	-26.82	-28.14	-29.55	-31.06	-33.48	-37.14	-41.31
	-45.79	-29.67	-13.73	1.980						
0 22	15.99	5.640	-2.907	-7.944	-10.65	-12.08	-12.85	-13.37	-13.70	-13.95
	-14.23	-14.44	-14.59	-14.75	-14.92	-15.09	-15.27	-15.47	-15.67	-15.89
	-16.11	-16.35	-16.60	-16.87	-17.15	-17.44	-17.74	-18.06	-18.39	-18.73
	-19.09	-19.47	-19.86	-20.26	-20.69	-21.12	-21.57	-22.04	-22.53	-23.03
	-23.56	-24.37	-25.52	-26.76	-28.08	-29.49	-30.99	-33.39	-37.04	-41.24
	-47.60	-29.62	-13.69	1.980						
0 23	15.97	5.172	-3.749	-8.578	-11.03	-12.30	-12.98	-13.44	-13.73	-13.96
	-14.23	-14.44	-14.59	-14.74	-14.90	-15.07	-15.26	-15.45	-15.65	-15.86
	-16.09	-16.33	-16.58	-16.84	-17.12	-17.40	-17.71	-18.02	-18.35	-18.70
	-19.06	-19.43	-19.82	-20.22	-20.64	-21.08	-21.53	-22.00	-22.48	-22.98
	-23.50	-24.31	-25.46	-26.69	-28.01	-29.41	-30.90	-33.29	-36.92	-41.04
	-45.37	-29.46	-13.63	1.963						
0 24	15.99	4.730	-4.576	-9.171	-11.38	-12.50	-13.10	-13.51	-13.77	-13.98
	-14.24	-14.44	-14.59	-14.74	-14.90	-15.07	-15.25	-15.44	-15.64	-15.85
	-16.07	-16.31	-16.56	-16.82	-17.09	-17.38	-17.68	-18.00	-18.33	-18.67
	-19.03	-19.40	-19.79	-20.19	-20.61	-21.04	-21.49	-21.96	-22.44	-22.94
	-23.46	-24.27	-25.41	-26.64	-27.95	-29.34	-30.83	-33.21	-36.82	-40.89
	-44.66	-29.34	-13.58	1.980						
0 25	15.99	4.404	-5.202	-9.605	-11.64	-12.65	-13.19	-13.56	-13.81	-14.00
	-14.25	-14.45	-14.59	-14.74	-14.90	-15.07	-15.25	-15.44	-15.64	-15.85
	-16.07	-16.30	-16.55	-16.81	-17.08	-17.37	-17.67	-17.98	-18.31	-18.65
	-19.01	-19.38	-19.77	-20.17	-20.59	-21.02	-21.47	-21.94	-22.42	-22.92
	-23.43	-24.24	-25.38	-26.60	-27.91	-29.30	-30.78	-33.15	-36.74	-40.80
	-44.49	-29.26	-13.54	1.981						
0 26	15.99	4.046	-5.912	-10.08	-11.91	-12.80	-13.28	-13.62	-13.85	-14.03
	-14.27	-14.47	-14.61	-14.76	-14.91	-15.08	-15.26	-15.44	-15.64	-15.85
	-16.07	-16.30	-16.54	-16.80	-17.07	-17.36	-17.65	-17.97	-18.29	-18.64
	-18.99	-19.36	-19.75	-20.15	-20.56	-21.00	-21.44	-21.91	-22.39	-22.89
	-23.40	-24.20	-25.34	-26.56	-27.86	-29.25	-30.73	-33.09	-36.67	-40.72
	-44.62	-29.20	-13.51	1.981						

0 27	15.98	3.656	-6.713	-10.59	-12.20	-12.96	-13.38	-13.68	-13.90	-14.07
	-14.29	-14.49	-14.63	-14.77	-14.93	-15.09	-15.27	-15.45	-15.65	-15.85
	-16.07	-16.30	-16.54	-16.80	-17.06	-17.35	-17.64	-17.95	-18.28	-18.62
	-18.97	-19.34	-19.73	-20.13	-20.54	-20.97	-21.42	-21.88	-22.36	-22.86
	-23.37	-24.17	-25.31	-26.52	-27.82	-29.20	-30.67	-33.02	-36.59	-40.64
	-45.06	-29.14	-13.47	1.981						
0 28	15.98	3.235	-7.618	-11.14	-12.50	-13.13	-13.48	-13.74	-13.94	-14.11
	-14.32	-14.51	-14.65	-14.79	-14.95	-15.11	-15.28	-15.46	-15.66	-15.86
	-16.08	-16.30	-16.54	-16.80	-17.06	-17.34	-17.64	-17.94	-18.27	-18.61
	-18.96	-19.32	-19.71	-20.11	-20.52	-20.95	-21.39	-21.86	-22.33	-22.83
	-23.34	-24.14	-25.27	-26.48	-27.77	-29.15	-30.61	-32.96	-36.50	-40.56
	-45.81	-29.09	-13.43	1.981						
0 29	15.98	2.783	-8.638	-11.72	-12.81	-13.31	-13.58	-13.80	-13.99	-14.15
	-14.36	-14.54	-14.67	-14.81	-14.97	-15.13	-15.30	-15.48	-15.67	-15.87
	-16.09	-16.31	-16.55	-16.80	-17.07	-17.34	-17.64	-17.94	-18.26	-18.60
	-18.94	-19.31	-19.69	-20.09	-20.50	-20.93	-21.37	-21.83	-22.31	-22.80
	-23.31	-24.10	-25.23	-26.44	-27.72	-29.09	-30.55	-32.88	-36.41	-40.47
	-46.91	-29.02	-13.39	1.981						
0 30	15.98	2.302	-9.791	-12.34	-13.14	-13.49	-13.69	-13.87	-14.04	-14.19
	-14.39	-14.57	-14.70	-14.84	-14.99	-15.14	-15.31	-15.49	-15.68	-15.88
	-16.10	-16.32	-16.56	-16.81	-17.07	-17.35	-17.64	-17.94	-18.26	-18.59
	-18.94	-19.30	-19.68	-20.07	-20.48	-20.90	-21.34	-21.80	-22.28	-22.77
	-23.28	-24.07	-25.19	-26.39	-27.67	-29.04	-30.49	-32.81	-36.32	-40.34
	-45.61	-28.91	-13.34	1.981						
0 31	15.98	1.796	-11.09	-12.99	-13.48	-13.68	-13.80	-13.94	-14.10	-14.24
	-14.43	-14.60	-14.73	-14.86	-15.01	-15.16	-15.33	-15.51	-15.70	-15.90
	-16.11	-16.33	-16.57	-16.82	-17.08	-17.35	-17.64	-17.94	-18.26	-18.59
	-18.94	-19.30	-19.67	-20.06	-20.47	-20.89	-21.32	-21.78	-22.25	-22.74
	-23.25	-24.03	-25.15	-26.35	-27.62	-28.98	-30.42	-32.73	-36.22	-40.20
	-44.66	-28.79	-13.29	1.981						
0 32	15.98	1.268	-12.57	-13.66	-13.82	-13.87	-13.91	-14.01	-14.15	-14.28
	-14.46	-14.63	-14.75	-14.89	-15.03	-15.18	-15.35	-15.52	-15.71	-15.91
	-16.12	-16.34	-16.58	-16.82	-17.09	-17.36	-17.65	-17.95	-18.26	-18.59
	-18.93	-19.29	-19.66	-20.05	-20.45	-20.87	-21.30	-21.75	-22.21	-22.69
	-23.19	-23.96	-25.07	-26.25	-27.52	-28.86	-30.29	-32.57	-36.01	-39.91
	-43.70	-28.55	-13.19	1.981						
0 34	15.98	0.1778	-16.17	-15.04	-14.52	-14.27	-14.15	-14.15	-14.26	-14.38
	-14.54	-14.69	-14.81	-14.94	-15.08	-15.22	-15.39	-15.56	-15.74	-15.94
	-16.15	-16.36	-16.60	-16.84	-17.10	-17.37	-17.66	-17.95	-18.27	-18.59
	-18.93	-19.29	-19.66	-20.04	-20.44	-20.86	-21.29	-21.74	-22.20	-22.68
	-23.17	-23.94	-25.04	-26.21	-27.46	-28.79	-30.22	-32.48	-35.90	-39.77
	-43.68	-28.44	-13.13	1.981						
0 35	15.98	-0.3629	-18.35	-15.73	-14.87	-14.46	-14.26	-14.22	-14.32	-14.42
	-14.57	-14.73	-14.84	-14.96	-15.10	-15.25	-15.40	-15.57	-15.76	-15.95
	-16.16	-16.38	-16.61	-16.85	-17.11	-17.38	-17.66	-17.96	-18.27	-18.60
	-18.93	-19.29	-19.66	-20.04	-20.44	-20.85	-21.28	-21.72	-22.18	-22.66
	-23.15	-23.92	-25.00	-26.17	-27.41	-28.73	-30.14	-32.40	-35.78	-39.63
	-43.95	-28.33	-13.08	1.981						
0 36	15.98	-0.8792	-20.87	-16.39	-15.21	-14.66	-14.38	-14.30	-14.37	-14.47
	-14.61	-14.76	-14.87	-14.99	-15.12	-15.27	-15.42	-15.59	-15.77	-15.97
	-16.17	-16.39	-16.62	-16.86	-17.12	-17.38	-17.67	-17.96	-18.27	-18.60
	-18.93	-19.29	-19.65	-20.04	-20.43	-20.84	-21.27	-21.71	-22.17	-22.64
	-23.13	-23.89	-24.98	-26.13	-27.36	-28.67	-30.07	-32.31	-35.67	-39.49
	-44.54	-28.22	-13.02	1.982						
0 37	15.99	-1.348	-23.77	-17.00	-15.55	-14.85	-14.50	-14.37	-14.43	-14.51
	-14.65	-14.79	-14.90	-15.01	-15.15	-15.29	-15.44	-15.61	-15.79	-15.98
	-16.18	-16.40	-16.63	-16.87	-17.12	-17.39	-17.67	-17.97	-18.28	-18.60
	-18.94	-19.29	-19.65	-20.03	-20.43	-20.84	-21.26	-21.70	-22.16	-22.63
	-23.12	-23.87	-24.95	-26.09	-27.32	-28.62	-30.00	-32.22	-35.55	-39.33
	-45.47	-28.09	-12.96	1.990						
0 38	15.98	-1.934	-22.15	-17.80	-16.04	-15.14	-14.67	-14.48	-14.51	-14.58
	-14.71	-14.84	-14.94	-15.05	-15.18	-15.32	-15.47	-15.63	-15.81	-16.00
	-16.20	-16.42	-16.64	-16.88	-17.13	-17.40	-17.68	-17.97	-18.28	-18.60
	-18.94	-19.28	-19.65	-20.03	-20.42	-20.83	-21.25	-21.69	-22.14	-22.61
	-23.09	-23.84	-24.91	-26.04	-27.25	-28.54	-29.91	-32.08	-35.37	-39.05
	-43.25	-27.85	-12.86	1.982						

*p15

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0 39    15.99     -2.577    -21.53    -18.71    -16.65    -15.50    -14.89    -14.62    -14.62    -14.67
       -14.78     -14.90    -15.00    -15.11    -15.23    -15.36    -15.51    -15.67    -15.84    -16.03
       -16.23     -16.44    -16.66    -16.90    -17.15    -17.41    -17.69    -17.98    -18.28    -18.60
       -18.94     -19.28    -19.64    -20.02    -20.41    -20.81    -21.23    -21.66    -22.11    -22.58
       -23.06     -23.80    -24.85    -25.98    -27.17    -28.44    -29.78    -31.92    -35.14    -38.66
       -41.53     -27.51    -12.74     1.991
0 40    15.98     -3.514    -22.66    -20.02    -17.49    -16.02    -15.21    -14.83    -14.77    -14.80
       -14.88     -14.99    -15.08    -15.18    -15.30    -15.42    -15.56    -15.72    -15.89    -16.07
       -16.26     -16.47    -16.69    -16.92    -17.17    -17.43    -17.70    -17.99    -18.29    -18.60
       -18.93     -19.28    -19.63    -20.00    -20.39    -20.79    -21.20    -21.63    -22.07    -22.53
       -23.00     -23.73    -24.77    -25.87    -27.04    -28.28    -29.59    -31.68    -34.81    -38.21
       -40.60     -27.10    -12.55     1.982
0 41    15.97     -4.872    -29.66    -21.77    -18.39    -16.57    -15.58    -15.08    -14.96    -14.96
       -15.02     -15.11    -15.18    -15.28    -15.38    -15.50    -15.63    -15.78    -15.94    -16.12
       -16.31     -16.51    -16.72    -16.95    -17.19    -17.45    -17.72    -18.00    -18.30    -18.60
       -18.93     -19.26    -19.61    -19.98    -20.36    -20.75    -21.16    -21.58    -22.01    -22.46
       -22.92     -23.64    -24.65    -25.72    -26.85    -28.05    -29.32    -31.33    -34.36    -37.92
       -43.39     -26.93    -12.31     1.982
0 42    15.97     -5.271    -27.12    -22.42    -18.95    -16.97    -15.86    -15.28    -15.12    -15.09
       -15.13     -15.21    -15.28    -15.36    -15.46    -15.57    -15.70    -15.84    -16.00    -16.16
       -16.35     -16.54    -16.75    -16.98    -17.21    -17.47    -17.73    -18.01    -18.30    -18.60
       -18.92     -19.25    -19.60    -19.95    -20.33    -20.71    -21.11    -21.52    -21.95    -22.39
       -22.84     -23.54    -24.52    -25.56    -26.66    -27.81    -29.02    -30.94    -33.84    -37.21
       -40.59     -26.33    -12.02     1.982
0 43    15.97     -5.543    -31.27    -22.82    -19.17    -17.19    -16.05    -15.44    -15.25    -15.21
       -15.23     -15.30    -15.36    -15.44    -15.53    -15.63    -15.76    -15.89    -16.04    -16.21
       -16.38     -16.57    -16.78    -17.00    -17.23    -17.48    -17.74    -18.01    -18.30    -18.60
       -18.91     -19.24    -19.58    -19.93    -20.29    -20.67    -21.06    -21.47    -21.89    -22.31
       -22.76     -23.44    -24.40    -25.40    -26.46    -27.56    -28.72    -30.53    -33.24    -36.56
       -42.25     -25.79    -11.67     1.983
0 44    15.97     -4.793    -26.24    -22.05    -19.02    -17.23    -16.16    -15.55    -15.36    -15.30
       -15.31     -15.37    -15.43    -15.50    -15.58    -15.69    -15.80    -15.93    -16.08    -16.24
       -16.41     -16.60    -16.80    -17.02    -17.25    -17.49    -17.75    -18.02    -18.30    -18.59
       -18.90     -19.22    -19.56    -19.90    -20.26    -20.64    -21.02    -21.42    -21.83    -22.25
       -22.68     -23.35    -24.28    -25.25    -26.27    -27.32    -28.41    -30.10    -32.54    -35.36
       -38.36     -24.71    -11.21     1.984
0 45    15.98     -3.897    -27.67    -21.03    -18.60    -17.15    -16.20    -15.63    -15.43    -15.37
       -15.37     -15.43    -15.48    -15.55    -15.63    -15.73    -15.84    -15.97    -16.11    -16.27
       -16.44     -16.62    -16.82    -17.03    -17.26    -17.50    -17.75    -18.02    -18.30    -18.59
       -18.89     -19.21    -19.54    -19.88    -20.24    -20.60    -20.98    -21.37    -21.78    -22.19
       -22.61     -23.26    -24.17    -25.12    -26.09    -27.09    -28.12    -29.68    -31.81    -34.17
       -38.68     -23.62    -10.71     1.984
0 46    15.99     -2.051    -19.00    -19.00    -17.97    -16.97    -16.19    -15.66    -15.47    -15.41
       -15.42     -15.47    -15.52    -15.58    -15.66    -15.76    -15.87    -15.99    -16.13    -16.29
       -16.46     -16.64    -16.83    -17.04    -17.27    -17.50    -17.75    -18.02    -18.29    -18.58
       -18.88     -19.20    -19.53    -19.87    -20.22    -20.58    -20.95    -21.34    -21.73    -22.14
       -22.56     -23.20    -24.09    -25.00    -25.95    -26.90    -27.86    -29.29    -31.07    -32.49
       -32.81     -22.03    -10.16     1.992
0 47    15.98     0.2761    -12.40    -16.40    -17.07    -16.70    -16.14    -15.69    -15.51    -15.46
       -15.46     -15.51    -15.56    -15.62    -15.70    -15.79    -15.90    -16.02    -16.16    -16.31
       -16.47     -16.65    -16.85    -17.05    -17.28    -17.51    -17.76    -18.02    -18.29    -18.58
       -18.88     -19.19    -19.51    -19.85    -20.19    -20.55    -20.92    -21.30    -21.69    -22.09
       -22.50     -23.13    -23.99    -24.88    -25.79    -26.69    -27.58    -28.85    -30.16    -30.46
       -28.24     -20.09    -9.476     1.986
OHEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  4, STRESS PERIOD  2
0

                    VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  4 IN STRESS PERIOD  2
                    ------------------------------------------------------------------------------
0                   CUMULATIVE VOLUMES      L**3                          RATES FOR THIS TIME STEP      L**3/T
                    ------------------                                    ------------------------

                         IN:                                                   IN:
                         ---                                                   ---
                            STORAGE =   0.29935E+09                               STORAGE =    18.050
                      CONSTANT HEAD =   0.00000                             CONSTANT HEAD =   0.00000
                              WELLS =   0.00000                                     WELLS =   0.00000
                           RECHARGE =   0.81534E+07                             RECHARGE =   0.82252E-01
                      RIVER LEAKAGE =   0.23300E+08                        RIVER LEAKAGE =   0.99880
                    HEAD DEP BOUNDS =   0.13207E+10                      HEAD DEP BOUNDS =    124.40
0                          TOTAL IN =   0.16515E+10                            TOTAL IN =    143.53
```

```
0                    OUT:                                                                    OUT:
                     ----                                                                    ----
                       STORAGE =   0.16270E+09                                                 STORAGE =   0.00000
                CONSTANT HEAD =   0.00000                                              CONSTANT HEAD =   0.00000
                         WELLS =   0.14881E+10                                                 WELLS =    143.53
                      RECHARGE =   0.00000                                                  RECHARGE =   0.00000
              RIVER LEAKAGE =   0.00000                                              RIVER LEAKAGE =   0.00000
            HEAD DEP BOUNDS =   0.70030E+06                                        HEAD DEP BOUNDS =   0.00000
0                 TOTAL OUT =   0.16515E+10                                                TOTAL OUT =    143.53
0                  IN - OUT =    3072.0                                                   IN - OUT =   0.76294E-04
0          PERCENT DISCREPANCY =                0.00                                PERCENT DISCREPANCY =                0.00


0


        TIME SUMMARY AT END OF TIME STEP  4 IN STRESS PERIOD  2
                              SECONDS        MINUTES        HOURS          DAYS           YEARS
                         ----------------------------------------------------------------------
     TIME STEP LENGTH       0.259200E+07   43200.0        720.000        30.0000        0.821355E-01
   STRESS PERIOD TIME       0.103680E+08   172800.        2880.00        120.000        0.328542
 TOTAL SIMULATION TIME      0.233280E+08   388800.        6480.00        270.000        0.739220
1
1                                                STRESS PERIOD NO.   3, LENGTH =   7776000.
                                                 ----------------------------------------

                                                 NUMBER OF TIME STEPS =     3

                                                  MULTIPLIER FOR DELT =     1.000

                                                INITIAL TIME STEP SIZE =   2592000.
0            0 WELLS
0                                                                   RECHARGE =  0.9300000E-09
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
   51 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  3
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   20.21     (  2, 43,  3)   12.26     (  2,  3,  4)   12.29     (  2, 13, 50)   10.89     (  2, 33, 49)   6.207     (  2, 13, 41
  0.4712     (  2,  1, 50)  0.5019     (  2,  2, 49) -0.5001     (  2, 35, 49)   1.629     (  2, 29, 20)   1.192     (  2, 16, 42
  0.1348     (  1, 40, 42) -0.1281     (  2,  6, 48) -0.1866     (  2,  5, 47) -0.4621     (  2, 32, 31) -0.2304     (  2, 20, 21
 -0.1896E-01 (  2,  1, 43)  0.3093E-01 (  2, 37, 32)  0.6090E-01 (  2, 33, 30)  0.1212     (  2, 29, 28) -0.5781E-01 (  2, 13, 15
  0.1065E-01 (  1, 13, 18)  0.1198E-01 (  2,  8, 23) -0.2796E-01 (  2, 24, 25)  0.2369E-01 (  2, 13, 15)  0.3663E-01 (  2, 23, 25
 -0.6979E-02 (  2, 10, 11) -0.1449E-01 (  2, 17, 19) -0.1015E-01 (  2, 13, 16) -0.3498E-01 (  2, 22, 24)  0.1597E-01 (  2, 23, 25
 -0.4647E-02 (  1, 19, 23) -0.3341E-02 (  2,  7, 23)  0.1050E-01 (  2, 19, 21)  0.2836E-02 (  2, 11, 26) -0.1467E-01 (  2, 17, 19
  0.2669E-02 (  2, 10, 12)  0.5482E-02 (  2, 19, 21)  0.3203E-02 (  2, 25, 26)  0.1390E-01 (  2, 23, 25) -0.7581E-02 (  2, 23, 25
  0.1854E-02 (  1, 19, 23) -0.1615E-02 (  2, 17, 19) -0.4124E-02 (  2, 18, 20)  0.2648E-02 (  2, 23, 25)  0.6076E-02 (  2, 15, 18
 -0.1041E-02 (  2, 10, 12) -0.2146E-02 (  2, 20, 23) -0.1686E-02 (  2, 24, 26) -0.5421E-02 (  2, 23, 25)  0.3317E-02 (  2, 23, 25
 -0.7683E-03 (  1, 22, 27)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                    HEAD IN LAYER  1 AT END OF TIME STEP  1 IN STRESS PERIOD  3
          ---------------------------------------------------------------------

           1          2          3          4          5          6          7          8          9         10
          11         12         13         14         15         16         17         18         19         20
          21         22         23         24         25         26         27         28         29         30
          31         32         33         34         35         36         37         38         39         40
          41         42         43         44         45         46         47         48         49         50
          51         52         53         54
 ---------------------------------------------------------------------------------------------------------------------------------
0  1    15.96      6.847     -1.049     -4.370     -5.974     -6.955     -7.705     -8.381     -8.882     -9.221
       -9.568     -9.834     -10.01     -10.20     -10.38     -10.57     -10.76     -10.96     -11.16     -11.36
       -11.56     -11.77     -11.98     -12.19     -12.40     -12.62     -12.84     -13.07     -13.29     -13.52
       -13.75     -13.98     -14.22     -14.45     -14.69     -14.92     -15.16     -15.40     -15.63     -15.87
       -16.10     -16.45     -16.90     -17.33     -17.73     -18.10     -18.42     -18.81     -18.95     -18.42
       -16.49     -11.29     -4.832      1.974
0  2    15.91      5.695     -4.666     -5.731     -6.403     -7.055     -7.692     -8.334     -8.832     -9.172
```

	-9.522	-9.791	-9.973	-10.16	-10.35	-10.54	-10.73	-10.93	-11.13	-11.33
	-11.53	-11.74	-11.96	-12.17	-12.39	-12.61	-12.83	-13.06	-13.28	-13.51
	-13.75	-13.98	-14.22	-14.45	-14.69	-14.93	-15.17	-15.41	-15.65	-15.89
	-16.13	-16.49	-16.95	-17.40	-17.83	-18.22	-18.59	-19.07	-19.47	-19.57
	-19.22	-12.34	-5.202	1.947		.				
0 3	15.95	5.236	-5.305	-6.245	-6.565	-7.038	-7.612	-8.243	-8.748	-9.094
	-9.450	-9.725	-9.911	-10.10	-10.29	-10.48	-10.68	-10.88	-11.08	-11.29
	-11.50	-11.71	-11.92	-12.14	-12.36	-12.58	-12.81	-13.04	-13.27	-13.50
	-13.74	-13.98	-14.21	-14.46	-14.70	-14.94	-15.19	-15.43	-15.68	-15.92
	-16.17	-16.53	-17.01	-17.48	-17.94	-18.37	-18.78	-19.35	-19.94	-20.32
	-19.99	-13.02	-5.510	1.971						
0 4	15.95	4.957	-6.751	-6.542	-6.578	-6.966	-7.522	-8.160	-8.674	-9.027
	-9.390	-9.670	-9.859	-10.05	-10.24	-10.44	-10.64	-10.84	-11.05	-11.26
	-11.47	-11.68	-11.90	-12.12	-12.34	-12.57	-12.79	-13.02	-13.26	-13.49
	-13.73	-13.97	-14.21	-14.46	-14.70	-14.95	-15.20	-15.44	-15.69	-15.94
	-16.19	-16.57	-17.06	-17.55	-18.02	-18.48	-18.92	-19.55	-20.27	-20.90
	-21.48	-13.52	-5.715	1.971						
0 5	15.95	4.967	-6.239	-6.440	-6.440	-6.819	-7.391	-8.051	-8.582	-8.945
	-9.318	-9.604	-9.797	-9.993	-10.19	-10.39	-10.59	-10.80	-11.01	-11.22
	-11.43	-11.65	-11.87	-12.09	-12.31	-12.54	-12.77	-13.01	-13.24	-13.48
	-13.72	-13.96	-14.21	-14.45	-14.70	-14.95	-15.20	-15.46	-15.71	-15.96
	-16.22	-16.60	-17.11	-17.61	-18.10	-18.59	-19.06	-19.74	-20.56	-21.31
	-21.52	-13.88	-5.894	1.970						
0 6	15.95	5.116	-6.610	-6.152	-6.149	-6.589	-7.215	-7.919	-8.473	-8.851
	-9.236	-9.529	-9.727	-9.928	-10.13	-10.33	-10.54	-10.75	-10.96	-11.18
	-11.39	-11.61	-11.83	-12.06	-12.28	-12.52	-12.75	-12.98	-13.22	-13.46
	-13.71	-13.95	-14.20	-14.45	-14.70	-14.95	-15.21	-15.47	-15.72	-15.98
	-16.24	-16.63	-17.15	-17.67	-18.18	-18.69	-19.18	-19.91	-20.83	-21.72
	-22.61	-14.23	-6.049	1.970						
0 7	15.95	5.606	-5.018	-5.410	-5.686	-6.279	-7.000	-7.765	-8.351	-8.745
	-9.144	-9.447	-9.650	-9.856	-10.06	-10.27	-10.48	-10.69	-10.91	-11.13
	-11.35	-11.57	-11.79	-12.02	-12.25	-12.48	-12.72	-12.96	-13.20	-13.44
	-13.69	-13.94	-14.19	-14.44	-14.69	-14.95	-15.21	-15.47	-15.73	-16.00
	-16.26	-16.66	-17.19	-17.73	-18.26	-18.78	-19.30	-20.07	-21.05	-21.97
	-22.30	-14.44	-6.170	1.969						
0 8	15.95	6.266	-4.094	-4.462	-5.088	-5.905	-6.755	-7.596	-8.218	-8.632
	-9.046	-9.359	-9.568	-9.779	-9.991	-10.20	-10.42	-10.64	-10.85	-11.08
	-11.30	-11.52	-11.75	-11.98	-12.21	-12.45	-12.69	-12.93	-13.17	-13.42
	-13.67	-13.92	-14.17	-14.43	-14.68	-14.94	-15.21	-15.47	-15.74	-16.01
	-16.27	-16.68	-17.22	-17.77	-18.32	-18.86	-19.40	-20.20	-21.23	-22.23
	-23.17	-14.65	-6.267	1.969						
0 9	15.96	7.246	-1.056	-3.115	-4.387	-5.492	-6.493	-7.420	-8.080	-8.515
	-8.946	-9.268	-9.483	-9.699	-9.916	-10.13	-10.35	-10.57	-10.80	-11.02
	-11.25	-11.47	-11.71	-11.94	-12.17	-12.41	-12.65	-12.89	-13.14	-13.39
	-13.64	-13.89	-14.15	-14.41	-14.67	-14.93	-15.20	-15.47	-15.74	-16.01
	-16.28	-16.69	-17.25	-17.81	-18.36	-18.92	-19.48	-20.30	-21.36	-22.34
	-22.64	-14.73	-6.335	1.968						
0 10	15.93	8.197	1.288	-1.816	-3.681	-5.079	-6.233	-7.245	-7.944	-8.398
	-8.845	-9.177	-9.398	-9.619	-9.841	-10.06	-10.29	-10.51	-10.74	-10.96
	-11.19	-11.42	-11.66	-11.89	-12.13	-12.37	-12.61	-12.86	-13.10	-13.36
	-13.61	-13.86	-14.12	-14.38	-14.65	-14.91	-15.18	-15.45	-15.73	-16.00
	-16.28	-16.70	-17.26	-17.83	-18.40	-18.97	-19.53	-20.38	-21.47	-22.49
	-23.32	-14.85	-6.387	1.941						
0 11	15.96	8.773	2.482	-1.017	-3.210	-4.795	-6.052	-7.122	-7.847	-8.315
	-8.772	-9.111	-9.336	-9.560	-9.785	-10.01	-10.24	-10.46	-10.69	-10.92
	-11.15	-11.38	-11.62	-11.85	-12.09	-12.34	-12.58	-12.83	-13.08	-13.33
	-13.58	-13.84	-14.10	-14.36	-14.63	-14.89	-15.16	-15.44	-15.71	-15.99
	-16.27	-16.69	-17.26	-17.83	-18.41	-18.98	-19.56	-20.42	-21.51	-22.50
	-22.80	-14.86	-6.410	1.967						
0 12	15.97	9.101	3.118	-0.5565	-2.927	-4.621	-5.939	-7.043	-7.784	-8.261
	-8.725	-9.068	-9.295	-9.522	-9.749	-9.975	-10.20	-10.43	-10.66	-10.89
	-11.12	-11.36	-11.59	-11.83	-12.07	-12.31	-12.56	-12.80	-13.05	-13.31
	-13.56	-13.82	-14.08	-14.34	-14.61	-14.88	-15.15	-15.42	-15.70	-15.98
	-16.26	-16.68	-17.25	-17.83	-18.41	-18.99	-19.57	-20.43	-21.54	-22.53
	-22.75	-14.88	-6.423	1.968						
0 13	15.97	9.375	3.626	-0.1660	-2.678	-4.465	-5.835	-6.970	-7.725	-8.210
	-8.680	-9.026	-9.256	-9.485	-9.714	-9.942	-10.17	-10.40	-10.63	-10.86
	-11.09	-11.33	-11.56	-11.80	-12.05	-12.29	-12.53	-12.78	-13.03	-13.28
	-13.54	-13.80	-14.06	-14.33	-14.59	-14.86	-15.13	-15.41	-15.69	-15.97
	-16.25	-16.67	-17.25	-17.82	-18.41	-18.99	-19.57	-20.44	-21.56	-22.56
	-23.03	-14.91	-6.433	1.968						
0 14	15.97	9.596	4.023	0.1543	-2.467	-4.330	-5.740	-6.901	-7.670	-8.161

	-8.637	-8.986	-9.218	-9.450	-9.683	-9.913	-10.14	-10.37	-10.59	-10.82
	-11.06	-11.29	-11.54	-11.78	-12.02	-12.27	-12.51	-12.75	-13.01	-13.26
	-13.52	-13.78	-14.04	-14.31	-14.57	-14.84	-15.12	-15.39	-15.67	-15.95
	-16.23	-16.66	-17.23	-17.82	-18.40	-18.99	-19.57	-20.45	-21.57	-22.60
	-23.45	-14.94	-6.442	1.968						
0 15	15.97	9.767	4.322	0.4053	-2.297	-4.216	-5.654	-6.834	-7.616	-8.115
	-8.596	-8.948	-9.183	-9.418	-9.663	-9.899	-10.12	-10.34	-10.54	-10.77
	-11.01	-11.24	-11.50	-11.76	-12.02	-12.25	-12.48	-12.72	-12.97	-13.23
	-13.49	-13.76	-14.02	-14.28	-14.55	-14.82	-15.10	-15.37	-15.65	-15.93
	-16.21	-16.64	-17.22	-17.80	-18.39	-18.98	-19.56	-20.44	-21.57	-22.61
	-23.18	-14.95	-6.447	1.968						
0 16	15.97	9.889	4.533	0.5884	-2.168	-4.126	-5.567	-6.760	-7.562	-8.070
	-8.557	-8.912	-9.148	-9.385	-9.636	-9.878	-10.10	-10.32	-10.53	-10.75
	-10.96	-11.15	-11.45	-11.76	-12.05	-12.24	-12.45	-12.66	-12.92	-13.20
	-13.47	-13.73	-14.00	-14.26	-14.53	-14.80	-15.08	-15.35	-15.63	-15.91
	-16.19	-16.62	-17.20	-17.79	-18.37	-18.96	-19.55	-20.43	-21.57	-22.60
	-23.04	-14.96	-6.448	1.968						
0 17	15.97	9.965	4.663	0.7049	-2.083	-4.058	-5.458	-6.657	-7.498	-8.023
	-8.518	-8.876	-9.112	-9.350	-9.603	-9.866	-10.08	-10.29	-10.51	-10.72
	-10.93	-11.11	-11.41	-11.74	-12.04	-12.22	-12.42	-12.63	-12.89	-13.17
	-13.44	-13.71	-13.97	-14.24	-14.51	-14.78	-15.05	-15.33	-15.61	-15.89
	-16.17	-16.60	-17.18	-17.76	-18.35	-18.94	-19.53	-20.42	-21.55	-22.61
	-23.22	-14.96	-6.446	1.968						
0 18	15.97	9.996	4.716	0.7555	-2.041	-4.008	-5.255	-6.454	-7.400	-7.967
	-8.477	-8.838	-9.074	-9.304	-9.510	-9.791	-10.09	-10.27	-10.48	-10.70
	-10.90	-11.08	-11.39	-11.73	-12.01	-12.19	-12.39	-12.60	-12.86	-13.14
	-13.41	-13.68	-13.94	-14.21	-14.48	-14.75	-15.02	-15.30	-15.58	-15.86
	-16.15	-16.58	-17.15	-17.74	-18.33	-18.92	-19.51	-20.39	-21.53	-22.60
	-23.55	-14.96	-6.440	1.968						
0 19	15.97	9.982	4.693	0.7407	-2.043	-3.971	-4.764	-5.949	-7.200	-7.880
	-8.426	-8.792	-9.029	-9.262	-9.491	-9.728	-9.988	-10.21	-10.43	-10.65
	-10.83	-11.14	-11.41	-11.78	-11.95	-12.14	-12.36	-12.57	-12.83	-13.11
	-13.38	-13.65	-13.91	-14.18	-14.45	-14.72	-15.00	-15.27	-15.55	-15.83
	-16.12	-16.55	-17.12	-17.71	-18.30	-18.89	-19.48	-20.36	-21.50	-22.56
	-23.19	-14.93	-6.429	1.968						
0 20	15.97	9.924	4.592	0.6602	-2.088	-3.936	-3.446	-4.592	-6.726	-7.716
	-8.345	-8.719	-8.958	-9.192	-9.424	-9.658	-9.896	-10.13	-10.36	-10.58
	-10.75	-11.11	-11.38	-11.74	-11.90	-12.10	-12.32	-12.53	-12.79	-13.08
	-13.35	-13.62	-13.88	-14.15	-14.42	-14.69	-14.96	-15.24	-15.52	-15.80
	-16.08	-16.51	-17.09	-17.67	-18.26	-18.85	-19.44	-20.32	-21.45	-22.50
	-22.97	-14.90	-6.413	1.968						
0 21	15.97	9.819	4.411	0.5134	-2.178	-3.917	3.6867E-02	-0.9916	-5.544	-7.365
	-8.186	-8.567	-8.804	-9.037	-9.269	-9.502	-9.736	-9.971	-10.21	-10.44
	-10.64	-11.05	-11.33	-11.65	-11.82	-12.04	-12.27	-12.49	-12.75	-13.04
	-13.31	-13.57	-13.84	-14.11	-14.38	-14.65	-14.93	-15.20	-15.48	-15.77
	-16.05	-16.48	-17.05	-17.64	-18.22	-18.81	-19.39	-20.27	-21.40	-22.46
	-23.07	-14.86	-6.394	1.968						
0 22	15.97	9.667	4.143	0.2992	-2.313	-4.061	-3.504	-4.413	-2.688	-6.608
	-7.830	-8.186	-8.410	-8.637	-8.868	-9.100	-9.334	-9.573	-9.824	-10.10
	-10.40	-10.66	-10.97	-11.37	-11.64	-11.90	-12.17	-12.43	-12.69	-12.97
	-13.24	-13.51	-13.78	-14.06	-14.33	-14.60	-14.88	-15.16	-15.44	-15.72
	-16.01	-16.44	-17.01	-17.59	-18.18	-18.76	-19.34	-20.22	-21.34	-22.40
	-23.31	-14.82	-6.371	1.967						
0 23	15.95	9.465	3.778	1.6631E-02	-2.490	-4.220	-4.887	-5.671	-0.3335	-5.075
	-6.989	-7.146	-7.325	-7.542	-7.770	-8.000	-8.233	-8.475	-8.747	-9.110
	-9.671	-10.06	-10.43	-10.87	-11.22	-11.54	-11.88	-12.19	-12.49	-12.80
	-13.09	-13.38	-13.67	-13.96	-14.24	-14.53	-14.81	-15.09	-15.38	-15.67
	-15.95	-16.38	-16.96	-17.54	-18.13	-18.71	-19.29	-20.16	-21.27	-22.31
	-22.87	-14.75	-6.342	1.945						
0 24	15.96	9.276	3.422	-0.2466	-2.651	-4.337	-5.317	-6.112	-1.365	-2.192
	-5.469	-4.947	-5.069	-5.281	-5.504	-5.728	-5.954	-6.187	-6.457	-6.914
	-8.202	-8.716	-9.178	-9.951	-10.41	-10.81	-11.33	-11.72	-12.07	-12.47
	-12.81	-13.13	-13.47	-13.79	-14.09	-14.40	-14.70	-15.00	-15.30	-15.60
	-15.89	-16.33	-16.91	-17.50	-18.08	-18.66	-19.24	-20.11	-21.21	-22.23
	-22.65	-14.70	-6.317	1.966						
0 25	15.97	9.138	3.153	-0.4397	-2.767	-4.416	-5.506	-6.338	-3.512	1.177
	-3.934	-2.430	-2.578	-2.797	-3.014	-3.228	-3.442	-3.659	-3.898	-4.315
	-6.692	-7.175	-7.666	-8.950	-9.474	-9.938	-10.70	-11.16	-11.57	-12.09
	-12.48	-12.85	-13.24	-13.59	-13.92	-14.26	-14.59	-14.90	-15.22	-15.53
	-15.83	-16.28	-16.87	-17.46	-18.05	-18.63	-19.21	-20.07	-21.17	-22.18
	-22.58	-14.66	-6.300	1.968						
0 26	15.97	8.986	2.851	-0.6498	-2.891	-4.496	-5.637	-6.508	-4.856	1.052

	-1.729	-4.630	-5.078	-5.344	-5.577	-5.801	-6.023	-6.241	-6.439	-6.463
	-4.566	-4.613	-5.009	-7.405	-7.894	-8.388	-9.680	-10.21	-10.68	-11.45
	-11.92	-12.34	-12.86	-13.26	-13.63	-14.03	-14.39	-14.73	-15.08	-15.42
	-15.74	-16.21	-16.82	-17.42	-18.01	-18.59	-19.17	-20.03	-21.12	-22.13
	-22.59	-14.63	-6.281	1.969						
0 27	15.96	8.821	2.512	-0.8767	-3.023	-4.578	-5.736	-6.638	-5.819	-2.697
	-4.415	-6.169	-6.635	-6.919	-7.159	-7.387	-7.611	-7.827	-8.007	-8.005
	-7.222	-7.198	-7.176	-5.238	-5.284	-5.684	-8.111	-8.606	-9.107	-10.42
	-10.96	-11.43	-12.22	-12.69	-13.12	-13.65	-14.06	-14.44	-14.86	-15.24
	-15.60	-16.09	-16.74	-17.36	-17.96	-18.55	-19.13	-19.99	-21.08	-22.09
	-22.67	-14.59	-6.262	1.969						
0 28	15.96	8.644	2.134	-1.120	-3.162	-4.662	-5.817	-6.740	-6.477	-4.963
	-6.077	-7.185	-7.594	-7.873	-8.114	-8.343	-8.566	-8.781	-8.962	-9.020
	-8.756	-8.771	-8.726	-7.921	-7.895	-7.874	-5.908	-5.956	-6.363	-8.827
	-9.331	-9.841	-11.17	-11.72	-12.21	-13.00	-13.49	-13.92	-14.48	-14.93
	-15.36	-15.90	-16.62	-17.28	-17.90	-18.49	-19.08	-19.94	-21.03	-22.04
	-22.77	-14.55	-6.241	1.969						
0 29	15.96	8.455	1.712	-1.378	-3.307	-4.748	-5.888	-6.821	-6.916	-6.296
	-7.082	-7.834	-8.180	-8.447	-8.684	-8.911	-9.134	-9.348	-9.538	-9.655
	-9.637	-9.713	-9.738	-9.463	-9.479	-9.435	-8.622	-8.600	-8.582	-6.590
	-6.641	-7.055	-9.560	-10.07	-10.59	-11.95	-12.50	-13.00	-13.83	-14.40
	-14.97	-15.58	-16.42	-17.16	-17.82	-18.41	-19.01	-19.89	-20.97	-21.98
	-22.80	-14.51	-6.219	1.969						
0 30	15.96	8.256	1.245	-1.650	-3.457	-4.837	-5.953	-6.889	-7.204	-7.072
	-7.684	-8.240	-8.539	-8.791	-9.024	-9.249	-9.470	-9.685	-9.884	-10.04
	-10.14	-10.27	-10.37	-10.34	-10.42	-10.45	-10.18	-10.20	-10.16	-9.339
	-9.321	-9.306	-7.285	-7.340	-7.761	-10.31	-10.83	-11.37	-12.78	-13.47
	-14.31	-15.01	-16.07	-16.95	-17.68	-18.30	-18.93	-19.83	-20.90	-21.91
	-22.66	-14.46	-6.197	1.969						
0 31	15.96	8.048	0.7314	-1.933	-3.612	-4.928	-6.016	-6.947	-7.396	-7.524
	-8.045	-8.494	-8.760	-9.001	-9.228	-9.451	-9.671	-9.887	-10.09	-10.28
	-10.44	-10.60	-10.75	-10.85	-10.98	-11.08	-11.06	-11.15	-11.18	-10.91
	-10.93	-10.90	-10.07	-10.06	-10.05	-7.994	-8.053	-8.488	-11.12	-11.84
	-13.24	-14.01	-15.47	-16.60	-17.46	-18.11	-18.79	-19.75	-20.82	-21.84
	-22.44	-14.41	-6.172	1.969						
0 32	15.96	7.834	0.1710	-2.226	-3.770	-5.020	-6.077	-6.999	-7.525	-7.791
	-8.265	-8.655	-8.899	-9.130	-9.354	-9.574	-9.793	-10.01	-10.22	-10.42
	-10.61	-10.80	-10.98	-11.13	-11.30	-11.46	-11.56	-11.70	-11.81	-11.79
	-11.89	-11.93	-11.66	-11.69	-11.66	-10.82	-10.81	-10.80	-8.738	-8.980
	-11.57	-12.27	-14.44	-16.00	-17.09	-17.77	-18.58	-19.64	-20.72	-21.75
	-22.24	-14.35	-6.147	1.969						
0 33	15.96	7.615	-0.4303	-2.524	-3.930	-5.113	-6.137	-7.047	-7.616	-7.954
	-8.401	-8.758	-8.990	-9.214	-9.434	-9.652	-9.870	-10.09	-10.30	-10.51
	-10.71	-10.91	-11.11	-11.30	-11.49	-11.68	-11.85	-12.02	-12.18	-12.29
	-12.44	-12.55	-12.55	-12.65	-12.69	-12.42	-12.46	-12.43	-11.56	-11.35
	-9.196	-9.313	-12.70	-14.95	-16.46	-17.18	-18.21	-19.47	-20.56	-21.65
	-22.10	-14.29	-6.121	1.969						
0 34	15.96	7.398	-1.059	-2.824	-4.090	-5.207	-6.197	-7.092	-7.684	-8.058
	-8.490	-8.828	-9.051	-9.270	-9.487	-9.704	-9.920	-10.14	-10.35	-10.56
	-10.77	-10.98	-11.19	-11.40	-11.61	-11.81	-12.01	-12.21	-12.40	-12.57
	-12.76	-12.92	-13.04	-13.20	-13.32	-13.32	-13.42	-13.46	-13.15	-12.99
	-12.10	-12.07	-9.846	-13.19	-15.37	-16.13	-17.57	-19.20	-20.30	-21.51
	-22.00	-14.22	-6.093	1.970						
0 35	15.96	7.185	-1.687	-3.118	-4.250	-5.301	-6.257	-7.136	-7.738	-8.129
	-8.552	-8.878	-9.095	-9.310	-9.525	-9.740	-9.955	-10.17	-10.39	-10.60
	-10.81	-11.03	-11.25	-11.46	-11.68	-11.89	-12.10	-12.32	-12.53	-12.73
	-12.94	-13.14	-13.32	-13.51	-13.69	-13.81	-13.97	-14.09	-14.05	-14.03
	-13.73	-13.77	-12.65	-10.30	-13.55	-14.26	-16.45	-18.73	-19.84	-21.32
	-21.90	-14.14	-6.063	1.970						
0 36	15.96	6.981	-2.268	-3.402	-4.408	-5.395	-6.317	-7.178	-7.783	-8.181
	-8.597	-8.916	-9.129	-9.341	-9.554	-9.767	-9.981	-10.20	-10.41	-10.63
	-10.84	-11.06	-11.28	-11.50	-11.72	-11.94	-12.16	-12.38	-12.61	-12.83
	-13.05	-13.26	-13.48	-13.69	-13.90	-14.08	-14.28	-14.45	-14.55	-14.64
	-14.62	-14.77	-14.34	-13.13	-10.63	-11.10	-14.55	-17.91	-19.02	-21.01
	-21.70	-14.03	-6.032	1.972						
0 37	15.97	6.791	-2.738	-3.669	-4.563	-5.488	-6.376	-7.219	-7.822	-8.222
	-8.633	-8.947	-9.157	-9.367	-9.578	-9.789	-10.00	-10.22	-10.43	-10.65
	-10.86	-11.08	-11.30	-11.52	-11.75	-11.97	-12.20	-12.42	-12.65	-12.88
	-13.11	-13.34	-13.56	-13.79	-14.01	-14.23	-14.45	-14.65	-14.83	-14.98
	-15.10	-15.34	-15.31	-14.81	-13.61	-13.91	-11.45	-16.49	-17.56	-20.46
	-21.19	-13.89	-5.998	1.982						
0 38	15.96	6.527	-3.198	-4.044	-4.790	-5.627	-6.465	-7.280	-7.877	-8.275

	-8.679	-8.986	-9.193	-9.400	-9.608	-9.818	-10.03	-10.24	-10.45	-10.67
	-10.89	-11.11	-11.33	-11.55	-11.77	-12.00	-12.23	-12.46	-12.69	-12.92
	-13.16	-13.40	-13.63	-13.87	-14.11	-14.35	-14.59	-14.82	-15.05	-15.26
	-15.47	-15.79	-16.10	-16.24	-16.13	-16.47	-15.75	-13.06	-13.89	-19.05
	-19.57	-13.57	-5.943	1.972						
0 39	15.97	6.229	-3.517	-4.477	-5.074	-5.803	-6.579	-7.359	-7.942	-8.333
	-8.730	-9.031	-9.234	-9.438	-9.643	-9.850	-10.06	-10.27	-10.48	-10.69
	-10.91	-11.13	-11.35	-11.57	-11.79	-12.02	-12.25	-12.48	-12.71	-12.95
	-13.19	-13.43	-13.67	-13.91	-14.15	-14.40	-14.64	-14.89	-15.13	-15.38
	-15.62	-15.98	-16.43	-16.82	-17.15	-17.57	-17.68	-17.29	-18.10	-13.98
	-13.93	-12.61	-5.851	1.984						
0 40	15.95	5.816	-4.155	-5.081	-5.469	-6.053	-6.743	-7.473	-8.034	-8.413
	-8.799	-9.092	-9.290	-9.490	-9.691	-9.894	-10.10	-10.31	-10.52	-10.73
	-10.94	-11.16	-11.37	-11.60	-11.82	-12.04	-12.27	-12.50	-12.73	-12.97
	-13.20	-13.44	-13.68	-13.93	-14.17	-14.42	-14.66	-14.91	-15.16	-15.41
	-15.66	-16.04	-16.53	-17.02	-17.50	-17.97	-18.40	-18.97	-19.83	-19.87
	-19.62	-9.181	-5.686	1.971						
0 41	15.95	5.303	-6.049	-5.829	-5.892	-6.327	-6.931	-7.608	-8.143	-8.508
	-8.881	-9.166	-9.358	-9.553	-9.749	-9.948	-10.15	-10.35	-10.56	-10.77
	-10.98	-11.19	-11.40	-11.62	-11.84	-12.06	-12.29	-12.52	-12.75	-12.98
	-13.21	-13.45	-13.69	-13.93	-14.17	-14.41	-14.65	-14.90	-15.15	-15.39
	-15.64	-16.01	-16.51	-16.99	-17.48	-17.95	-18.41	-19.07	-19.91	-20.62
	-21.29	-12.93	-5.676	1.971						
0 42	15.95	5.089	-5.991	-6.174	-6.162	-6.527	-7.081	-7.722	-8.237	-8.591
	-8.953	-9.231	-9.419	-9.609	-9.802	-9.997	-10.19	-10.39	-10.60	-10.80
	-11.01	-11.22	-11.43	-11.65	-11.86	-12.08	-12.31	-12.53	-12.76	-12.99
	-13.22	-13.45	-13.69	-13.92	-14.16	-14.40	-14.64	-14.88	-15.12	-15.37
	-15.61	-15.97	-16.45	-16.93	-17.39	-17.85	-18.29	-18.92	-19.69	-20.40
	-20.63	-13.18	-5.571	1.971						
0 43	15.95	5.015	-6.788	-6.331	-6.281	-6.645	-7.189	-7.813	-8.315	-8.660
	-9.014	-9.287	-9.471	-9.658	-9.847	-10.04	-10.23	-10.43	-10.63	-10.83
	-11.04	-11.24	-11.45	-11.67	-11.88	-12.10	-12.32	-12.54	-12.76	-12.99
	-13.22	-13.45	-13.68	-13.92	-14.15	-14.39	-14.62	-14.86	-15.10	-15.34
	-15.57	-15.93	-16.40	-16.86	-17.30	-17.74	-18.15	-18.73	-19.42	-20.09
	-20.85	-12.98	-5.419	1.972						
0 44	15.95	5.272	-5.626	-6.047	-6.234	-6.684	-7.255	-7.880	-8.376	-8.716
	-9.065	-9.333	-9.515	-9.699	-9.885	-10.07	-10.27	-10.46	-10.66	-10.86
	-11.06	-11.26	-11.47	-11.68	-11.90	-12.11	-12.33	-12.55	-12.77	-12.99
	-13.22	-13.45	-13.68	-13.91	-14.14	-14.37	-14.61	-14.84	-15.07	-15.31
	-15.54	-15.89	-16.34	-16.79	-17.22	-17.62	-18.00	-18.54	-19.11	-19.56
	-19.63	-12.53	-5.224	1.973						
0 45	15.95	5.673	-5.204	-5.584	-6.062	-6.660	-7.286	-7.926	-8.421	-8.759
	-9.104	-9.370	-9.549	-9.731	-9.916	-10.10	-10.29	-10.49	-10.68	-10.88
	-11.08	-11.28	-11.49	-11.70	-11.91	-12.12	-12.34	-12.55	-12.77	-13.00
	-13.22	-13.45	-13.67	-13.90	-14.13	-14.36	-14.59	-14.82	-15.05	-15.28
	-15.51	-15.85	-16.29	-16.72	-17.13	-17.52	-17.87	-18.34	-18.77	-19.02
	-19.22	-12.04	-5.004	1.974						
0 46	15.98	6.361	-2.683	-4.757	-5.800	-6.595	-7.291	-7.953	-8.452	-8.789
	-9.133	-9.397	-9.575	-9.756	-9.939	-10.12	-10.31	-10.50	-10.70	-10.89
	-11.09	-11.29	-11.50	-11.71	-11.92	-12.13	-12.34	-12.56	-12.78	-13.00
	-13.22	-13.44	-13.67	-13.90	-14.12	-14.35	-14.58	-14.81	-15.03	-15.26
	-15.49	-15.82	-16.25	-16.67	-17.06	-17.43	-17.75	-18.16	-18.44	-18.29
	-17.25	-11.38	-4.773	1.987						
0 47	15.96	7.275	-0.1544	-3.663	-5.419	-6.486	-7.280	-7.975	-8.479	-8.818
	-9.161	-9.423	-9.600	-9.780	-9.961	-10.15	-10.33	-10.52	-10.71	-10.91
	-11.11	-11.31	-11.51	-11.72	-11.92	-12.13	-12.35	-12.56	-12.78	-13.00
	-13.22	-13.44	-13.67	-13.89	-14.12	-14.34	-14.57	-14.79	-15.02	-15.24
	-15.46	-15.79	-16.21	-16.61	-16.99	-17.33	-17.62	-17.96	-18.03	-17.41
	-15.40	-10.57	-4.483	1.975						

1 HEAD IN LAYER 2 AT END OF TIME STEP 1 IN STRESS PERIOD 3

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54						

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0 1	15.99	11.61	7.587	4.201	1.408	-0.9091	-2.858	-4.525	-5.614	-6.295
	-6.936	-7.390	-7.685	-7.972	-8.251	-8.523	-8.789	-9.048	-9.300	-9.547
	-9.787	-10.02	-10.25	-10.47	-10.69	-10.90	-11.10	-11.30	-11.49	-11.68

	-11.86	-12.03	-12.19	-12.35	-12.49	-12.63	-12.76	-12.88	-12.99	-13.09
	-13.18	-13.29	-13.39	-13.43	-13.40	-13.29	-13.10	-12.68	-11.66	-10.10
	-7.901	-5.015	-1.635	1.995						
0 2	15.99	11.57	7.503	4.161	1.409	-0.8858	-2.826	-4.492	-5.582	-6.264
	-6.907	-7.362	-7.658	-7.946	-8.226	-8.500	-8.766	-9.026	-9.280	-9.527
	-9.768	-10.00	-10.23	-10.46	-10.67	-10.88	-11.09	-11.29	-11.48	-11.67
	-11.85	-12.02	-12.18	-12.34	-12.49	-12.63	-12.76	-12.88	-12.99	-13.09
	-13.18	-13.30	-13.40	-13.44	-13.42	-13.32	-13.14	-12.73	-11.74	-10.21
	-8.030	-5.104	-1.679	1.991						
0 3	15.99	11.56	7.485	4.170	1.445	-0.8352	-2.771	-4.439	-5.533	-6.218
	-6.864	-7.322	-7.619	-7.908	-8.190	-8.465	-8.733	-8.994	-9.249	-9.497
	-9.740	-9.976	-10.21	-10.43	-10.65	-10.86	-11.07	-11.27	-11.46	-11.65
	-11.83	-12.01	-12.17	-12.33	-12.48	-12.62	-12.76	-12.88	-12.99	-13.10
	-13.19	-13.31	-13.41	-13.46	-13.45	-13.36	-13.19	-12.79	-11.82	-10.31
	-8.148	-5.193	-1.724	1.995						
0 4	15.99	11.56	7.490	4.197	1.487	-0.7871	-2.723	-4.395	-5.492	-6.180
	-6.828	-7.288	-7.586	-7.877	-8.160	-8.436	-8.705	-8.967	-9.223	-9.473
	-9.717	-9.954	-10.19	-10.41	-10.63	-10.84	-11.05	-11.25	-11.45	-11.64
	-11.82	-11.99	-12.16	-12.32	-12.47	-12.62	-12.75	-12.88	-12.99	-13.10
	-13.19	-13.31	-13.42	-13.48	-13.47	-13.38	-13.22	-12.83	-11.88	-10.39
	-8.232	-5.255	-1.756	1.995						
0 5	15.99	11.59	7.530	4.252	1.550	-0.7235	-2.663	-4.341	-5.444	-6.135
	-6.786	-7.249	-7.548	-7.840	-8.125	-8.402	-8.673	-8.936	-9.194	-9.444
	-9.689	-9.928	-10.16	-10.39	-10.61	-10.82	-11.03	-11.24	-11.43	-11.62
	-11.80	-11.98	-12.15	-12.31	-12.46	-12.61	-12.74	-12.87	-12.99	-13.09
	-13.19	-13.32	-13.43	-13.49	-13.49	-13.41	-13.25	-12.87	-11.94	-10.46
	-8.306	-5.313	-1.787	1.995						
0 6	15.99	11.63	7.598	4.336	1.634	-0.6446	-2.593	-4.280	-5.389	-6.084
	-6.739	-7.204	-7.505	-7.799	-8.085	-8.364	-8.636	-8.901	-9.160	-9.412
	-9.658	-9.898	-10.13	-10.36	-10.58	-10.80	-11.01	-11.21	-11.41	-11.60
	-11.79	-11.96	-12.13	-12.30	-12.45	-12.60	-12.73	-12.86	-12.98	-13.09
	-13.19	-13.32	-13.44	-13.50	-13.50	-13.43	-13.28	-12.91	-11.99	-10.53
	-8.377	-5.367	-1.815	1.995						
0 7	15.99	11.68	7.705	4.449	1.739	-0.5522	-2.513	-4.211	-5.328	-6.027
	-6.687	-7.154	-7.458	-7.753	-8.041	-8.322	-8.595	-8.862	-9.122	-9.376
	-9.623	-9.865	-10.10	-10.33	-10.55	-10.77	-10.98	-11.19	-11.39	-11.58
	-11.76	-11.94	-12.11	-12.28	-12.43	-12.58	-12.72	-12.85	-12.97	-13.08
	-13.18	-13.31	-13.44	-13.51	-13.52	-13.45	-13.30	-12.95	-12.04	-10.58
	-8.433	-5.413	-1.840	1.995						
0 8	15.99	11.76	7.837	4.585	1.860	-0.4499	-2.427	-4.138	-5.262	-5.966
	-6.631	-7.101	-7.407	-7.704	-7.994	-8.276	-8.551	-8.819	-9.081	-9.336
	-9.585	-9.828	-10.06	-10.30	-10.52	-10.74	-10.95	-11.16	-11.36	-11.55
	-11.74	-11.92	-12.09	-12.26	-12.41	-12.56	-12.71	-12.84	-12.96	-13.07
	-13.17	-13.31	-13.44	-13.51	-13.52	-13.46	-13.32	-12.97	-12.08	-10.63
	-8.482	-5.450	-1.861	1.995						
0 9	15.99	11.85	7.993	4.736	1.988	-0.3425	-2.336	-4.061	-5.193	-5.903
	-6.571	-7.045	-7.353	-7.652	-7.943	-8.227	-8.504	-8.773	-9.037	-9.293
	-9.543	-9.788	-10.03	-10.26	-10.48	-10.70	-10.92	-11.12	-11.33	-11.52
	-11.71	-11.89	-12.06	-12.23	-12.39	-12.54	-12.68	-12.82	-12.94	-13.06
	-13.16	-13.30	-13.43	-13.51	-13.52	-13.47	-13.33	-12.99	-12.11	-10.67
	-8.515	-5.479	-1.877	1.995						
0 10	15.99	11.93	8.147	4.885	2.116	-0.2362	-2.246	-3.983	-5.123	-5.838
	-6.511	-6.987	-7.297	-7.597	-7.891	-8.176	-8.454	-8.725	-8.990	-9.248
	-9.499	-9.745	-9.984	-10.22	-10.44	-10.66	-10.88	-11.09	-11.29	-11.49
	-11.68	-11.86	-12.03	-12.20	-12.36	-12.51	-12.66	-12.79	-12.92	-13.03
	-13.14	-13.28	-13.42	-13.50	-13.52	-13.47	-13.34	-13.00	-12.12	-10.69
	-8.541	-5.499	-1.889	1.990						
0 11	15.99	11.99	8.248	4.987	2.204	-0.1617	-2.182	-3.926	-5.071	-5.789
	-6.464	-6.943	-7.254	-7.556	-7.850	-8.137	-8.416	-8.688	-8.953	-9.212
	-9.465	-9.711	-9.950	-10.18	-10.41	-10.63	-10.85	-11.06	-11.26	-11.46
	-11.65	-11.83	-12.01	-12.18	-12.34	-12.49	-12.63	-12.77	-12.90	-13.01
	-13.12	-13.26	-13.40	-13.49	-13.51	-13.46	-13.33	-13.00	-12.13	-10.70
	-8.548	-5.507	-1.893	1.995						
0 12	16.00	12.02	8.309	5.049	2.258	-0.1150	-2.140	-3.889	-5.037	-5.756
	-6.434	-6.914	-7.225	-7.528	-7.823	-8.110	-8.390	-8.663	-8.929	-9.188
	-9.441	-9.687	-9.928	-10.16	-10.39	-10.61	-10.83	-11.04	-11.24	-11.44
	-11.63	-11.81	-11.99	-12.16	-12.32	-12.47	-12.62	-12.75	-12.88	-13.00
	-13.10	-13.25	-13.39	-13.48	-13.50	-13.45	-13.33	-13.00	-12.13	-10.70
	-8.552	-5.510	-1.895	1.995						
0 13	16.00	12.05	8.362	5.104	2.307	-7.1814E-02	-2.100	-3.852	-5.003	-5.724
	-6.403	-6.884	-7.196	-7.500	-7.795	-8.083	-8.364	-8.637	-8.903	-9.163
	-9.416	-9.663	-9.904	-10.14	-10.37	-10.59	-10.81	-11.02	-11.22	-11.42

	-11.61	-11.79	-11.97	-12.14	-12.30	-12.45	-12.60	-12.74	-12.86	-12.98
	-13.09	-13.23	-13.38	-13.46	-13.49	-13.44	-13.32	-12.99	-12.13	-10.70
	-8.553	-5.512	-1.896	1.995						
0 14	16.00	12.08	8.407	5.151	2.351	-3.2759E-02	-2.063	-3.816	-4.969	-5.691
	-6.372	-6.854	-7.167	-7.471	-7.768	-8.056	-8.337	-8.611	-8.878	-9.138
	-9.391	-9.639	-9.880	-10.11	-10.34	-10.57	-10.78	-10.99	-11.20	-11.39
	-11.59	-11.77	-11.95	-12.12	-12.28	-12.43	-12.58	-12.72	-12.85	-12.96
	-13.07	-13.22	-13.36	-13.45	-13.47	-13.43	-13.31	-12.98	-12.12	-10.70
	-8.553	-5.511	-1.896	1.995						
0 15	16.00	12.10	8.443	5.191	2.387	1.6020E-03	-2.028	-3.782	-4.936	-5.660
	-6.342	-6.825	-7.138	-7.443	-7.740	-8.029	-8.310	-8.584	-8.851	-9.112
	-9.366	-9.613	-9.855	-10.09	-10.32	-10.54	-10.76	-10.97	-11.17	-11.37
	-11.56	-11.75	-11.93	-12.10	-12.26	-12.41	-12.56	-12.70	-12.83	-12.94
	-13.05	-13.20	-13.34	-13.43	-13.46	-13.42	-13.29	-12.97	-12.11	-10.69
	-8.548	-5.509	-1.895	1.995						
0 16	16.00	12.12	8.471	5.221	2.417	3.0772E-02	-1.996	-3.748	-4.904	-5.629
	-6.312	-6.796	-7.110	-7.415	-7.712	-8.001	-8.283	-8.558	-8.825	-9.086
	-9.340	-9.588	-9.829	-10.07	-10.29	-10.52	-10.73	-10.94	-11.15	-11.35
	-11.54	-11.72	-11.90	-12.07	-12.24	-12.39	-12.54	-12.68	-12.80	-12.92
	-13.03	-13.18	-13.32	-13.41	-13.44	-13.40	-13.28	-12.96	-12.10	-10.68
	-8.541	-5.504	-1.892	1.995						
0 17	16.00	12.13	8.490	5.243	2.438	5.4286E-02	-1.966	-3.716	-4.872	-5.598
	-6.283	-6.767	-7.081	-7.387	-7.684	-7.974	-8.256	-8.530	-8.798	-9.059
	-9.313	-9.561	-9.803	-10.04	-10.27	-10.49	-10.71	-10.92	-11.12	-11.32
	-11.51	-11.70	-11.88	-12.05	-12.21	-12.37	-12.51	-12.65	-12.78	-12.90
	-13.01	-13.15	-13.30	-13.39	-13.42	-13.38	-13.26	-12.94	-12.08	-10.66
	-8.531	-5.497	-1.888	1.995						
0 18	16.00	12.14	8.500	5.255	2.452	7.1690E-02	-1.939	-3.684	-4.841	-5.568
	-6.254	-6.739	-7.053	-7.359	-7.657	-7.946	-8.228	-8.503	-8.771	-9.032
	-9.286	-9.535	-9.777	-10.01	-10.24	-10.47	-10.68	-10.89	-11.10	-11.30
	-11.49	-11.67	-11.85	-12.02	-12.19	-12.34	-12.49	-12.63	-12.76	-12.88
	-12.98	-13.13	-13.28	-13.37	-13.40	-13.36	-13.24	-12.92	-12.06	-10.65
	-8.518	-5.487	-1.883	1.995						
0 19	16.00	12.14	8.501	5.257	2.458	8.2486E-02	-1.916	-3.655	-4.811	-5.539
	-6.226	-6.711	-7.026	-7.331	-7.629	-7.918	-8.201	-8.475	-8.743	-9.004
	-9.259	-9.507	-9.750	-9.986	-10.22	-10.44	-10.66	-10.87	-11.07	-11.27
	-11.46	-11.65	-11.83	-12.00	-12.16	-12.32	-12.46	-12.60	-12.73	-12.85
	-12.96	-13.10	-13.25	-13.34	-13.37	-13.33	-13.21	-12.90	-12.04	-10.63
	-8.500	-5.475	-1.877	1.995						
0 20	16.00	12.13	8.492	5.251	2.455	8.6091E-02	-1.897	-3.628	-4.781	-5.511
	-6.199	-6.684	-6.998	-7.304	-7.601	-7.891	-8.173	-8.447	-8.715	-8.976
	-9.231	-9.479	-9.722	-9.958	-10.19	-10.41	-10.63	-10.84	-11.04	-11.24
	-11.43	-11.62	-11.80	-11.97	-12.13	-12.29	-12.43	-12.57	-12.70	-12.82
	-12.93	-13.08	-13.22	-13.31	-13.34	-13.30	-13.18	-12.87	-12.01	-10.60
	-8.480	-5.460	-1.870	1.995						
0 21	16.00	12.12	8.475	5.235	2.444	8.1811E-02	-1.887	-3.609	-4.754	-5.484
	-6.173	-6.658	-6.972	-7.277	-7.574	-7.863	-8.145	-8.419	-8.687	-8.948
	-9.202	-9.451	-9.694	-9.930	-10.16	-10.38	-10.60	-10.81	-11.02	-11.21
	-11.41	-11.59	-11.77	-11.94	-12.10	-12.26	-12.41	-12.54	-12.67	-12.79
	-12.90	-13.05	-13.19	-13.28	-13.31	-13.27	-13.15	-12.84	-11.98	-10.58
	-8.457	-5.444	-1.861	1.995						
0 22	16.00	12.10	8.449	5.209	2.425	6.9106E-02	-1.900	-3.613	-4.732	-5.460
	-6.149	-6.634	-6.947	-7.252	-7.548	-7.837	-8.118	-8.391	-8.658	-8.919
	-9.174	-9.422	-9.665	-9.901	-10.13	-10.35	-10.57	-10.78	-10.99	-11.19
	-11.38	-11.56	-11.74	-11.91	-12.07	-12.23	-12.38	-12.51	-12.64	-12.76
	-12.87	-13.01	-13.16	-13.25	-13.28	-13.24	-13.12	-12.80	-11.95	-10.55
	-8.430	-5.424	-1.851	1.995						
0 23	15.99	12.08	8.414	5.176	2.399	4.8942E-02	-1.923	-3.627	-4.722	-5.442
	-6.130	-6.613	-6.925	-7.229	-7.525	-7.812	-8.093	-8.366	-8.632	-8.892
	-9.147	-9.394	-9.636	-9.872	-10.10	-10.32	-10.54	-10.75	-10.96	-11.16
	-11.35	-11.53	-11.71	-11.88	-12.04	-12.20	-12.34	-12.48	-12.61	-12.73
	-12.84	-12.98	-13.13	-13.22	-13.25	-13.21	-13.08	-12.77	-11.92	-10.51
	-8.400	-5.402	-1.840	1.991						
0 24	15.99	12.06	8.382	5.144	2.373	2.9069E-02	-1.944	-3.643	-4.730	-5.434
	-6.121	-6.602	-6.914	-7.217	-7.512	-7.799	-8.078	-8.351	-8.616	-8.875
	-9.129	-9.376	-9.617	-9.852	-10.08	-10.30	-10.52	-10.73	-10.94	-11.13
	-11.32	-11.51	-11.69	-11.86	-12.02	-12.17	-12.32	-12.46	-12.58	-12.70
	-12.81	-12.96	-13.10	-13.19	-13.22	-13.18	-13.06	-12.74	-11.89	-10.48
	-8.374	-5.384	-1.830	1.995						
0 25	16.00	12.05	8.358	5.122	2.355	1.4431E-02	-1.958	-3.655	-4.740	-5.434
	-6.118	-6.599	-6.911	-7.214	-7.508	-7.794	-8.073	-8.345	-8.609	-8.867
	-9.120	-9.366	-9.606	-9.841	-10.07	-10.29	-10.51	-10.72	-10.92	-11.12

	-11.31	-11.49	-11.67	-11.84	-12.00	-12.16	-12.30	-12.44	-12.57	-12.69
	-12.79	-12.94	-13.08	-13.17	-13.20	-13.16	-13.04	-12.72	-11.87	-10.46
	-8.357	-5.371	-1.824	1.995						
0 26	16.00	12.04	8.333	5.097	2.335	-1.4732E-03	-1.974	-3.668	-4.753	-5.440
	-6.120	-6.603	-6.914	-7.216	-7.510	-7.796	-8.074	-8.345	-8.609	-8.866
	-9.115	-9.360	-9.598	-9.832	-10.06	-10.28	-10.50	-10.70	-10.91	-11.10
	-11.30	-11.48	-11.66	-11.82	-11.99	-12.14	-12.29	-12.42	-12.55	-12.67
	-12.77	-12.92	-13.06	-13.15	-13.18	-13.14	-13.02	-12.70	-11.84	-10.44
	-8.339	-5.358	-1.817	1.995						
0 27	16.00	12.02	8.306	5.071	2.314	-1.8525E-02	-1.990	-3.682	-4.769	-5.454
	-6.129	-6.610	-6.921	-7.223	-7.516	-7.801	-8.079	-8.349	-8.612	-8.868
	-9.116	-9.359	-9.596	-9.827	-10.05	-10.27	-10.49	-10.69	-10.90	-11.09
	-11.28	-11.46	-11.64	-11.81	-11.97	-12.12	-12.27	-12.41	-12.53	-12.65
	-12.76	-12.90	-13.04	-13.13	-13.16	-13.12	-12.99	-12.68	-11.82	-10.42
	-8.320	-5.344	-1.810	1.995						
0 28	16.00	12.00	8.278	5.044	2.292	-3.6609E-02	-2.007	-3.696	-4.785	-5.471
	-6.142	-6.621	-6.931	-7.232	-7.525	-7.809	-8.086	-8.355	-8.618	-8.873
	-9.121	-9.363	-9.598	-9.827	-10.05	-10.27	-10.48	-10.69	-10.89	-11.08
	-11.27	-11.45	-11.63	-11.80	-11.96	-12.11	-12.25	-12.39	-12.52	-12.63
	-12.74	-12.88	-13.02	-13.11	-13.14	-13.10	-12.97	-12.65	-11.80	-10.40
	-8.300	-5.330	-1.802	1.995						
0 29	15.99	11.99	8.248	5.015	2.268	-5.5615E-02	-2.024	-3.712	-4.803	-5.489
	-6.156	-6.633	-6.942	-7.243	-7.534	-7.818	-8.094	-8.363	-8.625	-8.879
	-9.127	-9.368	-9.603	-9.831	-10.05	-10.27	-10.48	-10.69	-10.88	-11.08
	-11.26	-11.44	-11.62	-11.78	-11.94	-12.09	-12.24	-12.37	-12.50	-12.61
	-12.72	-12.86	-13.01	-13.09	-13.12	-13.07	-12.95	-12.63	-11.78	-10.38
	-8.279	-5.314	-1.795	1.995						
0 30	15.99	11.97	8.216	4.985	2.243	-7.5431E-02	-2.041	-3.728	-4.820	-5.508
	-6.172	-6.647	-6.955	-7.254	-7.545	-7.828	-8.104	-8.372	-8.633	-8.887
	-9.134	-9.375	-9.609	-9.837	-10.06	-10.27	-10.48	-10.69	-10.89	-11.08
	-11.26	-11.44	-11.61	-11.77	-11.93	-12.08	-12.22	-12.36	-12.48	-12.60
	-12.70	-12.84	-12.99	-13.07	-13.10	-13.05	-12.93	-12.61	-11.75	-10.35
	-8.257	-5.299	-1.787	1.995						
0 31	15.99	11.95	8.184	4.954	2.218	-9.5949E-02	-2.059	-3.744	-4.838	-5.527
	-6.188	-6.661	-6.968	-7.266	-7.556	-7.839	-8.113	-8.381	-8.642	-8.895
	-9.142	-9.382	-9.616	-9.843	-10.06	-10.28	-10.49	-10.69	-10.89	-11.08
	-11.26	-11.44	-11.61	-11.77	-11.93	-12.07	-12.21	-12.35	-12.47	-12.58
	-12.69	-12.83	-12.97	-13.05	-13.08	-13.03	-12.90	-12.58	-11.73	-10.33
	-8.235	-5.282	-1.779	1.995						
0 32	15.99	11.93	8.150	4.922	2.192	-0.1171	-2.078	-3.761	-4.856	-5.545
	-6.204	-6.675	-6.981	-7.278	-7.568	-7.849	-8.124	-8.391	-8.651	-8.904
	-9.150	-9.390	-9.623	-9.851	-10.07	-10.29	-10.49	-10.70	-10.89	-11.08
	-11.27	-11.44	-11.61	-11.77	-11.93	-12.07	-12.21	-12.34	-12.46	-12.57
	-12.67	-12.81	-12.95	-13.03	-13.05	-13.01	-12.88	-12.56	-11.70	-10.30
	-8.211	-5.265	-1.770	1.995						
0 33	15.99	11.91	8.116	4.890	2.165	-0.1387	-2.096	-3.778	-4.873	-5.562
	-6.220	-6.689	-6.994	-7.290	-7.579	-7.860	-8.134	-8.400	-8.660	-8.912
	-9.158	-9.398	-9.631	-9.858	-10.08	-10.29	-10.50	-10.70	-10.90	-11.09
	-11.27	-11.45	-11.61	-11.77	-11.93	-12.07	-12.21	-12.34	-12.46	-12.56
	-12.66	-12.80	-12.93	-13.01	-13.03	-12.98	-12.86	-12.53	-11.67	-10.27
	-8.186	-5.248	-1.762	1.995						
0 34	15.99	11.89	8.082	4.857	2.138	-0.1606	-2.115	-3.795	-4.891	-5.580
	-6.236	-6.703	-7.007	-7.303	-7.591	-7.871	-8.144	-8.410	-8.669	-8.921
	-9.167	-9.406	-9.639	-9.865	-10.09	-10.30	-10.51	-10.71	-10.90	-11.09
	-11.27	-11.45	-11.62	-11.78	-11.93	-12.07	-12.21	-12.34	-12.45	-12.56
	-12.66	-12.79	-12.92	-13.00	-13.01	-12.96	-12.83	-12.51	-11.64	-10.25
	-8.161	-5.230	-1.753	1.995						
0 35	15.99	11.87	8.048	4.824	2.111	-0.1829	-2.134	-3.812	-4.908	-5.597
	-6.251	-6.717	-7.020	-7.315	-7.602	-7.882	-8.154	-8.420	-8.678	-8.930
	-9.175	-9.414	-9.646	-9.873	-10.09	-10.31	-10.51	-10.72	-10.91	-11.10
	-11.28	-11.45	-11.62	-11.78	-11.93	-12.08	-12.21	-12.34	-12.46	-12.56
	-12.66	-12.79	-12.91	-12.98	-13.00	-12.94	-12.81	-12.48	-11.62	-10.22
	-8.135	-5.211	-1.744	1.995						
0 36	15.99	11.86	8.014	4.792	2.083	-0.2054	-2.153	-3.829	-4.925	-5.613
	-6.266	-6.731	-7.033	-7.327	-7.614	-7.893	-8.165	-8.429	-8.687	-8.939
	-9.184	-9.422	-9.654	-9.880	-10.10	-10.31	-10.52	-10.72	-10.92	-11.10
	-11.29	-11.46	-11.63	-11.79	-11.94	-12.08	-12.22	-12.34	-12.46	-12.56
	-12.66	-12.79	-12.91	-12.97	-12.98	-12.92	-12.79	-12.46	-11.59	-10.19
	-8.108	-5.192	-1.735	1.995						
0 37	16.00	11.84	7.981	4.759	2.056	-0.2279	-2.172	-3.846	-4.941	-5.629
	-6.281	-6.745	-7.046	-7.339	-7.625	-7.904	-8.175	-8.439	-8.697	-8.947
	-9.192	-9.430	-9.662	-9.887	-10.11	-10.32	-10.53	-10.73	-10.92	-11.11

```
        -11.29    -11.46    -11.63    -11.79    -11.94    -12.08    -12.22    -12.34    -12.46    -12.56
        -12.66    -12.79    -12.90    -12.97    -12.97    -12.91    -12.77    -12.43    -11.56    -10.16
        -8.080    -5.172    -1.726     1.998
0 38     15.99     11.81     7.933     4.711     2.015   -0.2617    -2.201    -3.871    -4.966    -5.653
        -6.303    -6.765    -7.065    -7.357    -7.642    -7.920    -8.190    -8.454    -8.710    -8.961
        -9.204    -9.442    -9.673    -9.898    -10.12    -10.33    -10.54    -10.74    -10.93    -11.12
        -11.30    -11.47    -11.64    -11.80    -11.95    -12.09    -12.22    -12.35    -12.46    -12.57
        -12.66    -12.79    -12.90    -12.97    -12.97    -12.90    -12.75    -12.40    -11.52    -10.12
        -8.038    -5.142    -1.712     1.995
0 39     16.00     11.77     7.873     4.650     1.962   -0.3061    -2.239    -3.905    -4.997    -5.682
        -6.330    -6.791    -7.089    -7.381    -7.664    -7.940    -8.210    -8.472    -8.728    -8.977
        -9.220    -9.457    -9.688    -9.912    -10.13    -10.34    -10.55    -10.75    -10.94    -11.13
        -11.31    -11.48    -11.65    -11.80    -11.95    -12.10    -12.23    -12.35    -12.47    -12.57
        -12.66    -12.79    -12.90    -12.96    -12.96    -12.89    -12.74    -12.38    -11.50    -10.07
        -7.986    -5.101    -1.694     1.998
0 40     15.99     11.73     7.789     4.562     1.885   -0.3708    -2.294    -3.953    -5.042    -5.725
        -6.370    -6.828    -7.125    -7.414    -7.696    -7.971    -8.239    -8.500    -8.754    -9.002
        -9.244    -9.479    -9.709    -9.932    -10.15    -10.36    -10.56    -10.76    -10.96    -11.14
        -11.32    -11.49    -11.66    -11.81    -11.96    -12.10    -12.24    -12.36    -12.47    -12.57
        -12.67    -12.79    -12.90    -12.96    -12.95    -12.88    -12.73    -12.36    -11.47    -10.03
        -7.947    -5.044    -1.669     1.995
0 41     15.99     11.67     7.692     4.464     1.796   -0.4484    -2.362    -4.013    -5.097    -5.777
        -6.418    -6.872    -7.168    -7.455    -7.735    -8.008    -8.274    -8.533    -8.786    -9.032
        -9.272    -9.506    -9.734    -9.956    -10.17    -10.38    -10.58    -10.78    -10.97    -11.16
        -11.33    -11.51    -11.67    -11.82    -11.97    -12.11    -12.24    -12.36    -12.47    -12.58
        -12.67    -12.79    -12.89    -12.95    -12.94    -12.86    -12.70    -12.33    -11.42    -9.991
        -7.909    -5.017    -1.643     1.995
0 42     15.99     11.64     7.630     4.392     1.726   -0.5136    -2.421    -4.066    -5.146    -5.822
        -6.460    -6.912    -7.206    -7.492    -7.770    -8.041    -8.305    -8.563    -8.814    -9.059
        -9.298    -9.530    -9.757    -9.977    -10.19    -10.40    -10.60    -10.80    -10.99    -11.17
        -11.35    -11.52    -11.68    -11.83    -11.98    -12.12    -12.25    -12.37    -12.48    -12.58
        -12.66    -12.78    -12.89    -12.93    -12.92    -12.84    -12.67    -12.29    -11.38    -9.938
        -7.858    -4.982    -1.618     1.995
0 43     15.99     11.62     7.595     4.348     1.676   -0.5647    -2.470    -4.112    -5.188    -5.862
        -6.497    -6.947    -7.239    -7.523    -7.800    -8.070    -8.333    -8.589    -8.839    -9.083
        -9.320    -9.551    -9.777    -9.996    -10.21    -10.42    -10.62    -10.81    -11.00    -11.18
        -11.36    -11.53    -11.69    -11.84    -11.98    -12.12    -12.25    -12.37    -12.47    -12.57
        -12.66    -12.77    -12.87    -12.92    -12.90    -12.81    -12.64    -12.25    -11.32    -9.877
        -7.799    -4.937    -1.591     1.996
0 44     15.99     11.62     7.598     4.334     1.647   -0.6014    -2.508    -4.149    -5.222    -5.895
        -6.528    -6.976    -7.267    -7.550    -7.826    -8.095    -8.356    -8.612    -8.860    -9.103
        -9.339    -9.569    -9.793    -10.01    -10.22    -10.43    -10.63    -10.82    -11.01    -11.19
        -11.37    -11.53    -11.69    -11.84    -11.99    -12.12    -12.25    -12.37    -12.47    -12.57
        -12.65    -12.77    -12.86    -12.90    -12.88    -12.78    -12.61    -12.21    -11.27    -9.808
        -7.725    -4.884    -1.562     1.996
0 45     15.99     11.64     7.625     4.342     1.635   -0.6250    -2.537    -4.177    -5.250    -5.921
        -6.552    -7.000    -7.290    -7.572    -7.847    -8.114    -8.375    -8.630    -8.877    -9.119
        -9.354    -9.584    -9.807    -10.02    -10.24    -10.44    -10.64    -10.83    -11.02    -11.20
        -11.37    -11.54    -11.70    -11.85    -11.99    -12.12    -12.25    -12.36    -12.47    -12.57
        -12.65    -12.76    -12.85    -12.89    -12.86    -12.76    -12.58    -12.17    -11.21    -9.739
        -7.649    -4.827    -1.532     1.996
0 46     16.00     11.66     7.677     4.368     1.636   -0.6380    -2.556    -4.198    -5.270    -5.940
        -6.571    -7.017    -7.307    -7.588    -7.862    -8.129    -8.390    -8.643    -8.890    -9.131
        -9.366    -9.594    -9.817    -10.03    -10.24    -10.45    -10.65    -10.84    -11.02    -11.20
        -11.38    -11.54    -11.70    -11.85    -11.99    -12.12    -12.25    -12.36    -12.47    -12.56
        -12.64    -12.75    -12.84    -12.88    -12.84    -12.74    -12.55    -12.14    -11.16    -9.673
        -7.568    -4.772    -1.505     1.998
0 47     15.99     11.70     7.751     4.410     1.646   -0.6466    -2.573    -4.219    -5.290    -5.960
        -6.589    -7.035    -7.324    -7.604    -7.878    -8.144    -8.404    -8.657    -8.903    -9.143
        -9.377    -9.605    -9.827    -10.04    -10.25    -10.46    -10.65    -10.85    -11.03    -11.21
        -11.38    -11.54    -11.70    -11.85    -11.99    -12.12    -12.25    -12.36    -12.46    -12.56
        -12.64    -12.74    -12.83    -12.86    -12.83    -12.72    -12.53    -12.10    -11.11    -9.595
        -7.471    -4.706    -1.474     1.996
OHEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  1, STRESS PERIOD  3
0


        TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  3
                              SECONDS        MINUTES        HOURS          DAYS          YEARS
                         ----------------------------------------------------------------------
     TIME STEP LENGTH        0.259200E+07    43200.0        720.000        30.0000       0.821355E-01
   STRESS PERIOD TIME        0.259200E+07    43200.0        720.000        30.0000       0.821355E-01
```

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 TOTAL SIMULATION TIME        0.259200E+08    432000.        7200.00        300.000        0.821355
1
    26 ITERATIONS FOR TIME STEP   2 IN STRESS PERIOD  3
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ------------------------------------------------------------------------------------------------------------------------------------
    8.712     (  1, 18, 51)  0.8846     (  2,  2, 50)   1.485     (  2,  7, 49)   2.122     (  2, 31, 46)   1.898     (  2, 22, 34
   0.8040E-01 (  2,  1, 49)  0.1016     (  2,  2, 49)  0.1351     (  2,  3, 48)  0.2138     (  2, 29, 25)  0.1884     (  2, 17, 39
   0.1885E-01 (  1, 40, 39) -0.1987E-01 (  2,  6, 47) -0.3339E-01 (  2,  6, 46) -0.6406E-01 (  2, 27, 32) -0.2799E-01 (  2, 25, 12
  -0.3405E-02 (  2,  1, 41) -0.5385E-02 (  2, 11, 12)  0.9699E-02 (  2, 19, 38) -0.1316E-01 (  2, 15, 17)  0.1132E-01 (  2, 25, 25
  -0.1860E-02 (  1, 22, 27)  0.1845E-02 (  2, 17, 18)  0.4124E-02 (  2, 15, 17) -0.4738E-02 (  2, 25, 25) -0.4874E-02 (  2, 15, 17
   0.7026E-03 (  2, 10, 11)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                    HEAD IN LAYER  1 AT END OF TIME STEP  2 IN STRESS PERIOD  3
          ------------------------------------------------------------------
```

	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54						
0 1	15.97	10.22	5.068	2.060	6.0287E-04	-1.622	-3.003	-4.233	-5.075	-5.616
	-6.137	-6.515	-6.763	-7.008	-7.249	-7.486	-7.719	-7.950	-8.177	-8.400
	-8.621	-8.838	-9.052	-9.263	-9.470	-9.674	-9.874	-10.07	-10.26	-10.45
	-10.64	-10.82	-10.99	-11.17	-11.33	-11.49	-11.65	-11.80	-11.94	-12.08
	-12.21	-12.39	-12.60	-12.77	-12.90	-12.97	-12.99	-12.92	-12.49	-11.56
	-9.799	-6.411	-2.320	1.983						
0 2	15.94	9.721	3.636	1.475	-0.1821	-1.656	-2.986	-4.201	-5.041	-5.583
	-6.106	-6.485	-6.735	-6.980	-7.222	-7.460	-7.695	-7.927	-8.155	-8.380
	-8.601	-8.820	-9.035	-9.246	-9.455	-9.660	-9.861	-10.06	-10.25	-10.44
	-10.63	-10.81	-10.99	-11.16	-11.33	-11.49	-11.65	-11.80	-11.95	-12.09
	-12.22	-12.40	-12.62	-12.80	-12.94	-13.03	-13.07	-13.04	-12.73	-12.08
	-10.94	-6.884	-2.491	1.966						
0 3	15.97	9.520	3.292	1.253	-0.2393	-1.630	-2.931	-4.142	-4.986	-5.531
	-6.058	-6.440	-6.691	-6.939	-7.182	-7.423	-7.659	-7.892	-8.122	-8.349
	-8.572	-8.792	-9.009	-9.222	-9.432	-9.639	-9.842	-10.04	-10.24	-10.43
	-10.62	-10.80	-10.98	-11.16	-11.33	-11.49	-11.65	-11.81	-11.95	-12.10
	-12.23	-12.42	-12.65	-12.84	-12.99	-13.10	-13.17	-13.18	-12.95	-12.44
	-11.35	-7.202	-2.635	1.982						
0 4	15.97	9.409	2.818	1.143	-0.2301	-1.583	-2.876	-4.089	-4.939	-5.487
	-6.018	-6.402	-6.656	-6.905	-7.150	-7.392	-7.630	-7.864	-8.096	-8.323
	-8.548	-8.769	-8.987	-9.202	-9.413	-9.621	-9.825	-10.03	-10.22	-10.42
	-10.61	-10.79	-10.97	-11.15	-11.32	-11.49	-11.65	-11.81	-11.96	-12.10
	-12.24	-12.44	-12.67	-12.87	-13.03	-13.15	-13.23	-13.27	-13.11	-12.70
	-11.92	-7.432	-2.731	1.982						
0 5	15.97	9.416	2.937	1.198	-0.1502	-1.497	-2.798	-4.023	-4.880	-5.434
	-5.970	-6.358	-6.613	-6.864	-7.111	-7.355	-7.595	-7.831	-8.064	-8.293
	-8.520	-8.742	-8.962	-9.178	-9.390	-9.600	-9.805	-10.01	-10.21	-10.40
	-10.59	-10.78	-10.96	-11.14	-11.31	-11.48	-11.65	-11.81	-11.96	-12.11
	-12.25	-12.45	-12.69	-12.90	-13.07	-13.20	-13.30	-13.37	-13.25	-12.90
	-12.03	-7.603	-2.816	1.981						
0 6	15.97	9.497	2.919	1.355	2.9767E-03	-1.372	-2.697	-3.942	-4.812	-5.373
	-5.915	-6.307	-6.565	-6.818	-7.068	-7.313	-7.555	-7.793	-8.028	-8.259
	-8.487	-8.711	-8.932	-9.150	-9.364	-9.575	-9.782	-9.986	-10.19	-10.38
	-10.58	-10.76	-10.95	-11.13	-11.30	-11.48	-11.64	-11.80	-11.96	-12.11
	-12.25	-12.46	-12.70	-12.92	-13.10	-13.25	-13.36	-13.45	-13.38	-13.09
	-12.44	-7.766	-2.890	1.981						
0 7	15.97	9.721	3.518	1.704	0.2359	-1.207	-2.576	-3.850	-4.735	-5.305
	-5.854	-6.251	-6.511	-6.767	-7.019	-7.267	-7.511	-7.751	-7.988	-8.221
	-8.450	-8.676	-8.899	-9.118	-9.334	-9.546	-9.755	-9.961	-10.16	-10.36
	-10.55	-10.75	-10.93	-11.11	-11.29	-11.46	-11.63	-11.80	-11.95	-12.11
	-12.25	-12.46	-12.72	-12.94	-13.13	-13.29	-13.41	-13.52	-13.48	-13.21
	-12.41	-7.868	-2.948	1.981						
0 8	15.97	10.03	4.055	2.161	0.5323	-1.011	-2.439	-3.749	-4.652	-5.231
	-5.788	-6.190	-6.453	-6.712	-6.967	-7.217	-7.464	-7.706	-7.944	-8.179
	-8.411	-8.638	-8.863	-9.083	-9.301	-9.514	-9.725	-9.932	-10.14	-10.33
	-10.53	-10.72	-10.91	-11.09	-11.27	-11.45	-11.62	-11.78	-11.94	-12.10
	-12.25	-12.46	-12.72	-12.96	-13.16	-13.32	-13.45	-13.58	-13.57	-13.33

	-12.70	-7.966	-2.994	1.981						
0 9	15.97	10.46	5.242	2.776	0.8753	-0.7974	-2.294	-3.643	-4.565	-5.154
	-5.719	-6.126	-6.393	-6.654	-6.912	-7.164	-7.413	-7.657	-7.898	-8.135
	-8.368	-8.597	-8.823	-9.045	-9.264	-9.479	-9.691	-9.899	-10.10	-10.31
	-10.50	-10.70	-10.89	-11.07	-11.25	-11.43	-11.60	-11.77	-11.93	-12.09
	-12.24	-12.46	-12.72	-12.96	-13.17	-13.35	-13.48	-13.63	-13.63	-13.39
	-12.57	-8.011	-3.027	1.980						
0 10	15.95	10.89	6.246	3.377	1.220	-0.5829	-2.148	-3.537	-4.476	-5.075
	-5.648	-6.060	-6.330	-6.595	-6.855	-7.110	-7.360	-7.607	-7.849	-8.087
	-8.322	-8.553	-8.780	-9.004	-9.224	-9.441	-9.654	-9.864	-10.07	-10.27
	-10.47	-10.67	-10.86	-11.04	-11.23	-11.40	-11.58	-11.75	-11.91	-12.07
	-12.22	-12.45	-12.72	-12.96	-13.18	-13.36	-13.50	-13.66	-13.67	-13.45
	-12.78	-8.061	-3.051	1.963						
0 11	15.97	11.15	6.779	3.751	1.451	-0.4347	-2.045	-3.460	-4.411	-5.017
	-5.595	-6.011	-6.283	-6.549	-6.811	-7.068	-7.320	-7.567	-7.811	-8.050
	-8.286	-8.518	-8.746	-8.971	-9.192	-9.410	-9.623	-9.834	-10.04	-10.24
	-10.44	-10.64	-10.83	-11.02	-11.20	-11.38	-11.56	-11.73	-11.89	-12.05
	-12.21	-12.43	-12.71	-12.95	-13.17	-13.36	-13.50	-13.67	-13.69	-13.46
	-12.64	-8.070	-3.061	1.980						
0 12	15.98	11.30	7.069	3.969	1.591	-0.3431	-1.980	-3.410	-4.369	-4.978
	-5.561	-5.978	-6.252	-6.519	-6.782	-7.040	-7.293	-7.541	-7.784	-8.024
	-8.261	-8.494	-8.723	-8.948	-9.170	-9.388	-9.602	-9.813	-10.02	-10.22
	-10.42	-10.62	-10.81	-11.00	-11.19	-11.37	-11.54	-11.71	-11.88	-12.04
	-12.20	-12.42	-12.70	-12.95	-13.17	-13.35	-13.50	-13.67	-13.70	-13.47
	-12.63	-8.078	-3.067	1.980						
0 13	15.98	11.43	7.302	4.154	1.715	-0.2601	-1.918	-3.361	-4.327	-4.941
	-5.526	-5.946	-6.221	-6.490	-6.754	-7.013	-7.266	-7.513	-7.756	-7.996
	-8.234	-8.467	-8.698	-8.926	-9.149	-9.366	-9.580	-9.791	-9.999	-10.20
	-10.40	-10.60	-10.79	-10.98	-11.17	-11.35	-11.52	-11.70	-11.86	-12.02
	-12.18	-12.41	-12.68	-12.94	-13.16	-13.35	-13.50	-13.67	-13.70	-13.48
	-12.71	-8.089	-3.071	1.980						
0 14	15.98	11.53	7.486	4.307	1.820	-0.1869	-1.860	-3.314	-4.287	-4.904
	-5.492	-5.914	-6.190	-6.462	-6.730	-6.990	-7.242	-7.485	-7.720	-7.963
	-8.202	-8.436	-8.672	-8.904	-9.129	-9.345	-9.556	-9.765	-9.974	-10.18
	-10.38	-10.58	-10.77	-10.96	-11.15	-11.33	-11.51	-11.68	-11.84	-12.01
	-12.16	-12.39	-12.67	-12.92	-13.15	-13.34	-13.49	-13.66	-13.70	-13.49
	-12.81	-8.099	-3.073	1.980						
0 15	15.98	11.61	7.626	4.427	1.906	-0.1242	-1.803	-3.264	-4.245	-4.867
	-5.459	-5.882	-6.160	-6.436	-6.718	-6.984	-7.230	-7.466	-7.674	-7.913
	-8.159	-8.386	-8.643	-8.888	-9.123	-9.327	-9.529	-9.730	-9.943	-10.15
	-10.36	-10.56	-10.75	-10.94	-11.13	-11.31	-11.49	-11.66	-11.83	-11.99
	-12.15	-12.37	-12.65	-12.91	-13.13	-13.32	-13.48	-13.65	-13.70	-13.49
	-12.76	-8.101	-3.074	1.980						
0 16	15.98	11.67	7.725	4.516	1.972	-7.1786E-02	-1.738	-3.203	-4.200	-4.830
	-5.425	-5.851	-6.130	-6.407	-6.695	-6.968	-7.212	-7.448	-7.668	-7.894
	-8.111	-8.291	-8.587	-8.892	-9.157	-9.317	-9.500	-9.678	-9.896	-10.12
	-10.33	-10.53	-10.73	-10.92	-11.10	-11.29	-11.46	-11.64	-11.80	-11.97
	-12.12	-12.35	-12.63	-12.89	-13.11	-13.31	-13.46	-13.64	-13.69	-13.48
	-12.73	-8.100	-3.073	1.980						
0 17	15.98	11.71	7.787	4.573	2.017	-2.8302E-02	-1.639	-3.105	-4.141	-4.788
	-5.391	-5.818	-6.097	-6.374	-6.664	-6.959	-7.195	-7.421	-7.647	-7.871
	-8.081	-8.255	-8.553	-8.874	-9.146	-9.299	-9.476	-9.649	-9.865	-10.10
	-10.31	-10.51	-10.70	-10.89	-11.08	-11.26	-11.44	-11.61	-11.78	-11.94
	-12.10	-12.33	-12.61	-12.87	-13.09	-13.29	-13.45	-13.62	-13.67	-13.48
	-12.77	-8.098	-3.070	1.980						
0 18	15.98	11.72	7.813	4.600	2.041	1.0268E-02	-1.435	-2.897	-4.042	-4.732
	-5.352	-5.781	-6.060	-6.327	-6.562	-6.883	-7.212	-7.402	-7.622	-7.844
	-8.050	-8.233	-8.533	-8.862	-9.116	-9.270	-9.448	-9.621	-9.836	-10.07
	-10.28	-10.48	-10.68	-10.87	-11.06	-11.24	-11.42	-11.59	-11.76	-11.92
	-12.08	-12.31	-12.59	-12.84	-13.07	-13.27	-13.42	-13.60	-13.65	-13.46
	-12.83	-8.091	-3.065	1.980						
0 19	15.98	11.72	7.804	4.595	2.045	5.1303E-02	-0.9337	-2.382	-3.834	-4.642
	-5.299	-5.735	-6.015	-6.285	-6.547	-6.816	-7.103	-7.343	-7.577	-7.799
	-7.979	-8.297	-8.562	-8.910	-9.058	-9.231	-9.415	-9.590	-9.807	-10.04
	-10.25	-10.46	-10.65	-10.84	-11.03	-11.21	-11.39	-11.56	-11.73	-11.89
	-12.05	-12.28	-12.56	-12.82	-13.04	-13.24	-13.40	-13.58	-13.63	-13.44
	-12.74	-8.074	-3.057	1.980						
0 20	15.98	11.69	7.759	4.559	2.027	0.1025	0.3713	-1.036	-3.345	-4.468
	-5.213	-5.658	-5.940	-6.212	-6.478	-6.743	-7.006	-7.256	-7.499	-7.725
	-7.905	-8.271	-8.535	-8.871	-9.008	-9.187	-9.376	-9.555	-9.775	-10.01
	-10.22	-10.42	-10.62	-10.81	-11.00	-11.18	-11.36	-11.53	-11.70	-11.86
	-12.02	-12.25	-12.53	-12.79	-13.02	-13.21	-13.37	-13.55	-13.59	-13.40

	-12.67	-8.053	-3.047	1.980						
0 21	15.98	11.64	7.676	4.492	1.987	0.1481	3.698	2.414	-2.160	-4.099
	-5.043	-5.497	-5.777	-6.049	-6.316	-6.578	-6.838	-7.092	-7.342	-7.585
	-7.789	-8.211	-8.480	-8.783	-8.935	-9.127	-9.327	-9.515	-9.733	-9.967
	-10.18	-10.38	-10.58	-10.77	-10.96	-11.15	-11.33	-11.50	-11.67	-11.83
	-11.99	-12.22	-12.50	-12.76	-12.98	-13.18	-13.33	-13.51	-13.56	-13.37
	-12.67	-8.030	-3.035	1.980						
0 22	15.98	11.57	7.554	4.393	1.923	4.5913E-02	0.3516	-0.8317	0.6193	-3.323
	-4.668	-5.100	-5.368	-5.635	-5.901	-6.163	-6.423	-6.682	-6.948	-7.235
	-7.544	-7.803	-8.108	-8.493	-8.751	-8.988	-9.222	-9.445	-9.667	-9.893
	-10.11	-10.32	-10.52	-10.72	-10.91	-11.10	-11.28	-11.46	-11.63	-11.79
	-11.95	-12.18	-12.47	-12.72	-12.95	-13.14	-13.30	-13.47	-13.52	-13.33
	-12.69	-8.003	-3.021	1.980						
0 23	15.96	11.48	7.388	4.262	1.838	-6.1047E-02	-0.9814	-2.056	2.903	-1.787
	-3.809	-4.052	-4.277	-4.534	-4.797	-5.058	-5.317	-5.580	-5.867	-6.241
	-6.800	-7.192	-7.557	-7.986	-8.319	-8.619	-8.928	-9.202	-9.459	-9.718
	-9.958	-10.19	-10.41	-10.62	-10.82	-11.02	-11.21	-11.39	-11.57	-11.74
	-11.90	-12.14	-12.42	-12.68	-12.91	-13.10	-13.26	-13.43	-13.47	-13.28
	-12.56	-7.966	-3.005	1.966						
0 24	15.97	11.39	7.227	4.140	1.761	-0.1321	-1.391	-2.488	1.914	1.007
	-2.310	-1.914	-2.087	-2.339	-2.598	-2.852	-3.103	-3.357	-3.642	-4.103
	-5.354	-5.861	-6.314	-7.062	-7.501	-7.882	-8.362	-8.715	-9.031	-9.377
	-9.667	-9.932	-10.20	-10.44	-10.67	-10.89	-11.10	-11.30	-11.49	-11.67
	-11.84	-12.09	-12.38	-12.64	-12.87	-13.06	-13.22	-13.39	-13.43	-13.23
	-12.48	-7.936	-2.990	1.979						
0 25	15.98	11.33	7.105	4.050	1.706	-0.1775	-1.566	-2.708	-0.1329	4.222
	-0.8282	0.4866	0.2878	2.8748E-02	-0.2235	-0.4680	-0.7072	-0.9448	-1.199	-1.619
	-3.893	-4.369	-4.848	-6.078	-6.579	-7.017	-7.736	-8.159	-8.527	-8.992
	-9.334	-9.637	-9.968	-10.24	-10.50	-10.75	-10.98	-11.19	-11.40	-11.60
	-11.78	-12.04	-12.34	-12.61	-12.85	-13.04	-13.19	-13.37	-13.41	-13.20
	-12.45	-7.915	-2.980	1.980						
0 26	15.98	11.26	6.969	3.953	1.646	-0.2217	-1.682	-2.871	-1.431	4.100
	1.261	-1.596	-2.085	-2.392	-2.660	-2.916	-3.163	-3.402	-3.616	-3.658
	-1.874	-1.928	-2.313	-4.587	-5.051	-5.517	-6.736	-7.223	-7.649	-8.358
	-8.769	-9.125	-9.578	-9.907	-10.20	-10.51	-10.78	-11.02	-11.26	-11.49
	-11.69	-11.96	-12.29	-12.57	-12.81	-13.01	-13.17	-13.34	-13.38	-13.17
	-12.44	-7.894	-2.969	1.981						
0 27	15.98	11.19	6.818	3.848	1.583	-0.2657	-1.762	-2.993	-2.372	0.5202
	-1.293	-3.075	-3.585	-3.911	-4.188	-4.448	-4.698	-4.935	-5.132	-5.146
	-4.409	-4.390	-4.370	-2.531	-2.569	-2.941	-5.224	-5.675	-6.130	-7.346
	-7.823	-8.238	-8.938	-9.338	-9.681	-10.12	-10.44	-10.72	-11.03	-11.30
	-11.54	-11.85	-12.21	-12.52	-12.77	-12.97	-13.13	-13.31	-13.34	-13.14
	-12.44	-7.873	-2.958	1.981						
0 28	15.98	11.11	6.651	3.736	1.516	-0.3098	-1.823	-3.086	-3.021	-1.667
	-2.897	-4.068	-4.524	-4.847	-5.125	-5.387	-5.637	-5.873	-6.071	-6.141
	-5.896	-5.912	-5.865	-5.090	-5.053	-5.016	-3.138	-3.161	-3.522	-5.817
	-6.259	-6.703	-7.918	-8.384	-8.787	-9.478	-9.867	-10.20	-10.65	-10.99
	-11.30	-11.65	-12.08	-12.44	-12.71	-12.92	-13.09	-13.28	-13.31	-13.11
	-12.44	-7.850	-2.946	1.981						
0 29	15.98	11.02	6.466	3.617	1.447	-0.3546	-1.871	-3.157	-3.456	-2.972
	-3.882	-4.711	-5.107	-5.418	-5.694	-5.954	-6.204	-6.441	-6.647	-6.775
	-6.764	-6.840	-6.859	-6.585	-6.584	-6.522	-5.722	-5.671	-5.620	-3.706
	-3.715	-4.066	-6.373	-6.804	-7.238	-8.450	-8.906	-9.304	-10.01	-10.46
	-10.90	-11.32	-11.87	-12.31	-12.62	-12.84	-13.03	-13.24	-13.27	-13.07
	-12.42	-7.825	-2.934	1.981						
0 30	15.97	10.93	6.264	3.492	1.375	-0.4000	-1.913	-3.212	-3.743	-3.741
	-4.481	-5.119	-5.468	-5.765	-6.037	-6.295	-6.545	-6.782	-6.998	-7.167
	-7.272	-7.399	-7.487	-7.454	-7.514	-7.519	-7.228	-7.214	-7.138	-6.316
	-6.251	-6.186	-4.236	-4.232	-4.573	-6.890	-7.312	-7.741	-8.983	-9.549
	-10.25	-10.75	-11.52	-12.09	-12.48	-12.72	-12.94	-13.18	-13.22	-13.03
	-12.36	-7.797	-2.921	1.981						
0 31	15.97	10.84	6.046	3.362	1.300	-0.4462	-1.951	-3.257	-3.932	-4.193
	-4.843	-5.376	-5.693	-5.978	-6.245	-6.501	-6.750	-6.988	-7.211	-7.407
	-7.570	-7.734	-7.873	-7.959	-8.071	-8.147	-8.100	-8.148	-8.140	-7.834
	-7.807	-7.717	-6.873	-6.794	-6.714	-4.729	-4.712	-5.047	-7.408	-7.998
	-9.209	-9.781	-10.93	-11.74	-12.26	-12.52	-12.81	-13.11	-13.15	-12.98
	-12.29	-7.766	-2.907	1.981						
0 32	15.97	10.74	5.813	3.229	1.225	-0.4931	-1.987	-3.295	-4.056	-4.460
	-5.064	-5.538	-5.833	-6.109	-6.373	-6.627	-6.874	-7.114	-7.342	-7.553
	-7.747	-7.935	-8.107	-8.253	-8.404	-8.530	-8.604	-8.705	-8.769	-8.709
	-8.745	-8.724	-8.402	-8.362	-8.257	-7.390	-7.296	-7.204	-5.203	-5.342
	-7.636	-8.136	-9.935	-11.14	-11.88	-12.19	-12.59	-13.00	-13.05	-12.91

	-12.20	-7.730	-2.893	1.981						
0 33	15.97	10.65	5.570	3.093	1.148	-0.5404	-2.021	-3.329	-4.141	-4.622
	-5.200	-5.641	-5.923	-6.193	-6.453	-6.706	-6.952	-7.192	-7.423	-7.644
	-7.853	-8.056	-8.248	-8.426	-8.601	-8.761	-8.896	-9.035	-9.151	-9.213
	-9.302	-9.354	-9.281	-9.303	-9.270	-8.930	-8.874	-8.750	-7.836	-7.539
	-5.453	-5.410	-8.299	-10.14	-11.25	-11.60	-12.22	-12.83	-12.89	-12.83
	-12.11	-7.690	-2.878	1.981						
0 34	15.97	10.55	5.322	2.957	1.071	-0.5882	-2.055	-3.359	-4.201	-4.722
	-5.287	-5.709	-5.983	-6.248	-6.505	-6.757	-7.002	-7.242	-7.475	-7.701
	-7.918	-8.130	-8.334	-8.529	-8.719	-8.900	-9.066	-9.230	-9.379	-9.503
	-9.630	-9.734	-9.784	-9.861	-9.899	-9.811	-9.818	-9.761	-9.364	-9.101
	-8.155	-7.957	-5.690	-8.495	-10.22	-10.60	-11.59	-12.55	-12.62	-12.70
	-11.99	-7.641	-2.861	1.981						
0 35	15.97	10.46	5.080	2.823	0.9935	-0.6360	-2.088	-3.387	-4.245	-4.788
	-5.344	-5.756	-6.024	-6.286	-6.541	-6.791	-7.036	-7.276	-7.510	-7.738
	-7.960	-8.176	-8.387	-8.591	-8.790	-8.983	-9.167	-9.346	-9.515	-9.670
	-9.822	-9.960	-10.07	-10.19	-10.28	-10.31	-10.37	-10.39	-10.25	-10.11
	-9.710	-9.565	-8.265	-5.869	-8.537	-8.883	-10.54	-12.08	-12.17	-12.51
	-11.83	-7.578	-2.843	1.981						
0 36	15.97	10.37	4.857	2.693	0.9171	-0.6838	-2.121	-3.414	-4.280	-4.833
	-5.385	-5.790	-6.055	-6.314	-6.568	-6.816	-7.060	-7.300	-7.534	-7.763
	-7.987	-8.207	-8.421	-8.630	-8.835	-9.034	-9.227	-9.414	-9.595	-9.768
	-9.935	-10.09	-10.24	-10.38	-10.50	-10.60	-10.70	-10.76	-10.76	-10.73
	-10.59	-10.54	-9.860	-8.448	-5.912	-6.052	-8.817	-11.29	-11.39	-12.19
	-11.54	-7.490	-2.824	1.983						
0 37	15.98	10.28	4.664	2.569	0.8419	-0.7312	-2.154	-3.439	-4.310	-4.867
	-5.415	-5.816	-6.078	-6.336	-6.588	-6.836	-7.079	-7.318	-7.552	-7.782
	-8.007	-8.227	-8.444	-8.655	-8.863	-9.065	-9.263	-9.456	-9.644	-9.825
	-10.00	-10.17	-10.33	-10.48	-10.63	-10.76	-10.88	-10.98	-11.05	-11.09
	-11.08	-11.12	-10.81	-10.04	-8.617	-8.579	-6.087	-9.999	-10.07	-11.66
	-11.03	-7.363	-2.802	1.989						
0 38	15.97	10.16	4.428	2.392	0.7315	-0.8017	-2.202	-3.476	-4.348	-4.907
	-5.452	-5.848	-6.108	-6.363	-6.614	-6.860	-7.102	-7.340	-7.574	-7.803
	-8.029	-8.250	-8.468	-8.681	-8.891	-9.096	-9.298	-9.495	-9.688	-9.876
	-10.06	-10.24	-10.41	-10.58	-10.74	-10.89	-11.04	-11.17	-11.29	-11.39
	-11.48	-11.60	-11.62	-11.43	-11.00	-10.96	-9.913	-6.953	-6.891	-10.37
	-9.704	-7.072	-2.764	1.983						
0 39	15.98	10.02	4.213	2.184	0.5927	-0.8921	-2.265	-3.524	-4.391	-4.949
	-5.490	-5.882	-6.139	-6.393	-6.642	-6.886	-7.127	-7.364	-7.596	-7.825
	-8.050	-8.271	-8.489	-8.702	-8.912	-9.119	-9.321	-9.519	-9.714	-9.904
	-10.09	-10.27	-10.45	-10.62	-10.79	-10.95	-11.11	-11.25	-11.39	-11.53
	-11.65	-11.82	-11.99	-12.06	-12.04	-12.09	-11.79	-10.79	-10.60	-6.123
	-5.279	-6.179	-2.696	1.990						
0 40	15.97	9.825	3.884	1.895	0.3989	-1.021	-2.355	-3.592	-4.451	-5.004
	-5.539	-5.927	-6.182	-6.432	-6.679	-6.921	-7.160	-7.395	-7.626	-7.853
	-8.077	-8.297	-8.513	-8.726	-8.935	-9.141	-9.343	-9.541	-9.736	-9.926
	-10.11	-10.30	-10.47	-10.65	-10.82	-10.98	-11.14	-11.29	-11.44	-11.58
	-11.72	-11.91	-12.14	-12.32	-12.47	-12.59	-12.62	-12.54	-12.42	-11.36
	-10.26	-3.093	-2.566	1.982						
0 41	15.97	9.596	3.190	1.552	0.1893	-1.164	-2.460	-3.674	-4.521	-5.068
	-5.596	-5.979	-6.231	-6.479	-6.723	-6.963	-7.199	-7.431	-7.660	-7.886
	-8.107	-8.326	-8.540	-8.752	-8.959	-9.163	-9.364	-9.561	-9.754	-9.943
	-10.13	-10.31	-10.49	-10.66	-10.83	-10.99	-11.15	-11.30	-11.45	-11.59
	-11.73	-11.92	-12.15	-12.35	-12.51	-12.64	-12.72	-12.78	-12.67	-12.27
	-11.54	-6.674	-2.624	1.982						
0 42	15.97	9.490	3.087	1.375	5.0283E-02	-1.272	-2.546	-3.744	-4.582	-5.123
	-5.646	-6.025	-6.275	-6.520	-6.762	-6.999	-7.234	-7.464	-7.691	-7.915
	-8.135	-8.351	-8.564	-8.774	-8.980	-9.182	-9.382	-9.577	-9.769	-9.956
	-10.14	-10.32	-10.50	-10.67	-10.83	-10.99	-11.15	-11.30	-11.45	-11.58
	-11.72	-11.91	-12.13	-12.32	-12.48	-12.60	-12.68	-12.73	-12.61	-12.25
	-11.43	-7.099	-2.595	1.982						
0 43	15.97	9.458	2.854	1.300	-1.6580E-02	-1.340	-2.610	-3.800	-4.632	-5.169
	-5.688	-6.065	-6.312	-6.556	-6.795	-7.031	-7.264	-7.493	-7.718	-7.940
	-8.158	-8.373	-8.585	-8.793	-8.998	-9.199	-9.396	-9.590	-9.781	-9.967
	-10.15	-10.33	-10.50	-10.67	-10.83	-10.99	-11.15	-11.30	-11.44	-11.58
	-11.71	-11.89	-12.11	-12.30	-12.44	-12.55	-12.62	-12.65	-12.48	-12.11
	-11.44	-7.045	-2.529	1.982						
0 44	15.97	9.564	3.234	1.412	-6.3339E-03	-1.370	-2.652	-3.843	-4.673	-5.207
	-5.723	-6.098	-6.344	-6.586	-6.824	-7.058	-7.289	-7.517	-7.741	-7.961
	-8.178	-8.392	-8.602	-8.809	-9.012	-9.212	-9.409	-9.601	-9.790	-9.975
	-10.16	-10.33	-10.51	-10.67	-10.84	-10.99	-11.15	-11.29	-11.43	-11.57
	-11.70	-11.88	-12.09	-12.27	-12.41	-12.50	-12.55	-12.56	-12.34	-11.87

	-10.98	-6.851	-2.440	1.983						
0 45	15.97	9.744	3.527	1.619	6.3449E-02	-1.368	-2.676	-3.874	-4.703	-5.236
	-5.751	-6.123	-6.368	-6.609	-6.846	-7.080	-7.310	-7.536	-7.759	-7.978
	-8.194	-8.407	-8.616	-8.822	-9.024	-9.223	-9.418	-9.610	-9.798	-9.982
	-10.16	-10.34	-10.51	-10.67	-10.84	-10.99	-11.14	-11.29	-11.43	-11.56
	-11.68	-11.86	-12.07	-12.24	-12.37	-12.45	-12.49	-12.47	-12.18	-11.62
	-10.71	-6.624	-2.339	1.983						
0 46	15.98	10.04	4.459	1.972	0.1757	-1.345	-2.686	-3.894	-4.724	-5.257
	-5.771	-6.143	-6.387	-6.627	-6.863	-7.096	-7.325	-7.550	-7.772	-7.991
	-8.206	-8.418	-8.627	-8.832	-9.033	-9.231	-9.426	-9.616	-9.803	-9.986
	-10.16	-10.34	-10.51	-10.67	-10.84	-10.99	-11.14	-11.28	-11.42	-11.55
	-11.68	-11.85	-12.05	-12.21	-12.34	-12.41	-12.44	-12.38	-12.03	-11.30
	-9.946	-6.334	-2.233	1.992						
0 47	15.97	10.43	5.509	2.449	0.3415	-1.302	-2.688	-3.911	-4.744	-5.277
	-5.791	-6.161	-6.405	-6.644	-6.880	-7.112	-7.340	-7.565	-7.786	-8.004
	-8.218	-8.429	-8.637	-8.841	-9.042	-9.239	-9.433	-9.623	-9.809	-9.991
	-10.17	-10.34	-10.51	-10.67	-10.83	-10.99	-11.14	-11.28	-11.41	-11.54
	-11.66	-11.84	-12.03	-12.19	-12.30	-12.37	-12.37	-12.29	-11.84	-10.90
	-9.145	-5.970	-2.102	1.984						

1 HEAD IN LAYER 2 AT END OF TIME STEP 2 IN STRESS PERIOD 3

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54						

0 1	16.00	12.76	9.707	6.981	4.581	2.469	0.6036	-1.052	-2.156	-2.851
	-3.507	-3.971	-4.271	-4.562	-4.845	-5.120	-5.386	-5.643	-5.893	-6.134
	-6.367	-6.593	-6.810	-7.019	-7.220	-7.412	-7.597	-7.773	-7.940	-8.099
	-8.249	-8.390	-8.522	-8.645	-8.758	-8.861	-8.954	-9.036	-9.108	-9.168
	-9.217	-9.273	-9.297	-9.268	-9.182	-9.035	-8.822	-8.396	-7.519	-6.291
	-4.681	-2.687	-0.4158	1.997						
0 2	15.99	12.74	9.677	6.969	4.588	2.486	0.6248	-1.029	-2.135	-2.830
	-3.486	-3.951	-4.251	-4.543	-4.827	-5.101	-5.368	-5.626	-5.876	-6.118
	-6.352	-6.577	-6.795	-7.005	-7.206	-7.399	-7.584	-7.761	-7.929	-8.088
	-8.239	-8.381	-8.513	-8.637	-8.750	-8.854	-8.947	-9.031	-9.103	-9.164
	-9.214	-9.272	-9.298	-9.272	-9.189	-9.045	-8.835	-8.416	-7.550	-6.336
	-4.736	-2.726	-0.4352	1.994						
0 3	16.00	12.74	9.675	6.980	4.612	2.518	0.6594	-0.9952	-2.102	-2.798
	-3.456	-3.922	-4.223	-4.515	-4.799	-5.075	-5.342	-5.601	-5.851	-6.094
	-6.328	-6.555	-6.773	-6.983	-7.186	-7.379	-7.565	-7.743	-7.911	-8.072
	-8.223	-8.366	-8.499	-8.623	-8.738	-8.843	-8.937	-9.022	-9.095	-9.158
	-9.209	-9.268	-9.298	-9.275	-9.196	-9.056	-8.851	-8.440	-7.585	-6.382
	-4.787	-2.765	-0.4550	1.997						
0 4	16.00	12.75	9.682	6.998	4.637	2.547	0.6891	-0.9666	-2.075	-2.772
	-3.431	-3.897	-4.199	-4.492	-4.777	-5.053	-5.320	-5.580	-5.831	-6.074
	-6.309	-6.536	-6.755	-6.966	-7.168	-7.363	-7.549	-7.727	-7.897	-8.058
	-8.210	-8.353	-8.487	-8.612	-8.728	-8.833	-8.929	-9.014	-9.088	-9.152
	-9.204	-9.265	-9.297	-9.276	-9.200	-9.063	-8.861	-8.455	-7.609	-6.414
	-4.822	-2.791	-0.4688	1.997						
0 5	16.00	12.76	9.704	7.029	4.673	2.584	0.7256	-0.9322	-2.042	-2.742
	-3.402	-3.869	-4.172	-4.465	-4.750	-5.027	-5.295	-5.555	-5.807	-6.051
	-6.286	-6.514	-6.733	-6.945	-7.148	-7.343	-7.530	-7.709	-7.879	-8.041
	-8.193	-8.337	-8.472	-8.598	-8.714	-8.821	-8.917	-9.003	-9.079	-9.143
	-9.197	-9.259	-9.294	-9.276	-9.202	-9.069	-8.871	-8.471	-7.632	-6.443
	-4.854	-2.816	-0.4821	1.997						
0 6	16.00	12.78	9.740	7.073	4.719	2.630	0.7685	-0.8924	-2.005	-2.706
	-3.368	-3.836	-4.140	-4.434	-4.720	-4.997	-5.266	-5.527	-5.779	-6.023
	-6.260	-6.488	-6.708	-6.920	-7.124	-7.320	-7.508	-7.687	-7.858	-8.020
	-8.174	-8.319	-8.455	-8.581	-8.698	-8.806	-8.903	-8.990	-9.067	-9.132
	-9.187	-9.251	-9.288	-9.273	-9.203	-9.072	-8.878	-8.483	-7.652	-6.470
	-4.883	-2.839	-0.4942	1.997						
0 7	16.00	12.81	9.791	7.130	4.776	2.682	0.8171	-0.8478	-1.964	-2.666
	-3.330	-3.800	-4.104	-4.399	-4.686	-4.964	-5.234	-5.495	-5.748	-5.993
	-6.230	-6.459	-6.679	-6.892	-7.097	-7.293	-7.482	-7.662	-7.834	-7.997
	-8.151	-8.297	-8.434	-8.561	-8.679	-8.788	-8.886	-8.974	-9.052	-9.118
	-9.174	-9.240	-9.280	-9.267	-9.200	-9.073	-8.882	-8.492	-7.668	-6.492
	-4.906	-2.858	-0.5044	1.997						
0 8	16.00	12.84	9.854	7.198	4.839	2.740	0.8701	-0.7993	-1.918	-2.623

	-3.289	-3.760	-4.065	-4.361	-4.649	-4.927	-5.198	-5.460	-5.714	-5.959
	-6.197	-6.426	-6.648	-6.861	-7.067	-7.264	-7.453	-7.634	-7.806	-7.970
	-8.126	-8.272	-8.410	-8.538	-8.657	-8.766	-8.865	-8.955	-9.033	-9.101
	-9.158	-9.225	-9.267	-9.258	-9.193	-9.069	-8.881	-8.497	-7.679	-6.507
	-4.924	-2.872	-0.5124	1.997						
0 9	16.00	12.88	9.926	7.272	4.907	2.801	0.9260	-0.7476	-1.869	-2.576
	-3.244	-3.717	-4.023	-4.320	-4.608	-4.888	-5.159	-5.422	-5.676	-5.923
	-6.161	-6.391	-6.613	-6.827	-7.033	-7.231	-7.421	-7.602	-7.776	-7.940
	-8.096	-8.244	-8.382	-8.511	-8.631	-8.741	-8.841	-8.931	-9.011	-9.080
	-9.137	-9.207	-9.251	-9.244	-9.182	-9.061	-8.876	-8.497	-7.685	-6.517
	-4.934	-2.882	-0.5182	1.997						
0 10	15.99	12.92	9.997	7.345	4.974	2.863	0.9831	-0.6937	-1.818	-2.527
	-3.197	-3.671	-3.978	-4.276	-4.565	-4.845	-5.117	-5.381	-5.636	-5.883
	-6.122	-6.353	-6.575	-6.790	-6.997	-7.195	-7.385	-7.568	-7.741	-7.907
	-8.064	-8.212	-8.351	-8.481	-8.601	-8.712	-8.813	-8.904	-8.985	-9.054
	-9.113	-9.184	-9.230	-9.226	-9.166	-9.048	-8.866	-8.490	-7.683	-6.520
	-4.940	-2.887	-0.5216	1.994						
0 11	16.00	12.95	10.04	7.395	5.021	2.906	1.026	-0.6524	-1.778	-2.488
	-3.159	-3.635	-3.942	-4.241	-4.531	-4.812	-5.084	-5.348	-5.604	-5.851
	-6.091	-6.322	-6.545	-6.760	-6.967	-7.166	-7.357	-7.539	-7.713	-7.879
	-8.036	-8.185	-8.325	-8.455	-8.576	-8.687	-8.789	-8.880	-8.962	-9.032
	-9.091	-9.163	-9.211	-9.208	-9.150	-9.033	-8.853	-8.480	-7.677	-6.517
	-4.939	-2.887	-0.5218	1.997						
0 12	16.00	12.97	10.07	7.426	5.050	2.934	1.054	-0.6246	-1.751	-2.462
	-3.134	-3.610	-3.918	-4.217	-4.507	-4.789	-5.062	-5.326	-5.582	-5.830
	-6.069	-6.301	-6.524	-6.739	-6.947	-7.146	-7.337	-7.519	-7.694	-7.860
	-8.018	-8.166	-8.306	-8.437	-8.558	-8.670	-8.772	-8.864	-8.945	-9.016
	-9.075	-9.148	-9.197	-9.195	-9.138	-9.022	-8.843	-8.472	-7.671	-6.513
	-4.936	-2.886	-0.5214	1.997						
0 13	16.00	12.98	10.10	7.454	5.077	2.961	1.081	-0.5967	-1.724	-2.435
	-3.108	-3.585	-3.893	-4.193	-4.483	-4.765	-5.038	-5.303	-5.559	-5.807
	-6.047	-6.279	-6.502	-6.718	-6.925	-7.125	-7.316	-7.499	-7.674	-7.840
	-7.998	-8.147	-8.287	-8.418	-8.539	-8.651	-8.753	-8.846	-8.927	-8.998
	-9.058	-9.131	-9.181	-9.180	-9.124	-9.010	-8.832	-8.462	-7.664	-6.508
	-4.933	-2.884	-0.5203	1.997						
0 14	16.00	12.99	10.12	7.479	5.101	2.985	1.108	-0.5686	-1.696	-2.408
	-3.082	-3.559	-3.868	-4.168	-4.459	-4.741	-5.014	-5.279	-5.536	-5.784
	-6.024	-6.256	-6.480	-6.696	-6.904	-7.103	-7.295	-7.478	-7.653	-7.819
	-7.977	-8.126	-8.266	-8.398	-8.519	-8.632	-8.734	-8.826	-8.908	-8.980
	-9.040	-9.114	-9.164	-9.164	-9.109	-8.995	-8.818	-8.450	-7.654	-6.500
	-4.928	-2.881	-0.5186	1.997						
0 15	16.00	13.00	10.14	7.499	5.122	3.008	1.134	-0.5404	-1.668	-2.381
	-3.055	-3.532	-3.842	-4.142	-4.433	-4.716	-4.990	-5.255	-5.512	-5.760
	-6.001	-6.233	-6.457	-6.673	-6.881	-7.081	-7.273	-7.456	-7.631	-7.797
	-7.955	-8.105	-8.245	-8.376	-8.498	-8.611	-8.713	-8.806	-8.888	-8.960
	-9.021	-9.095	-9.146	-9.146	-9.092	-8.979	-8.803	-8.437	-7.643	-6.491
	-4.921	-2.876	-0.5163	1.997						
0 16	16.00	13.01	10.15	7.516	5.140	3.028	1.160	-0.5118	-1.640	-2.353
	-3.028	-3.506	-3.815	-4.116	-4.408	-4.690	-4.965	-5.230	-5.487	-5.736
	-5.977	-6.209	-6.434	-6.650	-6.858	-7.058	-7.250	-7.433	-7.608	-7.775
	-7.933	-8.082	-8.223	-8.354	-8.476	-8.589	-8.692	-8.785	-8.867	-8.939
	-9.000	-9.074	-9.126	-9.127	-9.074	-8.962	-8.787	-8.421	-7.629	-6.480
	-4.913	-2.870	-0.5133	1.997						
0 17	16.00	13.02	10.16	7.528	5.154	3.045	1.184	-0.4830	-1.611	-2.325
	-3.000	-3.479	-3.788	-4.089	-4.381	-4.665	-4.939	-5.205	-5.462	-5.711
	-5.952	-6.185	-6.410	-6.626	-6.835	-7.035	-7.226	-7.409	-7.584	-7.751
	-7.909	-8.059	-8.200	-8.331	-8.453	-8.566	-8.669	-8.762	-8.845	-8.917
	-8.978	-9.053	-9.105	-9.107	-9.054	-8.943	-8.768	-8.404	-7.614	-6.467
	-4.903	-2.863	-0.5097	1.997						
0 18	16.00	13.02	10.17	7.535	5.163	3.059	1.208	-0.4539	-1.582	-2.296
	-2.973	-3.451	-3.761	-4.062	-4.355	-4.638	-4.913	-5.179	-5.436	-5.685
	-5.926	-6.160	-6.385	-6.602	-6.810	-7.010	-7.202	-7.385	-7.560	-7.727
	-7.885	-8.035	-8.175	-8.307	-8.429	-8.542	-8.645	-8.738	-8.821	-8.893
	-8.955	-9.030	-9.083	-9.085	-9.033	-8.922	-8.748	-8.385	-7.596	-6.452
	-4.891	-2.855	-0.5053	1.997						
0 19	16.00	13.02	10.17	7.538	5.169	3.069	1.231	-0.4249	-1.552	-2.268
	-2.945	-3.424	-3.734	-4.035	-4.328	-4.611	-4.886	-5.152	-5.410	-5.659
	-5.900	-6.134	-6.359	-6.576	-6.785	-6.985	-7.177	-7.360	-7.535	-7.702
	-7.860	-8.010	-8.150	-8.282	-8.404	-8.517	-8.620	-8.713	-8.796	-8.869
	-8.930	-9.006	-9.059	-9.061	-9.010	-8.899	-8.726	-8.364	-7.577	-6.435
	-4.877	-2.845	-0.5002	1.997						
0 20	16.00	13.02	10.17	7.537	5.170	3.075	1.251	-0.3977	-1.523	-2.239

	-2.918	-3.397	-3.707	-4.008	-4.300	-4.584	-4.858	-5.125	-5.382	-5.632
	-5.874	-6.107	-6.333	-6.550	-6.759	-6.959	-7.151	-7.334	-7.509	-7.676
	-7.834	-7.983	-8.124	-8.256	-8.378	-8.491	-8.594	-8.687	-8.770	-8.843
	-8.904	-8.980	-9.034	-9.037	-8.985	-8.875	-8.702	-8.341	-7.555	-6.415
	-4.861	-2.834	-0.4945	1.997						
0 21	16.00	13.02	10.16	7.531	5.167	3.076	1.264	-0.3771	-1.494	-2.212
	-2.891	-3.370	-3.680	-3.981	-4.273	-4.556	-4.831	-5.097	-5.355	-5.605
	-5.846	-6.080	-6.306	-6.523	-6.732	-6.932	-7.124	-7.307	-7.482	-7.649
	-7.807	-7.957	-8.097	-8.229	-8.351	-8.464	-8.567	-8.660	-8.743	-8.816
	-8.878	-8.953	-9.007	-9.010	-8.959	-8.849	-8.677	-8.316	-7.532	-6.394
	-4.843	-2.821	-0.4880	1.997						
0 22	16.00	13.01	10.15	7.520	5.159	3.072	1.256	-0.3772	-1.470	-2.186
	-2.866	-3.345	-3.655	-3.955	-4.247	-4.529	-4.804	-5.069	-5.327	-5.577
	-5.819	-6.052	-6.278	-6.495	-6.704	-6.904	-7.096	-7.280	-7.455	-7.621
	-7.779	-7.929	-8.069	-8.201	-8.323	-8.435	-8.539	-8.632	-8.715	-8.788
	-8.849	-8.925	-8.979	-8.982	-8.931	-8.822	-8.649	-8.289	-7.506	-6.370
	-4.823	-2.807	-0.4808	1.997						
0 23	15.99	13.00	10.13	7.506	5.148	3.062	1.241	-0.3864	-1.457	-2.165
	-2.845	-3.323	-3.632	-3.931	-4.222	-4.505	-4.778	-5.043	-5.301	-5.550
	-5.792	-6.025	-6.251	-6.468	-6.676	-6.877	-7.069	-7.252	-7.427	-7.593
	-7.751	-7.900	-8.040	-8.172	-8.294	-8.406	-8.509	-8.603	-8.686	-8.758
	-8.820	-8.896	-8.950	-8.953	-8.902	-8.792	-8.620	-8.260	-7.478	-6.345
	-4.801	-2.791	-0.4729	1.994						
0 24	16.00	12.99	10.12	7.492	5.136	3.052	1.227	-0.3976	-1.462	-2.156
	-2.834	-3.311	-3.619	-3.919	-4.209	-4.491	-4.764	-5.028	-5.285	-5.534
	-5.775	-6.007	-6.232	-6.449	-6.657	-6.857	-7.048	-7.231	-7.406	-7.572
	-7.730	-7.879	-8.019	-8.150	-8.272	-8.384	-8.487	-8.580	-8.663	-8.735
	-8.797	-8.873	-8.927	-8.930	-8.879	-8.769	-8.597	-8.237	-7.456	-6.324
	-4.783	-2.778	-0.4664	1.997						
0 25	16.00	12.99	10.11	7.482	5.128	3.045	1.218	-0.4062	-1.469	-2.153
	-2.830	-3.307	-3.615	-3.914	-4.204	-4.485	-4.758	-5.022	-5.278	-5.526
	-5.766	-5.998	-6.221	-6.438	-6.645	-6.844	-7.036	-7.218	-7.392	-7.558
	-7.716	-7.864	-8.004	-8.135	-8.257	-8.369	-8.472	-8.565	-8.648	-8.720
	-8.782	-8.857	-8.911	-8.914	-8.863	-8.753	-8.581	-8.222	-7.440	-6.310
	-4.771	-2.769	-0.4619	1.997						
0 26	16.00	12.98	10.10	7.471	5.119	3.037	1.208	-0.4158	-1.480	-2.158
	-2.831	-3.309	-3.617	-3.916	-4.206	-4.486	-4.758	-5.022	-5.277	-5.524
	-5.761	-5.991	-6.214	-6.429	-6.635	-6.833	-7.024	-7.206	-7.380	-7.545
	-7.702	-7.850	-7.990	-8.121	-8.242	-8.354	-8.457	-8.549	-8.632	-8.705
	-8.766	-8.841	-8.895	-8.898	-8.847	-8.737	-8.565	-8.206	-7.424	-6.295
	-4.758	-2.760	-0.4572	1.997						
0 27	16.00	12.97	10.09	7.459	5.109	3.028	1.197	-0.4260	-1.492	-2.169
	-2.838	-3.315	-3.623	-3.921	-4.211	-4.491	-4.763	-5.026	-5.280	-5.526
	-5.762	-5.991	-6.212	-6.424	-6.629	-6.826	-7.015	-7.196	-7.369	-7.534
	-7.690	-7.837	-7.977	-8.107	-8.228	-8.340	-8.442	-8.534	-8.617	-8.689
	-8.750	-8.825	-8.879	-8.882	-8.831	-8.721	-8.548	-8.189	-7.408	-6.279
	-4.744	-2.750	-0.4523	1.997						
0 28	16.00	12.96	10.07	7.446	5.098	3.018	1.186	-0.4368	-1.506	-2.184
	-2.849	-3.324	-3.632	-3.929	-4.218	-4.498	-4.769	-5.032	-5.285	-5.530
	-5.766	-5.994	-6.214	-6.425	-6.628	-6.824	-7.010	-7.189	-7.361	-7.525
	-7.679	-7.826	-7.965	-8.094	-8.214	-8.326	-8.427	-8.519	-8.602	-8.674
	-8.735	-8.809	-8.863	-8.865	-8.814	-8.704	-8.531	-8.172	-7.391	-6.263
	-4.730	-2.740	-0.4473	1.997						
0 29	16.00	12.96	10.06	7.433	5.087	3.008	1.176	-0.4481	-1.520	-2.199
	-2.862	-3.335	-3.642	-3.939	-4.227	-4.506	-4.777	-5.039	-5.292	-5.536
	-5.772	-5.999	-6.218	-6.429	-6.631	-6.825	-7.011	-7.189	-7.358	-7.519
	-7.672	-7.817	-7.955	-8.083	-8.202	-8.313	-8.414	-8.505	-8.587	-8.659
	-8.719	-8.793	-8.846	-8.849	-8.797	-8.686	-8.514	-8.154	-7.373	-6.246
	-4.716	-2.730	-0.4422	1.997						
0 30	16.00	12.95	10.05	7.419	5.075	2.998	1.165	-0.4596	-1.534	-2.215
	-2.875	-3.347	-3.652	-3.949	-4.237	-4.515	-4.785	-5.047	-5.300	-5.544
	-5.779	-6.006	-6.224	-6.434	-6.636	-6.830	-7.014	-7.191	-7.360	-7.519
	-7.671	-7.815	-7.949	-8.075	-8.193	-8.303	-8.402	-8.493	-8.574	-8.644
	-8.705	-8.778	-8.830	-8.832	-8.780	-8.669	-8.496	-8.137	-7.355	-6.229
	-4.700	-2.719	-0.4369	1.997						
0 31	16.00	12.94	10.03	7.405	5.063	2.987	1.153	-0.4714	-1.549	-2.231
	-2.889	-3.359	-3.664	-3.960	-4.247	-4.525	-4.794	-5.055	-5.308	-5.551
	-5.786	-6.013	-6.231	-6.441	-6.642	-6.835	-7.020	-7.196	-7.364	-7.523
	-7.674	-7.816	-7.949	-8.074	-8.190	-8.296	-8.394	-8.483	-8.563	-8.632
	-8.691	-8.763	-8.814	-8.815	-8.763	-8.651	-8.478	-8.118	-7.336	-6.212
	-4.685	-2.708	-0.4316	1.997						
0 32	16.00	12.93	10.02	7.391	5.050	2.975	1.142	-0.4833	-1.563	-2.247

	-2.903	-3.372	-3.675	-3.971	-4.257	-4.535	-4.804	-5.064	-5.316	-5.559
	-5.794	-6.020	-6.238	-6.448	-6.649	-6.842	-7.026	-7.202	-7.369	-7.528
	-7.678	-7.820	-7.952	-8.076	-8.191	-8.296	-8.392	-8.479	-8.555	-8.623
	-8.680	-8.750	-8.799	-8.799	-8.745	-8.633	-8.460	-8.100	-7.317	-6.194
	-4.668	-2.697	-0.4261	1.997						
0 33	16.00	12.92	10.00	7.376	5.037	2.964	1.130	-0.4953	-1.577	-2.261
	-2.917	-3.384	-3.687	-3.982	-4.267	-4.544	-4.813	-5.073	-5.324	-5.567
	-5.802	-6.028	-6.245	-6.455	-6.656	-6.848	-7.032	-7.208	-7.375	-7.534
	-7.684	-7.825	-7.957	-8.080	-8.194	-8.298	-8.394	-8.479	-8.554	-8.619
	-8.673	-8.740	-8.786	-8.784	-8.729	-8.615	-8.441	-8.081	-7.298	-6.175
	-4.651	-2.685	-0.4205	1.997						
0 34	16.00	12.92	9.988	7.361	5.024	2.952	1.119	-0.5074	-1.591	-2.276
	-2.930	-3.396	-3.699	-3.993	-4.278	-4.554	-4.822	-5.082	-5.333	-5.576
	-5.810	-6.035	-6.253	-6.462	-6.663	-6.855	-7.039	-7.215	-7.382	-7.540
	-7.690	-7.830	-7.962	-8.085	-8.199	-8.302	-8.397	-8.481	-8.555	-8.619
	-8.672	-8.736	-8.776	-8.771	-8.714	-8.598	-8.423	-8.063	-7.278	-6.156
	-4.634	-2.672	-0.4148	1.997						
0 35	16.00	12.91	9.973	7.345	5.010	2.940	1.107	-0.5193	-1.604	-2.290
	-2.943	-3.408	-3.710	-4.003	-4.288	-4.564	-4.832	-5.091	-5.341	-5.584
	-5.818	-6.043	-6.260	-6.469	-6.670	-6.862	-7.046	-7.221	-7.388	-7.546
	-7.696	-7.836	-7.968	-8.091	-8.204	-8.307	-8.401	-8.485	-8.559	-8.622
	-8.674	-8.736	-8.773	-8.761	-8.701	-8.583	-8.407	-8.044	-7.258	-6.137
	-4.616	-2.660	-0.4091	1.997						
0 36	16.00	12.90	9.958	7.330	4.997	2.928	1.095	-0.5313	-1.617	-2.303
	-2.956	-3.420	-3.721	-4.014	-4.298	-4.574	-4.841	-5.100	-5.350	-5.592
	-5.825	-6.051	-6.268	-6.476	-6.677	-6.869	-7.053	-7.228	-7.395	-7.553
	-7.702	-7.843	-7.974	-8.096	-8.209	-8.313	-8.406	-8.490	-8.563	-8.625
	-8.677	-8.738	-8.772	-8.757	-8.691	-8.571	-8.392	-8.026	-7.238	-6.118
	-4.597	-2.647	-0.4034	1.997						
0 37	16.00	12.89	9.943	7.315	4.983	2.916	1.084	-0.5431	-1.630	-2.316
	-2.968	-3.432	-3.733	-4.025	-4.308	-4.583	-4.850	-5.108	-5.358	-5.600
	-5.833	-6.058	-6.275	-6.483	-6.684	-6.876	-7.059	-7.234	-7.401	-7.559
	-7.708	-7.849	-7.980	-8.102	-8.215	-8.318	-8.411	-8.495	-8.567	-8.630
	-8.681	-8.741	-8.774	-8.757	-8.688	-8.565	-8.380	-8.010	-7.220	-6.098
	-4.579	-2.634	-0.3977	1.998						
0 38	16.00	12.88	9.921	7.292	4.963	2.898	1.066	-0.5607	-1.648	-2.335
	-2.986	-3.449	-3.749	-4.040	-4.323	-4.598	-4.864	-5.121	-5.371	-5.612
	-5.845	-6.069	-6.286	-6.494	-6.694	-6.886	-7.069	-7.244	-7.410	-7.568
	-7.717	-7.858	-7.989	-8.111	-8.223	-8.326	-8.419	-8.502	-8.575	-8.636
	-8.687	-8.747	-8.779	-8.760	-8.688	-8.562	-8.372	-7.990	-7.195	-6.070
	-4.551	-2.614	-0.3894	1.997						
0 39	16.00	12.86	9.893	7.263	4.936	2.873	1.043	-0.5835	-1.671	-2.358
	-3.008	-3.470	-3.769	-4.060	-4.342	-4.616	-4.881	-5.138	-5.387	-5.627
	-5.860	-6.084	-6.300	-6.507	-6.707	-6.898	-7.081	-7.256	-7.422	-7.580
	-7.729	-7.869	-8.000	-8.122	-8.234	-8.337	-8.429	-8.512	-8.584	-8.646
	-8.696	-8.755	-8.786	-8.766	-8.693	-8.564	-8.372	-7.984	-7.184	-6.041
	-4.519	-2.587	-0.3788	1.998						
0 40	16.00	12.84	9.854	7.221	4.897	2.838	1.010	-0.6165	-1.705	-2.391
	-3.040	-3.500	-3.799	-4.088	-4.369	-4.642	-4.906	-5.162	-5.410	-5.650
	-5.881	-6.105	-6.320	-6.527	-6.726	-6.917	-7.099	-7.274	-7.439	-7.597
	-7.745	-7.885	-8.015	-8.137	-8.249	-8.351	-8.443	-8.525	-8.597	-8.658
	-8.708	-8.766	-8.796	-8.775	-8.700	-8.569	-8.375	-7.986	-7.179	-6.031
	-4.505	-2.551	-0.3649	1.997						
0 41	16.00	12.81	9.809	7.173	4.852	2.795	0.9691	-0.6565	-1.744	-2.429
	-3.077	-3.536	-3.833	-4.122	-4.402	-4.673	-4.937	-5.192	-5.438	-5.677
	-5.908	-6.130	-6.344	-6.551	-6.749	-6.939	-7.121	-7.294	-7.459	-7.616
	-7.764	-7.903	-8.033	-8.154	-8.265	-8.367	-8.459	-8.540	-8.611	-8.672
	-8.721	-8.778	-8.806	-8.784	-8.708	-8.574	-8.378	-7.986	-7.174	-6.027
	-4.502	-2.553	-0.3549	1.997						
0 42	16.00	12.80	9.779	7.137	4.814	2.758	0.9330	-0.6918	-1.779	-2.463
	-3.110	-3.568	-3.864	-4.152	-4.431	-4.701	-4.964	-5.218	-5.464	-5.701
	-5.931	-6.153	-6.366	-6.572	-6.769	-6.958	-7.140	-7.312	-7.477	-7.633
	-7.780	-7.919	-8.048	-8.168	-8.279	-8.380	-8.471	-8.552	-8.623	-8.683
	-8.731	-8.787	-8.814	-8.789	-8.711	-8.575	-8.378	-7.982	-7.165	-6.016
	-4.493	-2.550	-0.3471	1.997						
0 43	16.00	12.79	9.761	7.114	4.787	2.729	0.9026	-0.7220	-1.808	-2.492
	-3.137	-3.594	-3.890	-4.177	-4.455	-4.725	-4.987	-5.240	-5.485	-5.722
	-5.951	-6.172	-6.385	-6.590	-6.787	-6.975	-7.156	-7.328	-7.492	-7.647
	-7.794	-7.932	-8.061	-8.180	-8.290	-8.391	-8.481	-8.562	-8.632	-8.691
	-8.739	-8.793	-8.818	-8.792	-8.712	-8.574	-8.374	-7.975	-7.152	-6.000
	-4.476	-2.539	-0.3386	1.997						
0 44	16.00	12.79	9.759	7.103	4.769	2.706	0.8782	-0.7469	-1.833	-2.516

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        -3.160      -3.617      -3.912      -4.198      -4.476      -4.745      -5.006      -5.259      -5.504      -5.740
        -5.969      -6.189      -6.401      -6.605      -6.802      -6.990      -7.169      -7.341      -7.504      -7.659
        -7.805      -7.942      -8.071      -8.190      -8.299      -8.399      -8.489      -8.569      -8.638      -8.697
        -8.744      -8.797      -8.821      -8.793      -8.711      -8.570      -8.368      -7.964      -7.135      -5.978
        -4.452      -2.522     -0.3287       1.997
0 45     16.00       12.79       9.768       7.103       4.759       2.691      0.8597     -0.7664      -1.852      -2.535
        -3.179      -3.634      -3.929      -4.215      -4.492      -4.761      -5.022      -5.274      -5.518      -5.754
        -5.982      -6.202      -6.414      -6.618      -6.813      -7.001      -7.180      -7.352      -7.514      -7.669
        -7.814      -7.951      -8.079      -8.197      -8.306      -8.406      -8.495      -8.574      -8.643      -8.701
        -8.747      -8.800      -8.822      -8.793      -8.709      -8.566      -8.361      -7.953      -7.118      -5.953
        -4.424      -2.502     -0.3180       1.997
0 46     16.00       12.80       9.787       7.111       4.757       2.681      0.8467     -0.7807      -1.866      -2.549
        -3.192      -3.648      -3.942      -4.228      -4.505      -4.773      -5.034      -5.286      -5.529      -5.765
        -5.993      -6.212      -6.424      -6.627      -6.823      -7.010      -7.189      -7.359      -7.522      -7.676
        -7.821      -7.957      -8.084      -8.203      -8.311      -8.410      -8.499      -8.578      -8.646      -8.703
        -8.750      -8.801      -8.822      -8.792      -8.706      -8.561      -8.354      -7.943      -7.101      -5.928
        -4.394      -2.481     -0.3076       1.999
0 47     16.00       12.82       9.816       7.126       4.758       2.674      0.8345     -0.7946      -1.880      -2.563
        -3.206      -3.661      -3.955      -4.240      -4.517      -4.785      -5.045      -5.297      -5.540      -5.776
        -6.003      -6.222      -6.433      -6.637      -6.832      -7.018      -7.197      -7.367      -7.529      -7.683
        -7.828      -7.963      -8.090      -8.208      -8.316      -8.415      -8.503      -8.581      -8.649      -8.706
        -8.751      -8.802      -8.822      -8.790      -8.702      -8.556      -8.346      -7.931      -7.081      -5.899
        -4.356      -2.456     -0.2953       1.997
0HEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  2, STRESS PERIOD  3
0


          TIME SUMMARY AT END OF TIME STEP  2 IN STRESS PERIOD  3
                                 SECONDS        MINUTES         HOURS           DAYS            YEARS
                              ---------------------------------------------------------------------------
      TIME STEP LENGTH         0.259200E+07    43200.0        720.000         30.0000        0.821355E-01
    STRESS PERIOD TIME         0.518400E+07    86400.0        1440.00         60.0000        0.164271
 TOTAL SIMULATION TIME         0.285120E+08    475200.        7920.00         330.000        0.903491
1
    26 ITERATIONS FOR TIME STEP   3 IN STRESS PERIOD  3
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,CO
 ---------------------------------------------------------------------------------------------------------------------------------
    4.573     (  1, 18, 51) 0.5533     (  2,  2, 50)  1.002     (  2,  6, 48)  1.590     (  2, 31, 46)  1.611     (  2, 24, 32
   0.5723E-01 (  2,  1, 49) 0.7458E-01 (  2,  2, 49) 0.1121     (  2,  3, 48) 0.1095     (  2, 30, 26) 0.1223     (  2, 18, 37
  -0.1200E-01 (  1, 10, 42) -0.1301E-01 (  2,  7, 46) -0.2256E-01 (  2,  7, 46) -0.3945E-01 (  2, 23, 33) -0.1770E-01 (  2, 24, 12
  -0.2497E-02 (  2, 10, 11) -0.4655E-02 (  2, 12, 13) 0.6971E-02 (  2, 18, 37) -0.1137E-01 (  2, 16, 18) 0.8458E-02 (  2, 24, 25
  -0.1527E-02 (  1, 22, 27) 0.1344E-02 (  2, 17, 18) 0.3355E-02 (  2, 16, 17) -0.3019E-02 (  2, 24, 24) -0.4149E-02 (  2, 15, 17
   0.6798E-03 (  2, 10, 11)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
1                    HEAD IN LAYER  1 AT END OF TIME STEP  3 IN STRESS PERIOD  3
            ---------------------------------------------------------------------

            1           2           3           4           5           6           7           8           9          10
           11          12          13          14          15          16          17          18          19          20
           21          22          23          24          25          26          27          28          29          30
           31          32          33          34          35          36          37          38          39          40
           41          42          43          44          45          46          47          48          49          50
           51          52          53          54
 ---------------------------------------------------------------------------------------------------------------------------------
0  1     15.98       12.08       8.488       5.904       3.846       2.083      0.5210     -0.8852      -1.841      -2.450
        -3.030      -3.444      -3.714      -3.978      -4.236      -4.487      -4.732      -4.971      -5.203      -5.430
        -5.650      -5.865      -6.073      -6.275      -6.471      -6.661      -6.844      -7.021      -7.191      -7.355
        -7.512      -7.662      -7.804      -7.940      -8.068      -8.188      -8.301      -8.405      -8.501      -8.588
        -8.666      -8.770      -8.869      -8.926      -8.937      -8.899      -8.807      -8.581      -8.009      -7.090
        -5.673      -3.426     -0.7828       1.989
0  2     15.96       11.87       7.923       5.656       3.771       2.075      0.5371     -0.8621      -1.817      -2.426
        -3.007      -3.422      -3.693      -3.958      -4.216      -4.467      -4.713      -4.952      -5.186      -5.413
        -5.634      -5.849      -6.058      -6.261      -6.457      -6.648      -6.832      -7.009      -7.180      -7.345
        -7.502      -7.653      -7.797      -7.933      -8.062      -8.183      -8.297      -8.402      -8.499      -8.588
        -8.668      -8.774      -8.876      -8.938      -8.955      -8.925      -8.843      -8.638      -8.120      -7.323
        -6.144      -3.637     -0.8613       1.979
0  3     15.98       11.78       7.759       5.564       3.755       2.098      0.5742     -0.8228      -1.780      -2.390
        -2.973      -3.390      -3.662      -3.927      -4.186      -4.438      -4.685      -4.925      -5.160      -5.388
        -5.610      -5.826      -6.036      -6.239      -6.437      -6.628      -6.813      -6.991      -7.163      -7.329
```

	-7.488	-7.639	-7.784	-7.922	-8.052	-8.175	-8.290	-8.397	-8.496	-8.586
	-8.668	-8.777	-8.884	-8.952	-8.977	-8.955	-8.884	-8.700	-8.225	-7.489
	-6.348	-3.785	-0.9280	1.989						
0 4	15.98	11.74	7.603	5.527	3.769	2.130	0.6099	-0.7884	-1.748	-2.360
	-2.945	-3.363	-3.635	-3.902	-4.161	-4.415	-4.662	-4.903	-5.138	-5.367
	-5.590	-5.806	-6.017	-6.221	-6.420	-6.612	-6.797	-6.976	-7.149	-7.315
	-7.475	-7.628	-7.773	-7.912	-8.043	-8.167	-8.283	-8.391	-8.491	-8.583
	-8.666	-8.778	-8.889	-8.961	-8.991	-8.976	-8.913	-8.743	-8.297	-7.609
	-6.571	-3.889	-0.9725	1.988						
0 5	15.98	11.75	7.633	5.559	3.816	2.180	0.6577	-0.7456	-1.709	-2.324
	-2.911	-3.331	-3.604	-3.871	-4.132	-4.387	-4.635	-4.877	-5.113	-5.342
	-5.566	-5.783	-5.995	-6.200	-6.399	-6.592	-6.778	-6.958	-7.132	-7.299
	-7.460	-7.613	-7.760	-7.899	-8.032	-8.157	-8.274	-8.384	-8.485	-8.578
	-8.663	-8.777	-8.893	-8.969	-9.004	-8.996	-8.940	-8.784	-8.362	-7.702
	-6.654	-3.970	-1.012	1.988						
0 6	15.98	11.79	7.670	5.644	3.898	2.251	0.7177	-0.6947	-1.664	-2.282
	-2.872	-3.294	-3.569	-3.837	-4.099	-4.354	-4.603	-4.846	-5.083	-5.314
	-5.538	-5.757	-5.969	-6.175	-6.375	-6.568	-6.756	-6.937	-7.112	-7.280
	-7.441	-7.596	-7.743	-7.884	-8.018	-8.144	-8.262	-8.373	-8.476	-8.571
	-8.657	-8.774	-8.893	-8.975	-9.015	-9.013	-8.964	-8.820	-8.419	-7.789
	-6.806	-4.044	-1.047	1.988						
0 7	15.98	11.89	7.909	5.811	4.018	2.341	0.7888	-0.6365	-1.612	-2.235
	-2.828	-3.252	-3.529	-3.799	-4.062	-4.318	-4.569	-4.813	-5.050	-5.282
	-5.507	-5.727	-5.940	-6.147	-6.347	-6.542	-6.730	-6.912	-7.088	-7.257
	-7.419	-7.575	-7.724	-7.866	-8.000	-8.128	-8.248	-8.360	-8.464	-8.561
	-8.648	-8.768	-8.891	-8.977	-9.022	-9.025	-8.984	-8.850	-8.466	-7.846
	-6.824	-4.093	-1.074	1.988						
0 8	15.98	12.04	8.182	6.031	4.167	2.447	0.8687	-0.5725	-1.556	-2.183
	-2.781	-3.207	-3.485	-3.757	-4.021	-4.279	-4.530	-4.775	-5.014	-5.247
	-5.473	-5.693	-5.907	-6.115	-6.317	-6.512	-6.701	-6.884	-7.061	-7.231
	-7.394	-7.551	-7.701	-7.844	-7.980	-8.108	-8.229	-8.343	-8.449	-8.546
	-8.636	-8.758	-8.885	-8.974	-9.025	-9.033	-8.997	-8.873	-8.501	-7.897
	-6.927	-4.136	-1.095	1.988						
0 9	15.98	12.23	8.659	6.314	4.338	2.562	0.9539	-0.5045	-1.497	-2.129
	-2.730	-3.159	-3.439	-3.711	-3.977	-4.236	-4.489	-4.735	-4.975	-5.208
	-5.436	-5.657	-5.872	-6.080	-6.283	-6.479	-6.669	-6.853	-7.030	-7.201
	-7.366	-7.523	-7.674	-7.818	-7.955	-8.085	-8.207	-8.322	-8.429	-8.528
	-8.619	-8.743	-8.873	-8.967	-9.021	-9.034	-9.003	-8.886	-8.525	-7.921
	-6.899	-4.157	-1.110	1.988						
0 10	15.97	12.42	9.088	6.593	4.510	2.677	1.040	-0.4346	-1.435	-2.071
	-2.677	-3.109	-3.390	-3.664	-3.931	-4.191	-4.445	-4.692	-4.933	-5.167
	-5.396	-5.617	-5.833	-6.043	-6.246	-6.443	-6.634	-6.818	-6.997	-7.168
	-7.334	-7.492	-7.644	-7.789	-7.927	-8.057	-8.181	-8.297	-8.405	-8.505
	-8.597	-8.723	-8.856	-8.953	-9.011	-9.028	-9.001	-8.891	-8.538	-7.943
	-6.962	-4.177	-1.120	1.977						
0 11	15.98	12.54	9.327	6.770	4.626	2.758	1.103	-0.3822	-1.388	-2.027
	-2.636	-3.069	-3.352	-3.627	-3.895	-4.156	-4.411	-4.658	-4.899	-5.134
	-5.363	-5.586	-5.802	-6.012	-6.216	-6.414	-6.605	-6.790	-6.969	-7.141
	-7.307	-7.466	-7.618	-7.764	-7.902	-8.034	-8.158	-8.274	-8.383	-8.484
	-8.577	-8.704	-8.840	-8.938	-8.999	-9.018	-8.993	-8.887	-8.539	-7.944
	-6.922	-4.180	-1.123	1.987						
0 12	15.98	12.61	9.459	6.873	4.696	2.809	1.144	-0.3473	-1.356	-1.998
	-2.608	-3.043	-3.326	-3.602	-3.871	-4.132	-4.387	-4.635	-4.876	-5.111
	-5.340	-5.564	-5.781	-5.992	-6.196	-6.394	-6.585	-6.770	-6.949	-7.122
	-7.288	-7.447	-7.600	-7.746	-7.885	-8.017	-8.141	-8.258	-8.367	-8.469
	-8.562	-8.690	-8.827	-8.927	-8.989	-9.009	-8.986	-8.882	-8.537	-7.944
	-6.916	-4.181	-1.125	1.988						
0 13	15.98	12.67	9.567	6.962	4.759	2.855	1.183	-0.3123	-1.325	-1.968
	-2.580	-3.016	-3.300	-3.577	-3.847	-4.110	-4.364	-4.611	-4.850	-5.086
	-5.316	-5.539	-5.758	-5.970	-6.176	-6.373	-6.564	-6.749	-6.928	-7.101
	-7.268	-7.428	-7.581	-7.727	-7.866	-7.998	-8.123	-8.241	-8.350	-8.452
	-8.546	-8.675	-8.812	-8.914	-8.977	-8.999	-8.977	-8.875	-8.533	-7.944
	-6.936	-4.184	-1.125	1.988						
0 14	15.98	12.72	9.653	7.036	4.814	2.897	1.222	-0.2761	-1.292	-1.938
	-2.551	-2.988	-3.274	-3.553	-3.827	-4.091	-4.344	-4.586	-4.817	-5.054
	-5.285	-5.509	-5.734	-5.950	-6.158	-6.353	-6.541	-6.724	-6.904	-7.079
	-7.247	-7.407	-7.561	-7.707	-7.847	-7.979	-8.104	-8.222	-8.332	-8.434
	-8.529	-8.658	-8.797	-8.899	-8.963	-8.986	-8.965	-8.866	-8.527	-7.943
	-6.959	-4.185	-1.125	1.988						
0 15	15.98	12.76	9.718	7.095	4.859	2.935	1.265	-0.2350	-1.258	-1.907
	-2.522	-2.961	-3.247	-3.531	-3.819	-4.088	-4.335	-4.568	-4.772	-5.005
	-5.243	-5.461	-5.706	-5.935	-6.151	-6.335	-6.515	-6.691	-6.875	-7.054

	-7.224	-7.385	-7.539	-7.686	-7.826	-7.959	-8.084	-8.202	-8.312	-8.415
	-8.510	-8.640	-8.779	-8.882	-8.947	-8.971	-8.952	-8.854	-8.517	-7.937
	-6.949	-4.183	-1.124	1.988						
0 16	15.98	12.78	9.766	7.139	4.894	2.968	1.320	-0.1792	-1.217	-1.873
	-2.492	-2.932	-3.220	-3.505	-3.799	-4.075	-4.319	-4.553	-4.768	-4.987
	-5.196	-5.368	-5.651	-5.940	-6.183	-6.326	-6.487	-6.643	-6.831	-7.026
	-7.200	-7.362	-7.517	-7.664	-7.804	-7.937	-8.063	-8.181	-8.292	-8.394
	-8.489	-8.620	-8.760	-8.864	-8.929	-8.954	-8.936	-8.839	-8.505	-7.928
	-6.937	-4.179	-1.122	1.988						
0 17	15.98	12.80	9.796	7.168	4.920	3.000	1.416	-8.1795E-02	-1.159	-1.833
	-2.460	-2.901	-3.189	-3.473	-3.769	-4.068	-4.304	-4.527	-4.748	-4.965
	-5.167	-5.333	-5.619	-5.923	-6.172	-6.308	-6.464	-6.615	-6.801	-6.999
	-7.175	-7.339	-7.493	-7.641	-7.781	-7.914	-8.040	-8.158	-8.269	-8.372
	-8.468	-8.599	-8.739	-8.843	-8.910	-8.935	-8.918	-8.822	-8.490	-7.917
	-6.942	-4.174	-1.118	1.988						
0 18	15.98	12.81	9.809	7.183	4.935	3.033	1.622	0.1305	-1.057	-1.777
	-2.421	-2.865	-3.152	-3.425	-3.664	-3.993	-4.323	-4.509	-4.724	-4.939
	-5.137	-5.312	-5.600	-5.912	-6.143	-6.280	-6.437	-6.588	-6.774	-6.973
	-7.150	-7.314	-7.469	-7.616	-7.757	-7.890	-8.016	-8.134	-8.246	-8.349
	-8.444	-8.576	-8.716	-8.821	-8.888	-8.914	-8.897	-8.803	-8.473	-7.903
	-6.945	-4.166	-1.114	1.988						
0 19	15.98	12.81	9.806	7.183	4.941	3.076	2.129	0.6519	-0.8417	-1.683
	-2.367	-2.817	-3.105	-3.382	-3.649	-3.921	-4.211	-4.449	-4.679	-4.895
	-5.067	-5.380	-5.633	-5.955	-6.088	-6.242	-6.404	-6.558	-6.746	-6.946
	-7.123	-7.287	-7.442	-7.590	-7.731	-7.864	-7.990	-8.109	-8.220	-8.324
	-8.420	-8.551	-8.692	-8.797	-8.864	-8.891	-8.874	-8.781	-8.452	-7.883
	-6.915	-4.155	-1.108	1.988						
0 20	15.98	12.79	9.786	7.168	4.936	3.135	3.414	1.980	-0.3427	-1.499
	-2.275	-2.736	-3.026	-3.305	-3.577	-3.845	-4.109	-4.359	-4.597	-4.818
	-4.991	-5.354	-5.608	-5.915	-6.038	-6.198	-6.366	-6.523	-6.713	-6.914
	-7.091	-7.256	-7.412	-7.561	-7.702	-7.836	-7.962	-8.081	-8.193	-8.297
	-8.393	-8.525	-8.666	-8.772	-8.839	-8.866	-8.849	-8.756	-8.427	-7.860
	-6.884	-4.140	-1.101	1.988						
0 21	15.98	12.77	9.749	7.138	4.919	3.193	6.614	5.302	0.8359	-1.117
	-2.094	-2.565	-2.855	-3.134	-3.406	-3.672	-3.933	-4.187	-4.434	-4.672
	-4.869	-5.292	-5.550	-5.825	-5.963	-6.137	-6.316	-6.481	-6.671	-6.871
	-7.049	-7.216	-7.374	-7.524	-7.667	-7.802	-7.930	-8.050	-8.162	-8.267
	-8.363	-8.496	-8.638	-8.744	-8.811	-8.838	-8.821	-8.728	-8.400	-7.834
	-6.869	-4.124	-1.093	1.988						
0 22	15.98	12.74	9.694	7.093	4.890	3.112	3.413	2.198	3.540	-0.3302
	-1.705	-2.156	-2.434	-2.709	-2.980	-3.246	-3.508	-3.766	-4.030	-4.312
	-4.613	-4.861	-5.157	-5.532	-5.775	-5.993	-6.206	-6.404	-6.598	-6.793
	-6.977	-7.150	-7.315	-7.470	-7.617	-7.756	-7.887	-8.009	-8.124	-8.231
	-8.328	-8.463	-8.606	-8.713	-8.781	-8.808	-8.791	-8.698	-8.370	-7.805
	-6.853	-4.105	-1.083	1.987						
0 23	15.97	12.70	9.619	7.032	4.849	3.030	2.119	1.005	5.756	1.196
	-0.8368	-1.109	-1.346	-1.612	-1.880	-2.145	-2.406	-2.668	-2.953	-3.320
	-3.865	-4.245	-4.599	-5.014	-5.332	-5.613	-5.900	-6.150	-6.381	-6.609
	-6.817	-7.010	-7.195	-7.365	-7.524	-7.675	-7.814	-7.944	-8.066	-8.178
	-8.281	-8.420	-8.568	-8.677	-8.747	-8.774	-8.758	-8.665	-8.336	-7.771
	-6.805	-4.083	-1.073	1.979						
0 24	15.98	12.66	9.546	6.976	4.812	2.981	1.720	0.5771	4.802	3.899
	0.6304	0.9612	0.7728	0.5113	0.2466	-1.1813E-02	-0.2648	-0.5184	-0.8007	-1.251
	-2.450	-2.941	-3.379	-4.096	-4.515	-4.876	-5.328	-5.656	-5.945	-6.259
	-6.517	-6.747	-6.979	-7.180	-7.363	-7.539	-7.698	-7.843	-7.981	-8.106
	-8.218	-8.367	-8.526	-8.643	-8.716	-8.744	-8.729	-8.637	-8.308	-7.742
	-6.769	-4.064	-1.063	1.987						
0 25	15.98	12.63	9.492	6.935	4.785	2.952	1.551	0.3602	2.840	6.981
	2.059	3.257	3.042	2.773	2.513	2.264	2.022	1.783	1.531	1.121
	-1.045	-1.502	-1.963	-3.136	-3.613	-4.028	-4.708	-5.103	-5.442	-5.872
	-6.180	-6.448	-6.739	-6.975	-7.183	-7.392	-7.572	-7.734	-7.891	-8.031
	-8.156	-8.317	-8.488	-8.613	-8.691	-8.721	-8.708	-8.618	-8.288	-7.722
	-6.749	-4.051	-1.057	1.988						
0 26	15.98	12.60	9.431	6.890	4.756	2.925	1.442	0.1990	1.582	6.860
	4.049	1.276	0.7823	0.4668	0.1913	-6.8596E-02	-0.3184	-0.5574	-0.7699	-0.8151
	0.8746	0.8211	0.4532	-1.703	-2.142	-2.581	-3.733	-4.188	-4.582	-5.244
	-5.619	-5.938	-6.347	-6.633	-6.880	-7.150	-7.365	-7.554	-7.746	-7.913
	-8.059	-8.240	-8.434	-8.574	-8.660	-8.693	-8.683	-8.596	-8.266	-7.702
	-6.734	-4.038	-1.050	1.988						
0 27	15.98	12.57	9.364	6.842	4.726	2.900	1.369	7.9326E-02	0.6635	3.425
	1.608	-0.1462	-0.6622	-0.9967	-1.281	-1.545	-1.798	-2.035	-2.229	-2.246
	-1.543	-1.522	-1.499	0.2476	0.2183	-0.1291	-2.282	-2.700	-3.121	-4.260

	-4.696	-5.071	-5.714	-6.069	-6.367	-6.756	-7.022	-7.251	-7.509	-7.721
	-7.906	-8.117	-8.351	-8.518	-8.618	-8.657	-8.652	-8.571	-8.242	-7.680
	-6.720	-4.024	-1.043	1.988						
0 28	15.98	12.53	.9.291	6.790	4.694	2.875	1.318	-9.7485E-03	2.2633E-02	1.310
	5.9239E-02	-1.113	-1.579	-1.911	-2.197	-2.463	-2.716	-2.952	-3.147	-3.216
	-2.979	-2.989	-2.937	-2.190	-2.143	-2.096	-0.3069	-0.3143	-0.6433	-2.795
	-3.195	-3.597	-4.723	-5.140	-5.495	-6.120	-6.455	-6.738	-7.122	-7.404
	-7.657	-7.916	-8.219	-8.432	-8.558	-8.605	-8.611	-8.542	-8.213	-7.656
	-6.705	-4.009	-1.036	1.988						
0 29	15.98	12.49	9.211	6.736	4.660	2.851	1.280	-7.6467E-02	-0.4107	3.4545E-02
	-0.9048	-1.749	-2.156	-2.477	-2.760	-3.026	-3.279	-3.516	-3.719	-3.843
	-3.830	-3.897	-3.906	-3.633	-3.618	-3.542	-2.766	-2.697	-2.628	-0.7998
	-0.7867	-1.098	-3.247	-3.628	-4.011	-5.123	-5.522	-5.863	-6.494	-6.877
	-7.256	-7.582	-8.004	-8.298	-8.467	-8.528	-8.553	-8.505	-8.178	-7.628
	-6.682	-3.992	-1.028	1.988						
0 30	15.98	12.45	9.124	6.678	4.625	2.826	1.249	-0.1272	-0.6982	-0.7260
	-1.498	-2.157	-2.519	-2.826	-3.106	-3.370	-3.622	-3.860	-4.073	-4.238
	-4.336	-4.453	-4.529	-4.485	-4.528	-4.515	-4.217	-4.181	-4.084	-3.279
	-3.189	-3.099	-1.234	-1.200	-1.492	-3.637	-4.000	-4.371	-5.501	-5.997
	-6.614	-7.020	-7.650	-8.080	-8.323	-8.405	-8.466	-8.455	-8.132	-7.595
	-6.650	-3.974	-1.020	1.988						
0 31	15.98	12.41	9.032	6.619	4.590	2.802	1.223	-0.1666	-0.8874	-1.178
	-1.862	-2.417	-2.747	-3.043	-3.318	-3.580	-3.832	-4.071	-4.292	-4.483
	-4.639	-4.792	-4.918	-4.989	-5.083	-5.138	-5.072	-5.095	-5.061	-4.740
	-4.683	-4.564	-3.732	-3.620	-3.508	-1.607	-1.554	-1.834	-4.006	-4.521
	-5.613	-6.081	-7.066	-7.722	-8.092	-8.202	-8.328	-8.382	-8.065	-7.552
	-6.606	-3.953	-1.012	1.988						
0 32	15.98	12.37	8.935	6.558	4.553	2.777	1.200	-0.1982	-1.012	-1.447
	-2.085	-2.582	-2.891	-3.178	-3.449	-3.709	-3.960	-4.201	-4.427	-4.634
	-4.820	-4.998	-5.157	-5.288	-5.420	-5.525	-5.576	-5.650	-5.685	-5.598
	-5.600	-5.546	-5.201	-5.123	-4.982	-4.122	-3.988	-3.856	-1.941	-2.028
	-4.124	-4.521	-6.108	-7.133	-7.714	-7.863	-8.104	-8.272	-7.964	-7.496
	-6.549	-3.928	-1.003	1.988						
0 33	15.98	12.33	8.836	6.496	4.516	2.753	1.179	-0.2245	-1.095	-1.610
	-2.224	-2.687	-2.983	-3.263	-3.532	-3.791	-4.041	-4.282	-4.512	-4.728
	-4.931	-5.124	-5.303	-5.466	-5.623	-5.762	-5.873	-5.985	-6.071	-6.102
	-6.156	-6.170	-6.062	-6.043	-5.967	-5.598	-5.497	-5.329	-4.418	-4.086
	-2.088	-1.973	-4.563	-6.172	-7.098	-7.291	-7.734	-8.097	-7.803	-7.414
	-6.472	-3.897	-0.9928	1.988						
0 34	15.98	12.28	8.736	6.434	4.479	2.728	1.158	-0.2471	-1.153	-1.711
	-2.311	-2.756	-3.043	-3.319	-3.585	-3.843	-4.092	-4.334	-4.566	-4.788
	-4.999	-5.201	-5.394	-5.574	-5.747	-5.907	-6.050	-6.187	-6.307	-6.398
	-6.490	-6.556	-6.566	-6.599	-6.592	-6.461	-6.418	-6.310	-5.879	-5.572
	-4.627	-4.353	-2.132	-4.625	-6.106	-6.328	-7.125	-7.813	-7.537	-7.291
	-6.359	-3.857	-0.9820	1.988						
0 35	15.98	12.24	8.639	6.373	4.441	2.703	1.139	-0.2674	-1.193	-1.775
	-2.369	-2.803	-3.084	-3.357	-3.621	-3.878	-4.127	-4.368	-4.602	-4.826
	-5.042	-5.250	-5.450	-5.640	-5.822	-5.995	-6.156	-6.309	-6.449	-6.573
	-6.690	-6.790	-6.861	-6.932	-6.976	-6.964	-6.972	-6.933	-6.743	-6.552
	-6.111	-5.881	-4.535	-2.189	-4.534	-4.725	-6.128	-7.351	-7.094	-7.097
	-6.182	-3.801	-0.9699	1.989						
0 36	15.98	12.20	8.548	6.314	4.404	2.678	1.119	-0.2860	-1.224	-1.819
	-2.408	-2.835	-3.114	-3.384	-3.647	-3.903	-4.151	-4.393	-4.627	-4.853
	-5.071	-5.282	-5.486	-5.681	-5.870	-6.049	-6.220	-6.383	-6.536	-6.677
	-6.810	-6.930	-7.033	-7.130	-7.208	-7.256	-7.303	-7.316	-7.254	-7.164
	-6.972	-6.830	-6.048	-4.589	-2.110	-2.113	-4.528	-6.599	-6.355	-6.785
	-5.891	-3.721	-0.9559	1.989						
0 37	15.99	12.16	8.465	6.256	4.367	2.653	1.100	-0.3034	-1.248	-1.849
	-2.436	-2.860	-3.136	-3.405	-3.667	-3.921	-4.169	-4.411	-4.645	-4.872
	-5.091	-5.304	-5.510	-5.708	-5.900	-6.084	-6.260	-6.428	-6.588	-6.739
	-6.882	-7.014	-7.135	-7.247	-7.345	-7.426	-7.498	-7.546	-7.553	-7.533
	-7.465	-7.404	-6.970	-6.093	-4.627	-4.450	-2.026	-5.390	-5.135	-6.281
	-5.408	-3.601	-0.9395	1.993						
0 38	15.98	12.11	8.356	6.173	4.313	2.616	1.072	-0.3284	-1.278	-1.884
	-2.468	-2.888	-3.162	-3.430	-3.690	-3.944	-4.191	-4.432	-4.666	-4.893
	-5.114	-5.328	-5.535	-5.736	-5.930	-6.117	-6.297	-6.471	-6.637	-6.795
	-6.946	-7.089	-7.223	-7.349	-7.465	-7.571	-7.666	-7.748	-7.809	-7.854
	-7.879	-7.908	-7.787	-7.454	-6.884	-6.688	-5.550	-2.586	-2.226	-5.073
	-4.219	-3.324	-0.9100	1.989						
0 39	15.99	12.04	8.241	6.073	4.245	2.569	1.036	-0.3595	-1.310	-1.917
	-2.499	-2.917	-3.189	-3.455	-3.714	-3.967	-4.213	-4.453	-4.686	-4.913
	-5.134	-5.348	-5.556	-5.757	-5.952	-6.141	-6.323	-6.498	-6.666	-6.828

	-6.983	-7.130	-7.270	-7.402	-7.526	-7.642	-7.749	-7.846	-7.932	-8.006
	-8.069	-8.148	-8.176	-8.105	-7.935	-7.824	-7.362	-6.160	-5.653	-1.261
	-0.3242	-2.477	-0.8527	1.994						
0 40	15.98	11.95	8.078	5.935	4.149	2.501	0.9841	-0.4037	-1.353	-1.959
	-2.538	-2.953	-3.223	-3.488	-3.745	-3.997	-4.242	-4.480	-4.713	-4.939
	-5.159	-5.372	-5.580	-5.781	-5.976	-6.164	-6.347	-6.522	-6.692	-6.854
	-7.010	-7.159	-7.301	-7.436	-7.563	-7.683	-7.795	-7.899	-7.995	-8.082
	-8.160	-8.264	-8.360	-8.408	-8.409	-8.377	-8.252	-7.922	-7.480	-6.115
	-4.933	0.4179	-0.7421	1.989						
0 41	15.98	11.85	7.813	5.776	4.044	2.424	0.9227	-0.4562	-1.401	-2.005
	-2.581	-2.993	-3.262	-3.525	-3.781	-4.031	-4.275	-4.512	-4.743	-4.968
	-5.187	-5.399	-5.606	-5.806	-6.000	-6.188	-6.369	-6.544	-6.713	-6.875
	-7.030	-7.179	-7.321	-7.455	-7.582	-7.702	-7.815	-7.919	-8.016	-8.104
	-8.184	-8.291	-8.397	-8.465	-8.492	-8.478	-8.414	-8.240	-7.830	-7.104
	-6.097	-3.055	-0.8341	1.989						
0 42	15.98	11.80	7.732	5.687	3.971	2.364	0.8715	-0.5014	-1.443	-2.044
	-2.618	-3.029	-3.296	-3.558	-3.813	-4.061	-4.304	-4.540	-4.770	-4.994
	-5.211	-5.423	-5.628	-5.828	-6.021	-6.208	-6.388	-6.562	-6.730	-6.892
	-7.046	-7.194	-7.335	-7.468	-7.595	-7.714	-7.826	-7.929	-8.025	-8.113
	-8.192	-8.297	-8.403	-8.470	-8.497	-8.481	-8.420	-8.258	-7.842	-7.193
	-6.192	-3.564	-0.8446	1.989						
0 43	15.98	11.78	7.660	5.649	3.933	2.324	0.8319	-0.5386	-1.478	-2.077
	-2.650	-3.059	-3.325	-3.586	-3.840	-4.087	-4.329	-4.564	-4.793	-5.016
	-5.233	-5.444	-5.648	-5.847	-6.039	-6.225	-6.405	-6.578	-6.745	-6.905
	-7.059	-7.206	-7.346	-7.479	-7.605	-7.723	-7.833	-7.936	-8.031	-8.117
	-8.195	-8.299	-8.401	-8.465	-8.488	-8.467	-8.401	-8.230	-7.797	-7.147
	-6.191	-3.591	-0.8211	1.989						
0 44	15.98	11.82	7.788	5.691	3.931	2.302	0.8038	-0.5679	-1.506	-2.105
	-2.676	-3.084	-3.350	-3.609	-3.862	-4.109	-4.350	-4.584	-4.812	-5.035
	-5.251	-5.461	-5.665	-5.862	-6.054	-6.239	-6.418	-6.591	-6.757	-6.917
	-7.070	-7.216	-7.355	-7.487	-7.612	-7.729	-7.839	-7.941	-8.034	-8.120
	-8.196	-8.298	-8.397	-8.457	-8.476	-8.450	-8.377	-8.194	-7.736	-7.048
	-6.019	-3.515	-0.7830	1.989						
0 45	15.98	11.90	7.940	5.782	3.957	2.297	0.7860	-0.5895	-1.528	-2.126
	-2.696	-3.103	-3.369	-3.628	-3.880	-4.126	-4.366	-4.600	-4.828	-5.050
	-5.265	-5.475	-5.678	-5.875	-6.066	-6.251	-6.429	-6.601	-6.767	-6.926
	-7.078	-7.223	-7.362	-7.493	-7.617	-7.734	-7.843	-7.943	-8.036	-8.121
	-8.196	-8.296	-8.393	-8.449	-8.463	-8.432	-8.352	-8.156	-7.668	-6.934
	-5.878	-3.414	-0.7383	1.989						
0 46	15.99	12.03	8.290	5.930	4.003	2.303	0.7764	-0.6043	-1.543	-2.141
	-2.711	-3.118	-3.383	-3.641	-3.894	-4.139	-4.379	-4.612	-4.840	-5.061
	-5.276	-5.485	-5.688	-5.885	-6.075	-6.259	-6.437	-6.609	-6.774	-6.932
	-7.084	-7.229	-7.367	-7.498	-7.621	-7.737	-7.845	-7.945	-8.037	-8.121
	-8.195	-8.294	-8.388	-8.442	-8.452	-8.416	-8.330	-8.120	-7.600	-6.794
	-5.578	-3.288	-0.6912	1.995						
0 47	15.98	12.20	8.719	6.135	4.074	2.318	0.7704	-0.6178	-1.558	-2.156
	-2.726	-3.132	-3.397	-3.655	-3.907	-4.152	-4.392	-4.625	-4.851	-5.072
	-5.287	-5.495	-5.698	-5.894	-6.084	-6.268	-6.445	-6.616	-6.781	-6.939
	-7.090	-7.234	-7.372	-7.502	-7.625	-7.740	-7.847	-7.947	-8.038	-8.120
	-8.194	-8.291	-8.383	-8.433	-8.439	-8.398	-8.304	-8.079	-7.517	-6.618
	-5.239	-3.128	-0.6325	1.990						

1 HEAD IN LAYER 2 AT END OF TIME STEP 3 IN STRESS PERIOD 3

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54						

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0 1	16.00	13.49	11.07	8.833	6.784	4.916	3.218	1.678	0.6342	-2.5591E-02
	-0.6504	-1.093	-1.380	-1.659	-1.929	-2.190	-2.444	-2.689	-2.926	-3.155
	-3.375	-3.587	-3.791	-3.986	-4.173	-4.352	-4.522	-4.684	-4.836	-4.980
	-5.116	-5.242	-5.359	-5.467	-5.565	-5.654	-5.734	-5.803	-5.863	-5.912
	-5.952	-5.994	-6.008	-5.977	-5.900	-5.774	-5.597	-5.254	-4.577	-3.668
	-2.522	-1.151	0.3820	1.998						
0 2	15.99	13.48	11.06	8.832	6.791	4.928	3.233	1.694	0.6502	-9.7535E-03
	-0.6348	-1.078	-1.365	-1.643	-1.914	-2.175	-2.429	-2.674	-2.912	-3.141
	-3.361	-3.574	-3.778	-3.973	-4.161	-4.340	-4.510	-4.672	-4.825	-4.969
	-5.105	-5.232	-5.349	-5.457	-5.556	-5.646	-5.726	-5.796	-5.856	-5.906
	-5.945	-5.989	-6.004	-5.975	-5.899	-5.774	-5.600	-5.260	-4.588	-3.686

	-2.544	-1.167	0.3736	1.996						
0 3	16.00	13.48	11.07	8.842	6.808	4.950	3.256	1.718	0.6742	1.3972E
	-0.6114	-1.055	-1.342	-1.621	-1.891	-2.153	-2.407	-2.653	-2.890	-3.120
	-3.341	-3.553	-3.758	-3.954	-4.142	-4.321	-4.492	-4.654	-4.808	-4.953
	-5.089	-5.216	-5.334	-5.443	-5.542	-5.632	-5.713	-5.783	-5.844	-5.895
	-5.935	-5.980	-5.997	-5.969	-5.895	-5.773	-5.601	-5.265	-4.600	-3.703
	-2.565	-1.183	0.3657	1.998						
0 4	16.00	13.49	11.07	8.854	6.825	4.969	3.277	1.738	0.6942	3.3655E-02
	-0.5921	-1.036	-1.323	-1.602	-1.873	-2.135	-2.389	-2.635	-2.873	-3.102
	-3.324	-3.537	-3.741	-3.938	-4.126	-4.306	-4.477	-4.639	-4.793	-4.939
	-5.075	-5.203	-5.321	-5.430	-5.530	-5.621	-5.702	-5.773	-5.834	-5.886
	-5.926	-5.972	-5.991	-5.964	-5.892	-5.771	-5.601	-5.268	-4.607	-3.715
	-2.578	-1.194	0.3602	1.998						
0 5	16.00	13.49	11.08	8.872	6.847	4.993	3.301	1.763	0.7181	5.7149E-02
	-0.5691	-1.013	-1.301	-1.580	-1.851	-2.113	-2.368	-2.614	-2.852	-3.082
	-3.303	-3.517	-3.722	-3.918	-4.107	-4.287	-4.458	-4.622	-4.776	-4.922
	-5.058	-5.186	-5.305	-5.415	-5.516	-5.607	-5.688	-5.760	-5.822	-5.874
	-5.915	-5.962	-5.982	-5.957	-5.886	-5.768	-5.600	-5.270	-4.613	-3.725
	-2.590	-1.203	0.3550	1.998						
0 6	16.00	13.50	11.10	8.897	6.874	5.022	3.330	1.791	0.7459	8.4351E-02
	-0.5425	-0.9870	-1.275	-1.554	-1.826	-2.088	-2.343	-2.590	-2.828	-3.058
	-3.280	-3.493	-3.699	-3.896	-4.085	-4.265	-4.437	-4.601	-4.755	-4.902
	-5.039	-5.167	-5.287	-5.397	-5.498	-5.590	-5.672	-5.744	-5.807	-5.859
	-5.902	-5.949	-5.971	-5.948	-5.879	-5.762	-5.596	-5.270	-4.617	-3.733
	-2.600	-1.211	0.3507	1.998						
0 7	16.00	13.52	11.13	8.928	6.907	5.054	3.363	1.823	0.7773	0.1151
	-0.5124	-0.9574	-1.246	-1.526	-1.797	-2.060	-2.315	-2.562	-2.800	-3.031
	-3.253	-3.467	-3.673	-3.870	-4.059	-4.240	-4.412	-4.576	-4.732	-4.878
	-5.016	-5.145	-5.265	-5.376	-5.478	-5.570	-5.653	-5.726	-5.789	-5.842
	-5.885	-5.934	-5.957	-5.935	-5.868	-5.754	-5.589	-5.266	-4.618	-3.737
	-2.606	-1.217	0.3473	1.998						
0 8	16.00	13.53	11.16	8.964	6.943	5.091	3.399	1.859	0.8122	0.1494
	-0.4789	-0.9245	-1.213	-1.493	-1.765	-2.029	-2.284	-2.531	-2.770	-3.001
	-3.223	-3.437	-3.643	-3.841	-4.031	-4.212	-4.385	-4.549	-4.705	-4.852
	-4.990	-5.120	-5.240	-5.352	-5.454	-5.547	-5.630	-5.704	-5.768	-5.822
	-5.865	-5.915	-5.940	-5.920	-5.855	-5.742	-5.580	-5.260	-4.616	-3.738
	-2.610	-1.220	0.3452	1.998						
0 9	16.00	13.55	11.20	9.003	6.982	5.129	3.438	1.898	0.8503	0.1869
	-0.4421	-0.8884	-1.177	-1.458	-1.730	-1.994	-2.250	-2.497	-2.736	-2.967
	-3.190	-3.405	-3.611	-3.809	-3.999	-4.181	-4.354	-4.519	-4.675	-4.823
	-4.961	-5.091	-5.213	-5.325	-5.427	-5.521	-5.605	-5.679	-5.743	-5.798
	-5.842	-5.893	-5.919	-5.901	-5.838	-5.727	-5.567	-5.250	-4.610	-3.736
	-2.609	-1.221	0.3445	1.998						
0 10	15.99	13.57	11.23	9.042	7.021	5.168	3.478	1.939	0.8916	0.2277
	-0.4021	-0.8491	-1.139	-1.420	-1.692	-1.957	-2.213	-2.460	-2.700	-2.931
	-3.154	-3.369	-3.576	-3.774	-3.965	-4.147	-4.320	-4.485	-4.642	-4.790
	-4.929	-5.060	-5.181	-5.294	-5.397	-5.491	-5.575	-5.650	-5.715	-5.771
	-5.816	-5.868	-5.895	-5.879	-5.817	-5.708	-5.549	-5.235	-4.599	-3.729
	-2.605	-1.219	0.3451	1.996						
0 11	16.00	13.59	11.26	9.069	7.048	5.197	3.510	1.972	0.9248	0.2606
	-0.3698	-0.8173	-1.107	-1.389	-1.662	-1.926	-2.183	-2.431	-2.670	-2.902
	-3.125	-3.340	-3.547	-3.746	-3.936	-4.119	-4.292	-4.458	-4.615	-4.763
	-4.903	-5.033	-5.155	-5.268	-5.372	-5.466	-5.551	-5.626	-5.692	-5.747
	-5.793	-5.846	-5.874	-5.859	-5.798	-5.690	-5.533	-5.221	-4.588	-3.720
	-2.599	-1.216	0.3469	1.998						
0 12	16.00	13.60	11.27	9.086	7.066	5.216	3.531	1.995	0.9477	0.2833
	-0.3474	-0.7953	-1.085	-1.367	-1.640	-1.905	-2.162	-2.410	-2.650	-2.882
	-3.105	-3.320	-3.527	-3.726	-3.917	-4.099	-4.273	-4.439	-4.596	-4.744
	-4.884	-5.015	-5.137	-5.250	-5.354	-5.449	-5.534	-5.609	-5.675	-5.731
	-5.777	-5.830	-5.859	-5.844	-5.785	-5.677	-5.521	-5.211	-4.580	-3.714
	-2.595	-1.212	0.3485	1.998						
0 13	16.00	13.60	11.28	9.101	7.083	5.235	3.552	2.018	0.9713	0.3068
	-0.3243	-0.7725	-1.063	-1.345	-1.618	-1.884	-2.140	-2.389	-2.629	-2.861
	-3.084	-3.300	-3.507	-3.706	-3.897	-4.079	-4.253	-4.419	-4.576	-4.725
	-4.865	-4.996	-5.118	-5.231	-5.335	-5.430	-5.515	-5.591	-5.657	-5.713
	-5.759	-5.813	-5.843	-5.829	-5.770	-5.664	-5.508	-5.199	-4.570	-3.706
	-2.589	-1.209	0.3504	1.998						
0 14	16.00	13.61	11.29	9.115	7.098	5.252	3.574	2.042	0.9958	0.3311
	-0.3003	-0.7489	-1.040	-1.322	-1.596	-1.861	-2.118	-2.367	-2.607	-2.839
	-3.063	-3.278	-3.486	-3.685	-3.876	-4.058	-4.233	-4.398	-4.555	-4.704
	-4.844	-4.976	-5.098	-5.211	-5.316	-5.411	-5.496	-5.572	-5.639	-5.695
	-5.741	-5.795	-5.826	-5.813	-5.754	-5.649	-5.494	-5.186	-4.559	-3.697

	-2.582	-1.204	0.3528	1.998						
0 15	16.00	13.61	11.30	9.127	7.111	5.269	3.595	2.067	1.021	0.3562
	-0.2756	-0.7245	-1.015	-1.298	-1.572	-1.838	-2.095	-2.344	-2.584	-2.816
	-3.040	-3.256	-3.464	-3.663	-3.854	-4.037	-4.211	-4.377	-4.534	-4.683
	-4.823	-4.955	-5.077	-5.191	-5.295	-5.390	-5.476	-5.552	-5.619	-5.675
	-5.722	-5.777	-5.808	-5.795	-5.737	-5.632	-5.479	-5.172	-4.546	-3.687
	-2.574	-1.199	0.3555	1.998						
0 16	16.00	13.62	11.31	9.136	7.123	5.284	3.617	2.093	1.047	0.3820
	-0.2503	-0.6995	-0.9906	-1.273	-1.548	-1.814	-2.071	-2.320	-2.561	-2.793
	-3.017	-3.233	-3.441	-3.641	-3.832	-4.015	-4.189	-4.355	-4.512	-4.661
	-4.801	-4.933	-5.055	-5.169	-5.274	-5.369	-5.455	-5.531	-5.598	-5.655
	-5.702	-5.757	-5.788	-5.776	-5.719	-5.615	-5.462	-5.156	-4.533	-3.675
	-2.565	-1.192	0.3587	1.998						
0 17	16.00	13.62	11.32	9.144	7.133	5.298	3.639	2.120	1.074	0.4086
	-0.2243	-0.6738	-0.9651	-1.248	-1.523	-1.789	-2.047	-2.296	-2.537	-2.769
	-2.994	-3.210	-3.418	-3.618	-3.809	-3.992	-4.166	-4.332	-4.489	-4.638
	-4.779	-4.910	-5.033	-5.147	-5.251	-5.347	-5.433	-5.509	-5.576	-5.634
	-5.681	-5.736	-5.768	-5.757	-5.700	-5.597	-5.444	-5.140	-4.518	-3.662
	-2.555	-1.185	0.3623	1.998						
0 18	16.00	13.62	11.32	9.149	7.140	5.310	3.662	2.148	1.102	0.4359
	-0.1977	-0.6476	-0.9391	-1.222	-1.497	-1.763	-2.021	-2.271	-2.512	-2.744
	-2.969	-3.186	-3.394	-3.594	-3.786	-3.968	-4.143	-4.308	-4.466	-4.615
	-4.755	-4.887	-5.009	-5.123	-5.228	-5.324	-5.410	-5.487	-5.554	-5.611
	-5.658	-5.714	-5.747	-5.736	-5.680	-5.577	-5.425	-5.122	-4.501	-3.648
	-2.544	-1.178	0.3663	1.998						
0 19	16.00	13.62	11.32	9.153	7.146	5.320	3.684	2.176	1.131	0.4637
	-0.1709	-0.6210	-0.9126	-1.196	-1.470	-1.737	-1.995	-2.245	-2.486	-2.719
	-2.944	-3.161	-3.369	-3.570	-3.761	-3.944	-4.118	-4.284	-4.441	-4.590
	-4.731	-4.862	-4.985	-5.099	-5.204	-5.300	-5.386	-5.463	-5.530	-5.588
	-5.635	-5.691	-5.724	-5.714	-5.658	-5.556	-5.405	-5.102	-4.484	-3.633
	-2.531	-1.169	0.3707	1.998						
0 20	16.00	13.62	11.32	9.153	7.149	5.327	3.704	2.203	1.160	0.4918
	-0.1439	-0.5942	-0.8859	-1.169	-1.444	-1.710	-1.968	-2.218	-2.459	-2.692
	-2.918	-3.135	-3.344	-3.544	-3.736	-3.919	-4.093	-4.259	-4.416	-4.565
	-4.706	-4.837	-4.960	-5.074	-5.179	-5.275	-5.361	-5.438	-5.505	-5.563
	-5.611	-5.667	-5.700	-5.690	-5.635	-5.534	-5.383	-5.081	-4.465	-3.616
	-2.518	-1.159	0.3757	1.998						
0 21	16.00	13.62	11.32	9.152	7.149	5.331	3.719	2.224	1.189	0.5196
	-0.1174	-0.5677	-0.8593	-1.142	-1.417	-1.683	-1.941	-2.190	-2.432	-2.665
	-2.891	-3.108	-3.317	-3.518	-3.709	-3.892	-4.067	-4.233	-4.391	-4.540
	-4.680	-4.812	-4.934	-5.048	-5.153	-5.249	-5.335	-5.412	-5.480	-5.538
	-5.586	-5.642	-5.676	-5.666	-5.612	-5.510	-5.360	-5.059	-4.444	-3.598
	-2.503	-1.149	0.3810	1.998						
0 22	16.00	13.62	11.32	9.148	7.147	5.330	3.714	2.226	1.214	0.5457
	-9.2240E-02	-0.5422	-0.8335	-1.116	-1.390	-1.656	-1.914	-2.163	-2.404	-2.638
	-2.863	-3.081	-3.290	-3.490	-3.682	-3.866	-4.040	-4.207	-4.364	-4.513
	-4.653	-4.785	-4.908	-5.022	-5.126	-5.222	-5.309	-5.386	-5.453	-5.511
	-5.559	-5.616	-5.650	-5.641	-5.587	-5.486	-5.336	-5.036	-4.422	-3.578
	-2.486	-1.137	0.3868	1.998						
0 23	15.99	13.62	11.31	9.142	7.142	5.326	3.702	2.219	1.228	0.5677
	-7.0220E-02	-0.5193	-0.8100	-1.092	-1.366	-1.631	-1.888	-2.137	-2.378	-2.611
	-2.837	-3.054	-3.263	-3.464	-3.655	-3.839	-4.013	-4.180	-4.337	-4.486
	-4.626	-4.758	-4.880	-4.994	-5.099	-5.195	-5.281	-5.358	-5.426	-5.484
	-5.532	-5.589	-5.623	-5.614	-5.560	-5.460	-5.311	-5.011	-4.399	-3.557
	-2.469	-1.125	0.3931	1.996						
0 24	16.00	13.61	11.30	9.136	7.137	5.320	3.691	2.210	1.225	0.5780
	-5.8786E-02	-0.5070	-0.7974	-1.079	-1.353	-1.618	-1.874	-2.122	-2.363	-2.595
	-2.820	-3.037	-3.245	-3.445	-3.636	-3.819	-3.994	-4.160	-4.317	-4.466
	-4.606	-4.737	-4.860	-4.973	-5.078	-5.174	-5.260	-5.337	-5.405	-5.463
	-5.511	-5.568	-5.602	-5.594	-5.540	-5.439	-5.290	-4.992	-4.380	-3.540
	-2.454	-1.115	0.3982	1.998						
0 25	16.00	13.61	11.30	9.131	7.133	5.316	3.684	2.203	1.219	0.5810
	-5.4327E-02	-0.5024	-0.7927	-1.074	-1.347	-1.612	-1.868	-2.116	-2.356	-2.587
	-2.812	-3.027	-3.234	-3.434	-3.625	-3.807	-3.982	-4.147	-4.304	-4.453
	-4.593	-4.724	-4.846	-4.960	-5.064	-5.160	-5.246	-5.323	-5.391	-5.449
	-5.497	-5.554	-5.588	-5.579	-5.526	-5.425	-5.277	-4.978	-4.367	-3.528
	-2.444	-1.108	0.4017	1.998						
0 26	16.00	13.61	11.29	9.127	7.129	5.311	3.677	2.195	1.210	0.5773
	-5.4361E-02	-0.5038	-0.7942	-1.076	-1.348	-1.613	-1.868	-2.116	-2.355	-2.585
	-2.807	-3.021	-3.227	-3.426	-3.615	-3.797	-3.971	-4.136	-4.292	-4.440
	-4.580	-4.711	-4.833	-4.946	-5.050	-5.146	-5.232	-5.309	-5.376	-5.434
	-5.482	-5.539	-5.574	-5.565	-5.512	-5.411	-5.263	-4.965	-4.354	-3.516

	-2.434	-1.100	0.4053	1.998						
0 27	16.00	13.60	11.29	9.121	7.124	5.306	3.669	2.187	1.199	0.5674
	-6.0535E-02	-0.5094	-0.7995	-1.081	-1.353	-1.617	-1.872	-2.119	-2.357	-2.587
	-2.808	-3.020	-3.225	-3.421	-3.609	-3.790	-3.962	-4.126	-4.282	-4.430
	-4.568	-4.698	-4.820	-4.933	-5.037	-5.132	-5.218	-5.295	-5.362	-5.420
	-5.468	-5.525	-5.559	-5.551	-5.497	-5.397	-5.248	-4.951	-4.340	-3.504
	-2.423	-1.093	0.4090	1.998						
0 28	16.00	13.60	11.28	9.115	7.119	5.301	3.661	2.178	1.187	0.5543
	-7.0219E-02	-0.5177	-0.8072	-1.088	-1.360	-1.623	-1.878	-2.125	-2.362	-2.591
	-2.811	-3.023	-3.227	-3.422	-3.609	-3.788	-3.958	-4.120	-4.274	-4.421
	-4.559	-4.688	-4.809	-4.921	-5.024	-5.119	-5.205	-5.281	-5.348	-5.406
	-5.454	-5.510	-5.544	-5.536	-5.483	-5.382	-5.234	-4.936	-4.326	-3.491
	-2.412	-1.085	0.4127	1.998						
0 29	16.00	13.60	11.28	9.109	7.113	5.295	3.653	2.169	1.174	0.5400
	-8.1777E-02	-0.5276	-0.8164	-1.097	-1.368	-1.631	-1.885	-2.131	-2.369	-2.597
	-2.817	-3.029	-3.232	-3.426	-3.612	-3.790	-3.959	-4.120	-4.273	-4.416
	-4.552	-4.680	-4.800	-4.911	-5.014	-5.108	-5.193	-5.268	-5.335	-5.392
	-5.440	-5.496	-5.530	-5.521	-5.468	-5.367	-5.219	-4.922	-4.312	-3.478
	-2.401	-1.077	0.4166	1.998						
0 30	16.00	13.59	11.27	9.103	7.107	5.289	3.645	2.159	1.162	0.5254
	-9.4213E-02	-0.5385	-0.8265	-1.106	-1.377	-1.640	-1.894	-2.139	-2.376	-2.604
	-2.824	-3.035	-3.238	-3.431	-3.617	-3.794	-3.963	-4.123	-4.274	-4.417
	-4.552	-4.678	-4.796	-4.905	-5.006	-5.099	-5.182	-5.257	-5.323	-5.380
	-5.427	-5.482	-5.515	-5.507	-5.453	-5.352	-5.204	-4.907	-4.297	-3.464
	-2.389	-1.069	0.4206	1.998						
0 31	16.00	13.59	11.27	9.096	7.101	5.282	3.637	2.150	1.149	0.5111
	-0.1069	-0.5498	-0.8371	-1.116	-1.386	-1.648	-1.902	-2.147	-2.384	-2.612
	-2.831	-3.042	-3.244	-3.438	-3.623	-3.800	-3.968	-4.128	-4.279	-4.421
	-4.555	-4.680	-4.796	-4.904	-5.004	-5.094	-5.175	-5.249	-5.314	-5.369
	-5.415	-5.469	-5.501	-5.492	-5.438	-5.337	-5.189	-4.892	-4.282	-3.450
	-2.377	-1.060	0.4246	1.998						
0 32	16.00	13.59	11.26	9.089	7.094	5.276	3.629	2.140	1.137	0.4972
	-0.1196	-0.5613	-0.8478	-1.126	-1.396	-1.658	-1.911	-2.156	-2.392	-2.620
	-2.839	-3.049	-3.251	-3.445	-3.630	-3.807	-3.975	-4.134	-4.285	-4.426
	-4.560	-4.684	-4.800	-4.907	-5.005	-5.094	-5.174	-5.246	-5.308	-5.361
	-5.406	-5.457	-5.488	-5.478	-5.423	-5.321	-5.173	-4.877	-4.266	-3.436
	-2.364	-1.051	0.4287	1.998						
0 33	16.00	13.58	11.25	9.082	7.087	5.269	3.621	2.131	1.124	0.4838
	-0.1321	-0.5727	-0.8586	-1.136	-1.406	-1.667	-1.920	-2.164	-2.400	-2.628
	-2.846	-3.057	-3.259	-3.452	-3.637	-3.814	-3.981	-4.141	-4.291	-4.433
	-4.566	-4.690	-4.805	-4.912	-5.009	-5.097	-5.177	-5.247	-5.307	-5.359
	-5.400	-5.449	-5.477	-5.465	-5.409	-5.306	-5.158	-4.861	-4.251	-3.421
	-2.351	-1.042	0.4328	1.998						
0 34	16.00	13.58	11.24	9.075	7.081	5.262	3.613	2.121	1.113	0.4710
	-0.1442	-0.5839	-0.8692	-1.146	-1.415	-1.676	-1.929	-2.173	-2.408	-2.636
	-2.854	-3.065	-3.266	-3.460	-3.645	-3.821	-3.989	-4.148	-4.298	-4.440
	-4.572	-4.696	-4.812	-4.918	-5.015	-5.102	-5.181	-5.251	-5.310	-5.360
	-5.400	-5.447	-5.470	-5.455	-5.397	-5.292	-5.143	-4.846	-4.235	-3.406
	-2.337	-1.033	0.4369	1.998						
0 35	16.00	13.57	11.24	9.068	7.074	5.255	3.605	2.111	1.101	0.4588
	-0.1559	-0.5949	-0.8797	-1.156	-1.425	-1.685	-1.938	-2.181	-2.417	-2.644
	-2.862	-3.072	-3.274	-3.467	-3.652	-3.828	-3.996	-4.155	-4.305	-4.447
	-4.579	-4.703	-4.818	-4.924	-5.021	-5.108	-5.187	-5.256	-5.315	-5.364
	-5.403	-5.449	-5.468	-5.447	-5.386	-5.280	-5.130	-4.832	-4.219	-3.391
	-2.323	-1.023	0.4410	1.998						
0 36	16.00	13.57	11.23	9.060	7.067	5.247	3.597	2.102	1.090	0.4471
	-0.1673	-0.6056	-0.8900	-1.166	-1.435	-1.695	-1.946	-2.190	-2.425	-2.651
	-2.870	-3.080	-3.281	-3.474	-3.659	-3.835	-4.003	-4.162	-4.312	-4.454
	-4.586	-4.710	-4.825	-4.931	-5.027	-5.115	-5.193	-5.261	-5.320	-5.369
	-5.408	-5.452	-5.470	-5.446	-5.380	-5.271	-5.118	-4.818	-4.204	-3.376
	-2.309	-1.013	0.4451	1.998						
0 37	16.00	13.57	11.22	9.053	7.059	5.240	3.589	2.093	1.079	0.4358
	-0.1782	-0.6160	-0.9000	-1.176	-1.444	-1.703	-1.955	-2.198	-2.433	-2.659
	-2.877	-3.087	-3.289	-3.482	-3.666	-3.842	-4.010	-4.169	-4.319	-4.460
	-4.593	-4.717	-4.832	-4.938	-5.034	-5.121	-5.199	-5.267	-5.326	-5.375
	-5.414	-5.457	-5.473	-5.447	-5.379	-5.268	-5.110	-4.805	-4.189	-3.362
	-2.295	-1.003	0.4491	1.999						
0 38	16.00	13.56	11.21	9.042	7.049	5.229	3.577	2.079	1.064	0.4196
	-0.1941	-0.6312	-0.9147	-1.190	-1.457	-1.717	-1.968	-2.210	-2.445	-2.671
	-2.889	-3.098	-3.299	-3.492	-3.677	-3.853	-4.020	-4.179	-4.329	-4.471
	-4.603	-4.727	-4.842	-4.947	-5.044	-5.131	-5.209	-5.277	-5.335	-5.384
	-5.422	-5.465	-5.481	-5.453	-5.383	-5.269	-5.107	-4.791	-4.172	-3.341

```
        -2.274     -0.9882     0.4549     1.998
0 39    16.00       13.55      11.20      9.027      7.034      5.215      3.561      2.062      1.045     0.3997
       -0.2137     -0.6502    -0.9331    -1.208     -1.475     -1.734     -1.984     -2.226     -2.460     -2.686
        -2.903      -3.113     -3.313     -3.506     -3.690     -3.866     -4.033     -4.192     -4.342     -4.484
        -4.616      -4.740     -4.855     -4.960     -5.057     -5.144     -5.221     -5.289     -5.347     -5.396
        -5.434      -5.477     -5.492     -5.464     -5.392     -5.277     -5.112     -4.792     -4.169     -3.321
        -2.252     -0.9685     0.4619     1.999
0 40    16.00       13.54      11.18      9.006      7.013      5.194      3.538      2.037      1.018     0.3720
       -0.2411     -0.6768    -0.9592    -1.233     -1.500     -1.758     -2.007     -2.249     -2.482     -2.708
        -2.924      -3.133     -3.334     -3.526     -3.710     -3.885     -4.052     -4.211     -4.361     -4.502
        -4.634      -4.758     -4.873     -4.978     -5.075     -5.161     -5.239     -5.307     -5.365     -5.413
        -5.452      -5.494     -5.509     -5.480     -5.408     -5.291     -5.126     -4.805     -4.177     -3.325
        -2.251     -0.9436     0.4703     1.998
0 41    16.00       13.53      11.16      8.982      6.988      5.168      3.510      2.007     0.9861     0.3400
       -0.2728     -0.7079    -0.9897    -1.263     -1.529     -1.786     -2.035     -2.276     -2.509     -2.734
        -2.950      -3.158     -3.358     -3.550     -3.733     -3.908     -4.075     -4.233     -4.383     -4.524
        -4.656      -4.779     -4.894     -4.999     -5.095     -5.182     -5.259     -5.327     -5.385     -5.433
        -5.471      -5.513     -5.528     -5.499     -5.427     -5.309     -5.143     -4.822     -4.191     -3.340
        -2.265     -0.9586     0.4724     1.998
0 42    16.00       13.52      11.15      8.963      6.967      5.145      3.486      1.980     0.9589     0.3126
       -0.3001     -0.7347    -1.016     -1.289     -1.554     -1.811     -2.060     -2.300     -2.533     -2.757
        -2.973      -3.180     -3.380     -3.571     -3.754     -3.929     -4.095     -4.253     -4.402     -4.543
        -4.675      -4.798     -4.912     -5.017     -5.113     -5.200     -5.277     -5.345     -5.402     -5.450
        -5.488      -5.530     -5.544     -5.515     -5.442     -5.323     -5.157     -4.834     -4.201     -3.350
        -2.275     -0.9712     0.4718     1.998
0 43    16.00       13.52      11.14      8.949      6.951      5.126      3.465      1.958     0.9359     0.2894
       -0.3231     -0.7574    -1.039     -1.311     -1.576     -1.833     -2.081     -2.321     -2.553     -2.777
        -2.992      -3.199     -3.399     -3.589     -3.772     -3.946     -4.112     -4.270     -4.419     -4.559
        -4.691      -4.814     -4.928     -5.032     -5.128     -5.215     -5.292     -5.359     -5.417     -5.464
        -5.502      -5.543     -5.557     -5.527     -5.453     -5.334     -5.167     -4.843     -4.207     -3.355
        -2.280     -0.9769     0.4715     1.998
0 44    16.00       13.52      11.13      8.942      6.939      5.111      3.448      1.939     0.9169     0.2703
       -0.3421     -0.7761    -1.057     -1.330     -1.594     -1.850     -2.098     -2.338     -2.570     -2.793
        -3.009      -3.216     -3.414     -3.605     -3.787     -3.961     -4.127     -4.284     -4.433     -4.573
        -4.704      -4.827     -4.940     -5.045     -5.140     -5.227     -5.303     -5.371     -5.428     -5.476
        -5.513      -5.554     -5.567     -5.537     -5.462     -5.342     -5.174     -4.848     -4.210     -3.355
        -2.278     -0.9772     0.4724     1.998
0 45    16.00       13.52      11.13      8.940      6.932      5.100      3.435      1.925     0.9019     0.2552
       -0.3571     -0.7910    -1.072     -1.344     -1.609     -1.865     -2.112     -2.352     -2.583     -2.807
        -3.022      -3.229     -3.427     -3.617     -3.800     -3.973     -4.139     -4.295     -4.444     -4.584
        -4.715      -4.837     -4.950     -5.055     -5.150     -5.236     -5.313     -5.380     -5.437     -5.484
        -5.521      -5.562     -5.575     -5.544     -5.469     -5.347     -5.178     -4.851     -4.209     -3.352
        -2.273     -0.9739     0.4744     1.998
0 46    16.00       13.52      11.14      8.941      6.928      5.093      3.425      1.914     0.8907     0.2440
       -0.3683     -0.8020    -1.083     -1.355     -1.619     -1.875     -2.123     -2.362     -2.594     -2.817
        -3.032      -3.238     -3.437     -3.627     -3.809     -3.982     -4.147     -4.304     -4.452     -4.592
        -4.723      -4.845     -4.958     -5.062     -5.157     -5.243     -5.319     -5.386     -5.443     -5.490
        -5.527      -5.568     -5.580     -5.549     -5.473     -5.351     -5.181     -4.852     -4.208     -3.347
        -2.265     -0.9687     0.4770     1.999
0 47    16.00       13.53      11.15      8.946      6.926      5.086      3.416      1.903     0.8797     0.2328
       -0.3794     -0.8130    -1.094     -1.366     -1.630     -1.886     -2.133     -2.373     -2.604     -2.827
        -3.041      -3.248     -3.446     -3.636     -3.818     -3.991     -4.156     -4.313     -4.461     -4.600
        -4.731      -4.853     -4.966     -5.070     -5.165     -5.250     -5.326     -5.393     -5.449     -5.496
        -5.533      -5.573     -5.585     -5.553     -5.477     -5.354     -5.183     -4.852     -4.204     -3.339
        -2.254     -0.9611     0.4805     1.998
OHEAD WILL BE SAVED ON UNIT 30 AT END OF TIME STEP  3, STRESS PERIOD  3
0


                    VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  3 IN STRESS PERIOD  3
                    ------------------------------------------------------------------------------
0                CUMULATIVE VOLUMES      L**3                                RATES FOR THIS TIME STEP      L**3/T
                 ------------------                                          ------------------------

                      IN:                                                          IN:
                      ---                                                          ---
                        STORAGE =   0.29935E+09                                    STORAGE =   0.00000
                  CONSTANT HEAD =   0.00000                                  CONSTANT HEAD =   0.00000
                          WELLS =   0.00000                                          WELLS =   0.00000
                       RECHARGE =   0.86533E+07                                   RECHARGE =   0.64281E-01
                  RIVER LEAKAGE =   0.31067E+08                              RIVER LEAKAGE =   0.99880
                 HEAD DEP BOUNDS =  0.15042E+10                             HEAD DEP BOUNDS =   16.311
```

```
0                        TOTAL IN =   0.18433E+10                                        TOTAL IN =    17.374
0                       OUT:                                                           OUT:
                        ----                                                           ----
                          STORAGE =   0.35448E+09                                        STORAGE =    17.374
                    CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                            WELLS =   0.14881E+10                                          WELLS =   0.00000
                         RECHARGE =   0.00000                                         RECHARGE =   0.00000
                     RIVER LEAKAGE =   0.00000                                    RIVER LEAKAGE =   0.00000
                  HEAD DEP BOUNDS =   0.70030E+06                                 HEAD DEP BOUNDS =   0.00000
0                       TOTAL OUT =   0.18433E+10                                       TOTAL OUT =    17.374
0                        IN - OUT =    2688.0                                          IN - OUT =  -0.99182E-04
0               PERCENT DISCREPANCY =                0.00                       PERCENT DISCREPANCY =                0.00


0

          TIME SUMMARY AT END OF TIME STEP  3 IN STRESS PERIOD  3
                              SECONDS        MINUTES         HOURS          DAYS           YEARS
                         ----------------------------------------------------------------------
      TIME STEP LENGTH       0.259200E+07    43200.0        720.000        30.0000       0.821355E-01
    STRESS PERIOD TIME       0.777600E+07    129600.        2160.00        90.0000       0.246407
 TOTAL SIMULATION TIME       0.311040E+08    518400.        8640.00        360.000       0.985626
1
```

MODFLOW OUTPUT FILE
FOR FIRST TEN YEARS OF
TWENTY-YEAR SIMULATION

OUTPUT AT END OF SIMULATION

PHASE II SITE CHARACTERIZATION
LEHR ENVIRONMENTAL RESTORATION

```
1                    U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER MODEL
0MODFLOW MODEL DOE LEHR, 2 LAYER 10 YEAR SIMULATION                          20 STRESS PERIODS EACH 6 MONTHS LONG
    2 LAYERS        47 ROWS        54 COLUMNS
  20 STRESS PERIOD(S) IN SIMULATION
 MODEL TIME UNIT IS SECONDS
0I/O UNITS:
 ELEMENT OF IUNIT:  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
         I/O UNIT: 11 12  0 14  0  0 17 18 19  0  0 22  0  0  0  0  0  0  0  0  0 23  0  0
0BAS1 -- BASIC MODEL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT  1
 ARRAYS RHS AND BUFF WILL SHARE MEMORY.
 START HEAD WILL NOT BE SAVED -- DRAWDOWN CANNOT BE CALCULATED
    43255 ELEMENTS IN X ARRAY ARE USED BY BAS
    43255 ELEMENTS OF X ARRAY USED OUT OF  800000
0BCF1 -- BLOCK-CENTERED FLOW PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 11
 TRANSIENT SIMULATION
      LAYER  AQUIFER TYPE
      ------------------
         1         1
         2         0
    10154 ELEMENTS IN X ARRAY ARE USED BY BCF
    53409 ELEMENTS OF X ARRAY USED OUT OF  800000
0WEL1 -- WELL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM 12
 MAXIMUM OF   23 WELLS
       92 ELEMENTS IN X ARRAY ARE USED FOR WELLS
    53501 ELEMENTS OF X ARRAY USED OUT OF  800000
0RCH1 -- RECHARGE PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 18
 OPTION 1 -- RECHARGE TO TOP LAYER
     2538 ELEMENTS OF X ARRAY USED FOR RECHARGE
    56039 ELEMENTS OF X ARRAY USED OUT OF  800000
0RIV1 -- RIVER PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 14
 MAXIMUM OF   49 RIVER NODES
      294 ELEMENTS IN X ARRAY ARE USED FOR RIVERS
    56333 ELEMENTS OF X ARRAY USED OUT OF  800000
0GHB1 -- GHB PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 17
 MAXIMUM OF  188 HEAD-DEPENDENT BOUNDARY NODES
      940 ELEMENTS IN X ARRAY ARE USED FOR HEAD-DEPENDENT BOUNDARIES
    57273 ELEMENTS OF X ARRAY USED OUT OF  800000
0SIP1 -- STRONGLY IMPLICIT PROCEDURE SOLUTION PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 19
 MAXIMUM OF 100 ITERATIONS ALLOWED FOR CLOSURE
  5 ITERATION PARAMETERS
    20709 ELEMENTS IN X ARRAY ARE USED BY SIP
    77982 ELEMENTS OF X ARRAY USED OUT OF  800000
1MODFLOW MODEL DOE LEHR, 2 LAYER 10 YEAR SIMULATION                          20 STRESS PERIODS EACH 6 MONTHS LONG
0                                                        BOUNDARY ARRAY =              1 FOR LAYER  1
0                                                        BOUNDARY ARRAY =              1 FOR LAYER  2
0AQUIFER HEAD WILL BE SET TO  999.99     AT ALL NO-FLOW NODES (IBOUND=0).
0                                                          INITIAL HEAD =  -6.000000     FOR LAYER  1
0                                                          INITIAL HEAD =  -6.000000     FOR LAYER  2
0HEAD PRINT FORMAT IS FORMAT NUMBER   0    DRAWDOWN PRINT FORMAT IS FORMAT NUMBER   0
0HEADS WILL BE SAVED ON UNIT 31    DRAWDOWNS WILL BE SAVED ON UNIT 32
0OUTPUT CONTROL IS SPECIFIED EVERY TIME STEP
0


                          COLUMN TO ROW ANISOTROPY WILL BE READ ON UNIT 11 USING FORMAT: (20F4.1)
                          ------------------------------------------------------------------------

0


                                       DELR WILL BE READ ON UNIT 11 USING FORMAT: (10E12.4)
                          ------------------------------------------------------------------------

0


                                       DELC WILL BE READ ON UNIT 11 USING FORMAT: (10E12.4)
                          ------------------------------------------------------------------------

0                                            PRIMARY STORAGE COEF =  0.2000000     FOR LAYER  1
0
```

```
                    HYD. COND. ALONG ROWS FOR LAYER  1 WILL BE READ ON UNIT 11 USING FORMAT: (10E12.4)
                    ---------------------------------------------------------------------------------
0                                                   BOTTOM =  -50.00000     FOR LAYER  1
0                                       VERT HYD COND /THICKNESS =  0.1000000E-06 FOR LAYER  1
0                                           PRIMARY STORAGE COEF =  0.1000000E-02 FOR LAYER  2
0                                           TRANSMIS. ALONG ROWS =  0.2500000     FOR LAYER  2
0


                                            SOLUTION BY THE STRONGLY IMPLICIT PROCEDURE
                                            --------------------------------------------
0                                   MAXIMUM ITERATIONS ALLOWED FOR CLOSURE =      100
                                                ACCELERATION PARAMETER =     1.0000
                                        HEAD CHANGE CRITERION FOR CLOSURE =    0.10000E-02
                                        SIP HEAD CHANGE PRINTOUT INTERVAL =        1
0                                       CALCULATE ITERATION PARAMETERS FROM MODEL CALCULATED WSEED
1                                      STRESS PERIOD NO.   1, LENGTH =  0.1576800E+08
                                       ----------------------------------------------

                                       NUMBER OF TIME STEPS =     1

                                        MULTIPLIER FOR DELT =     1.000

                                     INITIAL TIME STEP SIZE =  0.1576800E+08
0            2 WELLS
                                    LAYER    ROW    COL    STRESS RATE   WELL NO.
                                    ------------------------------------------
                                      1      16     16     0.10000E-03       1
                                      1      16     18     0.20800E-02       2
0                                                        RECHARGE =  0.4750000E-07
0

    49 RIVER REACHES
0                LAYER     ROW     COL     STAGE     CONDUCTANCE   BOTTOM ELEVATION   RIVER REACH
                 ---------------------------------------------------------------------------------
                   1       21       7     24.00       0.1250E-01          20.00             1
                   1       21       8     24.00       0.1250E-01          20.00             2
                   1       22       9     24.00       0.3100E-02          20.00             3
                   1       23       9     24.00       0.6300E-02          20.00             4
                   1       24       9     24.00       0.3100E-02          20.00             5
                   1       25      10     24.00       0.6300E-02          20.00             6
                   1       26      10     24.00       0.6300E-02          20.00             7
                   1       26      11     24.00       0.6300E-02          20.00             8
                   1       25      12     24.00       0.3100E-02          20.00             9
                   1       25      13     24.00       0.3100E-02          20.00            10
                   1       25      14     24.00       0.3100E-02          20.00            11
                   1       25      15     24.00       0.3100E-02          20.00            12
                   1       25      16     24.00       0.3100E-02          20.00            13
                   1       25      17     24.00       0.3100E-02          20.00            14
                   1       25      18     24.00       0.3100E-02          20.00            15
                   1       25      19     24.00       0.3100E-02          20.00            16
                   1       25      20     24.00       0.3100E-02          20.00            17
                   1       26      21     24.00       0.3100E-02          20.00            18
                   1       26      22     24.00       0.3100E-02          20.00            19
                   1       26      23     24.00       0.3100E-02          20.00            20
                   1       27      24     24.00       0.3100E-02          20.00            21
                   1       27      25     24.00       0.3100E-02          20.00            22
                   1       27      26     24.00       0.3100E-02          20.00            23
                   1       28      27     24.00       0.3100E-02          20.00            24
                   1       28      28     24.00       0.3100E-02          20.00            25
                   1       28      29     24.00       0.3100E-02          20.00            26
                   1       29      30     24.00       0.3100E-02          20.00            27
                   1       29      31     24.00       0.3100E-02          20.00            28
                   1       29      32     24.00       0.3100E-02          20.00            29
                   1       30      33     24.00       0.3100E-02          20.00            30
                   1       30      34     24.00       0.3100E-02          20.00            31
                   1       30      35     24.00       0.3100E-02          20.00            32
                   1       31      36     24.00       0.3100E-02          20.00            33
                   1       31      37     24.00       0.3100E-02          20.00            34
                   1       31      38     24.00       0.3100E-02          20.00            35
                   1       32      39     24.00       0.3100E-02          20.00            36
                   1       32      40     24.00       0.3100E-02          20.00            37
```

```
      -10.98      -11.17      -11.37      -11.57      -11.77      -11.99      -12.20      -12.43      -12.65      -12.89
      -13.13      -13.49      -13.99      -14.50      -15.03      -15.56      -16.09      -16.88      -17.85      -18.63
      -18.78      -12.32      -5.242       1.995
0 47   15.99       4.146      -5.444      -8.557      -9.206      -9.091      -8.829      -8.637      -8.594      -8.603
      -8.649      -8.710      -8.760      -8.818      -8.885      -8.961      -9.044      -9.136      -9.235      -9.343
      -9.457      -9.579      -9.708      -9.844      -9.987      -10.14      -10.29      -10.46      -10.63      -10.80
      -10.98      -11.17      -11.36      -11.56      -11.77      -11.98      -12.19      -12.41      -12.63      -12.86
      -13.10      -13.45      -13.94      -14.44      -14.94      -15.44      -15.92      -16.62      -17.32      -17.43
      -16.06      -11.17      -4.836       1.991
0HEAD WILL BE SAVED ON UNIT 31 AT END OF TIME STEP  1, STRESS PERIOD 20
0


                    VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 20
                    ------------------------------------------------------------------------------
0             CUMULATIVE VOLUMES      L**3                          RATES FOR THIS TIME STEP      L**3/T
              ------------------                                    ------------------------

                   IN:                                                   IN:
                   ---                                                   ---
                     STORAGE =   0.17754E+10                               STORAGE =    11.176
              CONSTANT HEAD =    0.00000                            CONSTANT HEAD =   0.00000
                     WELLS =     0.25591E+06                                WELLS =   0.00000
                  RECHARGE =     0.51770E+09                           RECHARGE =   0.00000
             RIVER LEAKAGE =     0.31498E+09                      RIVER LEAKAGE =   0.99880
            HEAD DEP BOUNDS =    0.14444E+11                     HEAD DEP BOUNDS =    84.735
0                 TOTAL IN =     0.17052E+11                          TOTAL IN =    96.910
0                 OUT:                                                 OUT:
                  ----                                                 ----
                     STORAGE =   0.17428E+10                               STORAGE =   0.00000
              CONSTANT HEAD =    0.00000                            CONSTANT HEAD =   0.00000
                     WELLS =     0.15281E+11                                WELLS =    96.910
                  RECHARGE =     0.00000                           RECHARGE =   0.00000
             RIVER LEAKAGE =     0.00000                      RIVER LEAKAGE =   0.00000
            HEAD DEP BOUNDS =    0.28715E+08                     HEAD DEP BOUNDS =   0.00000
0                TOTAL OUT =     0.17052E+11                          TOTAL OUT =    96.910
0                 IN - OUT =      12288.                               IN - OUT =   0.61035E-04
0         PERCENT DISCREPANCY =              0.00                PERCENT DISCREPANCY =              0.00


0


        TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 20
                              SECONDS        MINUTES        HOURS          DAYS           YEARS
                          ------------------------------------------------------------------------
     TIME STEP LENGTH       0.157680E+08    262800.       4380.00        182.500        0.499658
   STRESS PERIOD TIME       0.157680E+08    262800.       4380.00        182.500        0.499658
 TOTAL SIMULATION TIME      0.315360E+09   0.525600E+07   87600.0        3650.00         9.99316
1
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	-10.92	-11.14	-11.36	-11.59	-11.82	-12.06	-12.31	-12.57	-12.84	-13.11
	-13.40	-13.84	-14.46	-15.13	-15.84	-16.60	-17.40	-18.69	-20.65	-22.90
	-25.20	-16.10	-6.992	1.989						
0 35	15.98	3.651	-9.945	-8.082	-7.579	-7.422	-7.418	-7.520	-7.666	-7.790
	-7.943	-8.078	-8.175	-8.277	-8.386	-8.500	-8.621	-8.747	-8.878	-9.016
	-9.159	-9.309	-9.464	-9.625	-9.792	-9.966	-10.15	-10.33	-10.52	-10.72
	-10.93	-11.14	-11.36	-11.59	-11.82	-12.06	-12.31	-12.57	-12.83	-13.11
	-13.39	-13.83	-14.44	-15.10	-15.81	-16.56	-17.36	-18.64	-20.58	-22.81
	-25.36	-16.03	-6.957	1.989						
0 36	15.98	3.265	-11.83	-8.576	-7.835	-7.568	-7.506	-7.576	-7.709	-7.826
	-7.974	-8.105	-8.199	-8.299	-8.406	-8.518	-8.637	-8.762	-8.892	-9.029
	-9.171	-9.319	-9.474	-9.634	-9.801	-9.973	-10.15	-10.34	-10.53	-10.73
	-10.93	-11.14	-11.36	-11.59	-11.82	-12.06	-12.31	-12.57	-12.83	-13.10
	-13.38	-13.82	-14.43	-15.08	-15.78	-16.52	-17.31	-18.58	-20.50	-22.72
	-25.72	-15.96	-6.922	1.989						
0 37	15.99	2.914	-14.01	-9.034	-8.085	-7.713	-7.593	-7.632	-7.752	-7.863
	-8.004	-8.131	-8.223	-8.321	-8.425	-8.536	-8.653	-8.777	-8.906	-9.041
	-9.183	-9.330	-9.484	-9.643	-9.809	-9.981	-10.16	-10.34	-10.53	-10.73
	-10.94	-11.15	-11.37	-11.59	-11.82	-12.06	-12.31	-12.56	-12.83	-13.10
	-13.37	-13.81	-14.42	-15.06	-15.75	-16.49	-17.27	-18.53	-20.43	-22.63
	-26.27	-15.89	-6.885	1.994						
0 38	15.98	2.476	-12.79	-9.628	-8.451	-7.927	-7.723	-7.715	-7.816	-7.916
	-8.049	-8.170	-8.258	-8.353	-8.455	-8.563	-8.678	-8.799	-8.927	-9.060
	-9.200	-9.346	-9.498	-9.657	-9.821	-9.992	-10.17	-10.35	-10.54	-10.74
	-10.94	-11.15	-11.37	-11.59	-11.82	-12.06	-12.31	-12.56	-12.82	-13.09
	-13.36	-13.79	-14.40	-15.04	-15.72	-16.44	-17.21	-18.45	-20.32	-22.46
	-24.93	-15.74	-6.829	1.989						
0 39	15.99	1.996	-12.31	-10.31	-8.905	-8.199	-7.892	-7.825	-7.900	-7.986
	-8.107	-8.222	-8.305	-8.396	-8.494	-8.599	-8.711	-8.829	-8.954	-9.085
	-9.223	-9.367	-9.517	-9.674	-9.837	-10.01	-10.18	-10.36	-10.55	-10.75
	-10.95	-11.16	-11.37	-11.59	-11.82	-12.06	-12.30	-12.55	-12.81	-13.08
	-13.35	-13.77	-14.37	-15.00	-15.68	-16.39	-17.15	-18.35	-20.19	-22.22
	-23.90	-15.54	-6.752	1.994						
0 40	15.98	1.296	-13.16	-11.28	-9.533	-8.582	-8.132	-7.982	-8.021	-8.088
	-8.193	-8.297	-8.374	-8.459	-8.552	-8.652	-8.759	-8.873	-8.994	-9.122
	-9.257	-9.398	-9.545	-9.699	-9.860	-10.03	-10.20	-10.38	-10.57	-10.76
	-10.96	-11.16	-11.38	-11.60	-11.82	-12.06	-12.30	-12.54	-12.80	-13.06
	-13.33	-13.75	-14.33	-14.95	-15.61	-16.31	-17.04	-18.22	-20.00	-21.96
	-23.35	-15.29	-6.640	1.989						
0 41	15.98	0.2801	-18.41	-12.59	-10.21	-8.998	-8.405	-8.169	-8.167	-8.211
	-8.297	-8.389	-8.459	-8.537	-8.623	-8.718	-8.819	-8.928	-9.045	-9.168
	-9.299	-9.436	-9.580	-9.730	-9.888	-10.05	-10.22	-10.40	-10.58	-10.77
	-10.97	-11.17	-11.38	-11.60	-11.82	-12.05	-12.28	-12.53	-12.78	-13.03
	-13.30	-13.70	-14.27	-14.88	-15.51	-16.19	-16.90	-18.03	-19.75	-21.81
	-25.04	-15.20	-6.504	1.989						
0 42	15.98	-1.6519E-02	-16.50	-13.08	-10.62	-9.292	-8.617	-8.325	-8.292	-8.319
	-8.389	-8.471	-8.535	-8.607	-8.688	-8.777	-8.874	-8.979	-9.091	-9.210
	-9.337	-9.470	-9.611	-9.758	-9.912	-10.07	-10.24	-10.41	-10.59	-10.78
	-10.97	-11.17	-11.38	-11.59	-11.81	-12.04	-12.27	-12.51	-12.75	-13.00
	-13.26	-13.66	-14.21	-14.80	-15.41	-16.06	-16.74	-17.82	-19.46	-21.40
	-23.38	-14.86	-6.334	1.990						
0 43	15.98	-0.2205	-19.61	-13.37	-10.78	-9.454	-8.763	-8.446	-8.393	-8.408
	-8.467	-8.542	-8.600	-8.668	-8.745	-8.829	-8.922	-9.023	-9.131	-9.247
	-9.371	-9.501	-9.638	-9.783	-9.934	-10.09	-10.26	-10.43	-10.60	-10.79
	-10.98	-11.17	-11.38	-11.59	-11.80	-12.02	-12.25	-12.48	-12.72	-12.97
	-13.22	-13.61	-14.15	-14.71	-15.31	-15.92	-16.57	-17.58	-19.12	-21.03
	-24.39	-14.55	-6.129	1.990						
0 44	15.98	0.3435	-15.83	-12.79	-10.67	-9.489	-8.845	-8.531	-8.471	-8.479
	-8.531	-8.600	-8.655	-8.719	-8.792	-8.873	-8.963	-9.060	-9.166	-9.279
	-9.399	-9.527	-9.661	-9.803	-9.952	-10.11	-10.27	-10.44	-10.61	-10.79
	-10.98	-11.17	-11.37	-11.58	-11.79	-12.01	-12.23	-12.46	-12.70	-12.94
	-13.19	-13.56	-14.09	-14.64	-15.20	-15.79	-16.40	-17.34	-18.71	-20.33
	-22.08	-13.91	-5.864	1.990						
0 45	15.98	1.015	-16.92	-12.03	-10.35	-9.423	-8.873	-8.586	-8.527	-8.532
	-8.580	-8.645	-8.698	-8.759	-8.830	-8.908	-8.996	-9.091	-9.194	-9.304
	-9.422	-9.548	-9.680	-9.820	-9.966	-10.12	-10.28	-10.44	-10.62	-10.80
	-10.98	-11.17	-11.37	-11.57	-11.78	-12.00	-12.22	-12.44	-12.67	-12.91
	-13.15	-13.52	-14.03	-14.56	-15.11	-15.66	-16.23	-17.10	-18.28	-19.63
	-22.29	-13.27	-5.565	1.991						
0 46	15.99	2.400	-10.40	-10.51	-9.878	-9.294	-8.865	-8.617	-8.563	-8.569
	-8.615	-8.678	-8.729	-8.789	-8.858	-8.935	-9.020	-9.113	-9.215	-9.323
	-9.440	-9.563	-9.694	-9.832	-9.977	-10.13	-10.29	-10.45	-10.62	-10.80

	-11.04	-11.27	-11.50	-11.75	-12.00	-12.26	-12.52	-12.80	-13.08	-13.38
	-13.68	-14.15	-14.81	-15.52	-16.27	-17.07	-17.92	-19.29	-21.38	-23.82
	-27.58	-16.83	-7.333	1.988						
0 23	15.98	7.793	1.003	-2.738	-4.717	-5.811	-6.453	-6.917	-7.203	-7.427
	-7.666	-7.848	-7.971	-8.098	-8.227	-8.361	-8.498	-8.640	-8.787	-8.939
	-9.097	-9.260	-9.429	-9.604	-9.785	-9.972	-10.17	-10.37	-10.57	-10.79
	-11.01	-11.23	-11.47	-11.71	-11.96	-12.22	-12.49	-12.76	-13.05	-13.34
	-13.64	-14.10	-14.77	-15.47	-16.22	-17.01	-17.86	-19.22	-21.30	-23.69
	-26.25	-16.73	-7.297	1.978						
0 24	15.99	7.463	0.3846	-3.181	-4.978	-5.960	-6.544	-6.971	-7.236	-7.439
	-7.671	-7.849	-7.970	-8.095	-8.222	-8.354	-8.490	-8.630	-8.775	-8.926
	-9.083	-9.245	-9.413	-9.587	-9.767	-9.953	-10.15	-10.34	-10.55	-10.76
	-10.98	-11.21	-11.44	-11.69	-11.93	-12.19	-12.46	-12.73	-13.01	-13.31
	-13.61	-14.07	-14.73	-15.43	-16.17	-16.97	-17.81	-19.17	-21.23	-23.60
	-25.82	-16.65	-7.266	1.988						
0 25	15.99	7.219	-8.4234E-02	-3.505	-5.166	-6.068	-6.609	-7.010	-7.264	-7.452
	-7.679	-7.854	-7.974	-8.097	-8.223	-8.354	-8.488	-8.628	-8.772	-8.921
	-9.077	-9.237	-9.404	-9.577	-9.756	-9.941	-10.13	-10.33	-10.54	-10.75
	-10.97	-11.19	-11.43	-11.67	-11.92	-12.17	-12.44	-12.71	-12.99	-13.28
	-13.58	-14.05	-14.70	-15.40	-16.14	-16.94	-17.78	-19.13	-21.19	-23.54
	-25.71	-16.61	-7.245	1.988						
0 26	15.99	6.951	-0.6152	-3.859	-5.368	-6.182	-6.678	-7.053	-7.297	-7.473
	-7.692	-7.866	-7.984	-8.106	-8.231	-8.360	-8.493	-8.631	-8.774	-8.922
	-9.074	-9.233	-9.398	-9.569	-9.747	-9.930	-10.12	-10.32	-10.52	-10.73
	-10.95	-11.18	-11.41	-11.65	-11.90	-12.15	-12.42	-12.69	-12.97	-13.26
	-13.56	-14.02	-14.68	-15.37	-16.11	-16.90	-17.74	-19.09	-21.14	-23.49
	-25.79	-16.57	-7.222	1.988						
0 27	15.99	6.660	-1.215	-4.241	-5.583	-6.303	-6.751	-7.098	-7.332	-7.502
	-7.712	-7.883	-7.999	-8.119	-8.243	-8.370	-8.502	-8.639	-8.781	-8.927
	-9.078	-9.235	-9.398	-9.566	-9.741	-9.923	-10.11	-10.31	-10.51	-10.72
	-10.94	-11.16	-11.39	-11.63	-11.88	-12.14	-12.40	-12.67	-12.95	-13.24
	-13.54	-14.00	-14.65	-15.35	-16.08	-16.87	-17.70	-19.04	-21.09	-23.44
	-26.05	-16.53	-7.198	1.989						
0 28	15.99	6.344	-1.893	-4.651	-5.809	-6.430	-6.827	-7.146	-7.370	-7.535
	-7.736	-7.903	-8.017	-8.135	-8.257	-8.383	-8.514	-8.650	-8.790	-8.935
	-9.084	-9.240	-9.402	-9.568	-9.742	-9.922	-10.11	-10.30	-10.50	-10.71
	-10.93	-11.15	-11.38	-11.62	-11.86	-12.12	-12.38	-12.65	-12.93	-13.22
	-13.51	-13.97	-14.62	-15.32	-16.05	-16.83	-17.67	-19.00	-21.03	-23.39
	-26.50	-16.50	-7.173	1.989						
0 29	15.99	6.006	-2.657	-5.088	-6.045	-6.563	-6.906	-7.195	-7.410	-7.570
	-7.763	-7.925	-8.037	-8.153	-8.273	-8.398	-8.527	-8.662	-8.801	-8.944
	-9.093	-9.248	-9.408	-9.574	-9.746	-9.924	-10.11	-10.30	-10.50	-10.70
	-10.92	-11.14	-11.37	-11.60	-11.85	-12.10	-12.36	-12.63	-12.91	-13.19
	-13.49	-13.95	-14.60	-15.29	-16.02	-16.80	-17.63	-18.95	-20.97	-23.33
	-27.15	-16.45	-7.147	1.989						
0 30	15.99	5.647	-3.521	-5.550	-6.290	-6.700	-6.987	-7.247	-7.451	-7.606
	-7.792	-7.949	-8.059	-8.172	-8.291	-8.414	-8.542	-8.675	-8.812	-8.955
	-9.103	-9.257	-9.416	-9.581	-9.752	-9.929	-10.11	-10.30	-10.50	-10.70
	-10.91	-11.13	-11.36	-11.59	-11.83	-12.08	-12.34	-12.61	-12.89	-13.17
	-13.47	-13.92	-14.57	-15.25	-15.98	-16.76	-17.58	-18.90	-20.91	-23.25
	-26.37	-16.39	-7.119	1.989						
0 31	15.99	5.268	-4.498	-6.034	-6.542	-6.840	-7.071	-7.299	-7.493	-7.642
	-7.822	-7.974	-8.081	-8.193	-8.309	-8.430	-8.557	-8.688	-8.825	-8.967
	-9.114	-9.267	-9.425	-9.589	-9.759	-9.935	-10.12	-10.31	-10.50	-10.70
	-10.91	-11.13	-11.35	-11.59	-11.83	-12.07	-12.33	-12.59	-12.87	-13.15
	-13.45	-13.90	-14.54	-15.22	-15.95	-16.72	-17.54	-18.85	-20.85	-23.16
	-25.80	-16.32	-7.089	1.989						
0 32	15.99	4.873	-5.606	-6.535	-6.798	-6.984	-7.156	-7.353	-7.536	-7.679
	-7.852	-8.000	-8.104	-8.213	-8.328	-8.447	-8.572	-8.702	-8.838	-8.979
	-9.125	-9.277	-9.434	-9.598	-9.767	-9.943	-10.12	-10.31	-10.51	-10.71
	-10.92	-11.13	-11.35	-11.58	-11.82	-12.07	-12.32	-12.58	-12.85	-13.13
	-13.42	-13.87	-14.51	-15.19	-15.91	-16.68	-17.50	-18.80	-20.79	-23.07
	-25.42	-16.24	-7.058	1.989						
0 33	15.99	4.467	-6.866	-7.050	-7.058	-7.129	-7.242	-7.408	-7.579	-7.716
	-7.882	-8.026	-8.127	-8.234	-8.347	-8.465	-8.588	-8.717	-8.851	-8.991
	-9.136	-9.287	-9.444	-9.607	-9.775	-9.950	-10.13	-10.32	-10.51	-10.71
	-10.92	-11.13	-11.36	-11.58	-11.82	-12.06	-12.32	-12.58	-12.85	-13.12
	-13.41	-13.85	-14.48	-15.16	-15.88	-16.64	-17.45	-18.75	-20.72	-22.98
	-25.22	-16.17	-7.025	1.989						
0 34	15.99	4.056	-8.302	-7.569	-7.319	-7.275	-7.330	-7.464	-7.622	-7.753
	-7.913	-8.052	-8.151	-8.256	-8.366	-8.482	-8.604	-8.732	-8.865	-9.003
	-9.148	-9.298	-9.454	-9.616	-9.784	-9.958	-10.14	-10.32	-10.52	-10.72

	-11.35	-11.57	-11.80	-12.04	-12.29	-12.54	-12.81	-13.08	-13.36	-13.64
	-13.94	-14.40	-15.05	-15.74	-16.47	-17.26	-18.10	-19.44	-21.49	-23.88
	-27.24	-16.84	-7.341	1.977						
0 11	15.99	6.610	-1.207	-4.408	-5.813	-6.548	-7.018	-7.397	-7.677	-7.870
	-8.075	-8.239	-8.353	-8.471	-8.593	-8.720	-8.852	-8.989	-9.132	-9.281
	-9.435	-9.594	-9.760	-9.932	-10.11	-10.30	-10.49	-10.68	-10.89	-11.10
	-11.32	-11.55	-11.78	-12.02	-12.27	-12.52	-12.79	-13.06	-13.34	-13.63
	-13.93	-14.39	-15.05	-15.75	-16.49	-17.28	-18.13	-19.48	-21.55	-23.88
	-25.97	-16.83	-7.369	1.988						
0 12	15.99	7.184	-9.1910E-02	-3.640	-5.360	-6.282	-6.855	-7.291	-7.596	-7.803
	-8.018	-8.188	-8.305	-8.426	-8.551	-8.681	-8.815	-8.955	-9.099	-9.249
	-9.404	-9.565	-9.732	-9.905	-10.08	-10.27	-10.46	-10.66	-10.87	-11.08
	-11.30	-11.53	-11.76	-12.00	-12.25	-12.51	-12.78	-13.05	-13.33	-13.62
	-13.92	-14.39	-15.05	-15.75	-16.50	-17.29	-18.14	-19.50	-21.58	-23.90
	-25.83	-16.85	-7.385	1.988						
0 13	15.99	7.659	0.7840	-2.993	-4.962	-6.045	-6.707	-7.194	-7.522	-7.740
	-7.964	-8.140	-8.260	-8.384	-8.511	-8.643	-8.779	-8.920	-9.066	-9.217
	-9.374	-9.536	-9.704	-9.878	-10.06	-10.25	-10.44	-10.64	-10.84	-11.06
	-11.28	-11.51	-11.74	-11.98	-12.23	-12.49	-12.76	-13.04	-13.32	-13.61
	-13.91	-14.38	-15.04	-15.75	-16.50	-17.30	-18.15	-19.52	-21.60	-23.96
	-26.39	-16.90	-7.400	1.988						
0 14	15.99	8.039	1.461	-2.465	-4.627	-5.840	-6.577	-7.106	-7.453	-7.681
	-7.914	-8.094	-8.217	-8.343	-8.473	-8.607	-8.745	-8.887	-9.034	-9.186
	-9.344	-9.507	-9.676	-9.851	-10.03	-10.22	-10.41	-10.61	-10.82	-11.03
	-11.26	-11.48	-11.72	-11.96	-12.22	-12.48	-12.74	-13.02	-13.30	-13.60
	-13.90	-14.37	-15.03	-15.74	-16.49	-17.29	-18.15	-19.52	-21.62	-24.03
	-27.71	-16.96	-7.413	1.988						
0 15	15.99	8.331	1.967	-2.054	-4.358	-5.671	-6.466	-7.028	-7.391	-7.628
	-7.867	-8.051	-8.177	-8.305	-8.437	-8.572	-8.711	-8.855	-9.003	-9.156
	-9.314	-9.478	-9.648	-9.823	-10.00	-10.19	-10.39	-10.59	-10.80	-11.01
	-11.23	-11.46	-11.70	-11.94	-12.19	-12.45	-12.72	-13.00	-13.28	-13.58
	-13.88	-14.35	-15.02	-15.73	-16.48	-17.29	-18.15	-19.52	-21.62	-24.02
	-26.60	-16.96	-7.420	1.988						
0 16	15.99	8.539	2.322	-1.756	-4.157	-5.541	-6.376	-6.962	-7.337	-7.580
	-7.824	-8.012	-8.139	-8.269	-8.402	-8.539	-8.679	-8.823	-8.972	-9.126
	-9.285	-9.449	-9.620	-9.796	-9.978	-10.17	-10.36	-10.56	-10.77	-10.99
	-11.21	-11.44	-11.67	-11.92	-12.17	-12.43	-12.70	-12.98	-13.26	-13.56
	-13.86	-14.33	-15.00	-15.71	-16.47	-17.27	-18.13	-19.51	-21.62	-24.02
	-26.27	-16.96	-7.422	1.988						
0 17	15.99	8.667	2.538	-1.569	-4.026	-5.453	-6.309	-6.908	-7.290	-7.538
	-7.786	-7.976	-8.105	-8.236	-8.370	-8.507	-8.648	-8.793	-8.942	-9.097
	-9.256	-9.421	-9.592	-9.768	-9.951	-10.14	-10.33	-10.54	-10.74	-10.96
	-11.18	-11.41	-11.65	-11.89	-12.15	-12.41	-12.68	-12.95	-13.24	-13.54
	-13.84	-14.31	-14.98	-15.69	-16.45	-17.25	-18.12	-19.50	-21.61	-24.03
	-26.67	-16.98	-7.422	1.988						
0 18	15.99	8.718	2.623	-1.490	-3.966	-5.406	-6.264	-6.865	-7.251	-7.502
	-7.753	-7.944	-8.073	-8.205	-8.339	-8.477	-8.619	-8.764	-8.914	-9.068
	-9.228	-9.393	-9.564	-9.741	-9.923	-10.11	-10.31	-10.51	-10.72	-10.93
	-11.16	-11.39	-11.62	-11.87	-12.12	-12.38	-12.65	-12.93	-13.21	-13.51
	-13.81	-14.28	-14.95	-15.66	-16.42	-17.23	-18.09	-19.47	-21.58	-24.04
	-27.86	-17.00	-7.416	1.988						
0 19	15.99	8.692	2.579	-1.520	-3.977	-5.402	-6.243	-6.836	-7.220	-7.472
	-7.724	-7.916	-8.045	-8.177	-8.311	-8.449	-8.591	-8.736	-8.886	-9.040
	-9.200	-9.365	-9.536	-9.713	-9.896	-10.08	-10.28	-10.48	-10.69	-10.90
	-11.13	-11.36	-11.59	-11.84	-12.09	-12.35	-12.62	-12.90	-13.19	-13.48
	-13.78	-14.25	-14.92	-15.63	-16.39	-17.20	-18.06	-19.44	-21.55	-23.98
	-26.64	-16.95	-7.403	1.988						
0 20	15.99	8.589	2.405	-1.658	-4.059	-5.441	-6.246	-6.821	-7.198	-7.449
	-7.700	-7.891	-8.020	-8.152	-8.286	-8.423	-8.564	-8.709	-8.859	-9.013
	-9.173	-9.338	-9.509	-9.686	-9.868	-10.06	-10.25	-10.45	-10.66	-10.88
	-11.10	-11.33	-11.57	-11.81	-12.06	-12.32	-12.59	-12.87	-13.15	-13.45
	-13.75	-14.22	-14.89	-15.60	-16.35	-17.16	-18.02	-19.40	-21.50	-23.91
	-26.20	-16.90	-7.384	1.988						
0 21	15.99	8.407	2.094	-1.905	-4.211	-5.524	-6.279	-6.824	-7.186	-7.433
	-7.682	-7.872	-7.999	-8.130	-8.263	-8.399	-8.539	-8.684	-8.833	-8.987
	-9.146	-9.311	-9.482	-9.658	-9.840	-10.03	-10.22	-10.42	-10.63	-10.85
	-11.07	-11.30	-11.53	-11.78	-12.03	-12.29	-12.56	-12.84	-13.12	-13.41
	-13.72	-14.19	-14.85	-15.56	-16.31	-17.12	-17.97	-19.35	-21.45	-23.87
	-26.50	-16.86	-7.361	1.988						
0 22	15.99	8.144	1.633	-2.265	-4.431	-5.648	-6.352	-6.861	-7.185	-7.425
	-7.670	-7.857	-7.983	-8.111	-8.243	-8.378	-8.517	-8.660	-8.808	-8.962
	-9.121	-9.285	-9.455	-9.631	-9.812	-10.00	-10.19	-10.39	-10.60	-10.82

-7.087	-7.170	-7.234	-7.305	-7.383	-7.468	-7.561	-7.660	-7.766	-7.878
-7.997	-8.123	-8.254	-8.391	-8.535	-8.684	-8.838	-8.998	-9.164	-9.335
-9.510	-9.691	-9.877	-10.07	-10.26	-10.46	-10.67	-10.87	-11.09	-11.30
-11.52	-11.85	-12.31	-12.77	-13.23	-13.69	-14.14	-14.77	-15.41	-15.51
-14.24	-9.819	-4.095	1.977						

1 HEAD IN LAYER 2 AT END OF TIME STEP 1 IN STRESS PERIOD 20

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54						

0	1	15.98	3.431	-6.964	-9.625	-9.974	-9.690	-9.334	-9.090	-9.029	-9.030
		-9.072	-9.133	-9.184	-9.243	-9.312	-9.390	-9.476	-9.571	-9.675	-9.786
		-9.906	-10.03	-10.17	-10.31	-10.46	-10.62	-10.78	-10.95	-11.13	-11.31
		-11.50	-11.70	-11.90	-12.11	-12.33	-12.55	-12.77	-13.01	-13.24	-13.48
		-13.73	-14.11	-14.62	-15.15	-15.69	-16.22	-16.75	-17.50	-18.31	-18.56
		-17.38	-12.02	-5.247	1.991						
0	2	15.96	1.192	-14.84	-12.08	-10.74	-9.890	-9.341	-9.039	-8.970	-8.971
		-9.016	-9.080	-9.133	-9.195	-9.267	-9.347	-9.436	-9.534	-9.640	-9.754
		-9.876	-10.01	-10.14	-10.29	-10.44	-10.60	-10.77	-10.94	-11.12	-11.30
		-11.50	-11.70	-11.90	-12.12	-12.33	-12.56	-12.79	-13.02	-13.26	-13.51
		-13.76	-14.15	-14.68	-15.23	-15.80	-16.37	-16.95	-17.83	-18.98	-20.13
		-21.68	-13.52	-5.764	1.981						
0	3	15.98	0.3796	-14.96	-12.97	-11.07	-9.908	-9.249	-8.926	-8.864	-8.873
		-8.927	-8.998	-9.056	-9.123	-9.199	-9.284	-9.377	-9.479	-9.589	-9.707
		-9.832	-9.966	-10.11	-10.25	-10.41	-10.57	-10.74	-10.92	-11.10	-11.29
		-11.49	-11.69	-11.90	-12.12	-12.34	-12.57	-12.80	-13.04	-13.29	-13.55
		-13.81	-14.20	-14.76	-15.33	-15.93	-16.55	-17.19	-18.18	-19.59	-21.12
		-22.30	-14.42	-6.184	1.990						
0	4	15.98	-0.2552	-19.42	-13.59	-11.13	-9.826	-9.135	-8.817	-8.769	-8.788
		-8.852	-8.930	-8.992	-9.063	-9.143	-9.231	-9.328	-9.434	-9.547	-9.668
		-9.797	-9.933	-10.08	-10.23	-10.39	-10.55	-10.72	-10.90	-11.09	-11.28
		-11.48	-11.69	-11.90	-12.12	-12.34	-12.58	-12.81	-13.06	-13.31	-13.57
		-13.84	-14.24	-14.81	-15.41	-16.03	-16.68	-17.36	-18.42	-20.01	-21.89
		-25.02	-15.14	-6.463	1.989						
0	5	15.98	-0.1877	-16.83	-13.41	-10.95	-9.623	-8.955	-8.674	-8.650	-8.684
		-8.761	-8.848	-8.916	-8.992	-9.077	-9.170	-9.271	-9.381	-9.498	-9.622
		-9.755	-9.894	-10.04	-10.19	-10.36	-10.52	-10.70	-10.88	-11.07	-11.27
		-11.47	-11.68	-11.89	-12.11	-12.34	-12.58	-12.82	-13.07	-13.33	-13.59
		-13.86	-14.28	-14.87	-15.48	-16.13	-16.81	-17.52	-18.66	-20.38	-22.39
		-24.36	-15.58	-6.702	1.989						
0	6	15.98	-3.1364E-02	-19.30	-13.04	-10.51	-9.288	-8.709	-8.494	-8.507	-8.562
		-8.656	-8.755	-8.829	-8.911	-9.002	-9.101	-9.207	-9.321	-9.442	-9.571
		-9.707	-9.850	-10.00	-10.16	-10.32	-10.49	-10.67	-10.86	-11.05	-11.25
		-11.45	-11.66	-11.88	-12.11	-12.34	-12.58	-12.83	-13.08	-13.35	-13.62
		-13.89	-14.32	-14.92	-15.55	-16.22	-16.93	-17.68	-18.88	-20.71	-22.95
		-26.44	-16.08	-6.910	1.989						
0	7	15.98	0.9103	-14.86	-11.77	-9.784	-8.822	-8.401	-8.284	-8.344	-8.425
		-8.540	-8.652	-8.734	-8.823	-8.921	-9.025	-9.137	-9.256	-9.382	-9.515
		-9.655	-9.802	-9.956	-10.12	-10.28	-10.46	-10.64	-10.83	-11.02	-11.22
		-11.43	-11.65	-11.87	-12.10	-12.34	-12.58	-12.83	-13.09	-13.36	-13.63
		-13.92	-14.35	-14.97	-15.62	-16.31	-17.04	-17.82	-19.06	-20.98	-23.23
		-25.36	-16.30	-7.066	1.989						
0	8	15.98	2.000	-15.19	-10.27	-8.835	-8.253	-8.044	-8.051	-8.168	-8.277
		-8.417	-8.542	-8.633	-8.730	-8.834	-8.945	-9.062	-9.187	-9.318	-9.455
		-9.599	-9.750	-9.908	-10.07	-10.24	-10.42	-10.60	-10.80	-10.99	-11.20
		-11.41	-11.63	-11.85	-12.09	-12.33	-12.57	-12.83	-13.09	-13.36	-13.64
		-13.93	-14.38	-15.00	-15.67	-16.38	-17.13	-17.93	-19.22	-21.20	-23.58
		-27.11	-16.61	-7.192	1.989						
0	9	15.98	3.866	-7.795	-7.941	-7.705	-7.619	-7.662	-7.806	-7.984	-8.126
		-8.290	-8.430	-8.529	-8.634	-8.745	-8.862	-8.986	-9.115	-9.251	-9.392
		-9.541	-9.695	-9.856	-10.02	-10.20	-10.38	-10.56	-10.76	-10.96	-11.17
		-11.38	-11.60	-11.83	-12.07	-12.31	-12.56	-12.82	-13.09	-13.36	-13.65
		-13.94	-14.39	-15.03	-15.71	-16.44	-17.21	-18.03	-19.34	-21.36	-23.68
		-25.76	-16.67	-7.275	1.988						
0	10	15.97	5.598	-3.321	-5.739	-6.567	-6.983	-7.281	-7.565	-7.804	-7.976
		-8.164	-8.319	-8.426	-8.539	-8.657	-8.780	-8.909	-9.043	-9.183	-9.329
		-9.480	-9.638	-9.802	-9.972	-10.15	-10.33	-10.52	-10.72	-10.92	-11.13

	-6.371	-6.532	-6.644	-6.758	-6.876	-6.997	-7.123	-7.252	-7.385	-7.521
	-7.659	-7.800	-7.945	-8.092	-8.242	-8.394	-8.547	-8.704	-8.861	-9.013
	-9.171	-9.325	-9.464	-9.616	-9.755	-9.851	-9.983	-10.08	-10.04	-10.02
	-9.754	-9.818	-8.866	-6.832	-9.960	-10.81	-13.06	-15.60	-17.46	-20.01
	-22.08	-14.07	-5.962	1.971						
0 36	15.95	4.660	-7.749	-6.383	-5.895	-5.765	-5.806	-5.955	-6.119	-6.249
	-6.423	-6.576	-6.683	-6.794	-6.909	-7.029	-7.153	-7.282	-7.414	-7.551
	-7.691	-7.835	-7.983	-8.135	-8.290	-8.449	-8.611	-8.777	-8.945	-9.114
	-9.287	-9.460	-9.629	-9.805	-9.976	-10.13	-10.30	-10.45	-10.54	-10.62
	-10.61	-10.76	-10.43	-9.419	-7.290	-7.915	-11.32	-14.82	-16.68	-19.68
	-21.92	-13.95	-5.926	1.972						
0 37	15.97	4.362	-8.623	-6.787	-6.120	-5.896	-5.886	-6.008	-6.168	-6.298
	-6.466	-6.612	-6.716	-6.824	-6.937	-7.055	-7.177	-7.305	-7.437	-7.573
	-7.714	-7.860	-8.009	-8.163	-8.322	-8.485	-8.651	-8.822	-8.997	-9.174
	-9.356	-9.540	-9.726	-9.916	-10.11	-10.29	-10.48	-10.67	-10.82	-10.97
	-11.08	-11.32	-11.35	-10.98	-10.02	-10.49	-8.481	-13.51	-15.32	-19.13
	-21.47	-13.79	-5.888	1.983						
0 38	15.95	3.959	-9.047	-7.341	-6.450	-6.090	-6.004	-6.086	-6.234	-6.361
	-6.520	-6.659	-6.758	-6.862	-6.972	-7.088	-7.208	-7.334	-7.465	-7.601
	-7.742	-7.888	-8.038	-8.194	-8.354	-8.520	-8.690	-8.865	-9.044	-9.229
	-9.418	-9.611	-9.809	-10.01	-10.22	-10.43	-10.64	-10.85	-11.06	-11.27
	-11.47	-11.79	-12.13	-12.32	-12.35	-12.82	-12.39	-10.35	-11.95	-17.79
	-19.78	-13.45	-5.824	1.972						
0 39	15.97	3.513	-9.232	-7.971	-6.860	-6.336	-6.157	-6.187	-6.315	-6.432
	-6.580	-6.712	-6.806	-6.907	-7.013	-7.125	-7.243	-7.367	-7.495	-7.630
	-7.769	-7.914	-8.064	-8.219	-8.380	-8.545	-8.716	-8.892	-9.074	-9.260
	-9.452	-9.649	-9.851	-10.06	-10.27	-10.49	-10.71	-10.94	-11.17	-11.40
	-11.64	-12.00	-12.47	-12.92	-13.34	-13.90	-14.19	-14.22	-15.77	-13.15
	-14.45	-12.48	-5.722	1.984						
0 40	15.94	2.887	-10.10	-8.859	-7.428	-6.682	-6.376	-6.332	-6.429	-6.529
	-6.663	-6.785	-6.873	-6.968	-7.069	-7.177	-7.291	-7.410	-7.536	-7.667
	-7.804	-7.947	-8.095	-8.248	-8.407	-8.571	-8.741	-8.916	-9.097	-9.283
	-9.475	-9.672	-9.874	-10.08	-10.30	-10.52	-10.74	-10.97	-11.21	-11.45
	-11.70	-12.08	-12.61	-13.16	-13.73	-14.34	-14.95	-15.85	-17.43	-18.49
	-19.52	-9.171	-5.544	1.972						
0 41	15.94	2.054	-13.56	-9.998	-8.033	-7.059	-6.624	-6.503	-6.563	-6.644
	-6.760	-6.871	-6.953	-7.041	-7.137	-7.239	-7.348	-7.463	-7.585	-7.712
	-7.845	-7.984	-8.129	-8.280	-8.436	-8.597	-8.764	-8.937	-9.115	-9.299
	-9.488	-9.683	-9.883	-10.09	-10.30	-10.52	-10.74	-10.97	-11.20	-11.44
	-11.69	-12.07	-12.59	-13.15	-13.73	-14.34	-14.98	-15.99	-17.54	-19.29
	-21.53	-12.78	-5.527	1.972						
0 42	15.94	1.754	-12.98	-10.47	-8.407	-7.325	-6.817	-6.645	-6.678	-6.743
	-6.846	-6.948	-7.024	-7.107	-7.198	-7.296	-7.400	-7.511	-7.628	-7.752
	-7.882	-8.018	-8.160	-8.307	-8.460	-8.619	-8.784	-8.954	-9.129	-9.310
	-9.497	-9.688	-9.886	-10.09	-10.30	-10.51	-10.73	-10.95	-11.18	-11.42
	-11.66	-12.03	-12.55	-13.09	-13.65	-14.24	-14.86	-15.84	-17.32	-19.05
	-20.67	-13.01	-5.408	1.972						
0 43	15.93	1.621	-14.65	-10.70	-8.555	-7.473	-6.950	-6.756	-6.772	-6.826
	-6.918	-7.014	-7.085	-7.164	-7.251	-7.345	-7.445	-7.553	-7.667	-7.788
	-7.914	-8.047	-8.186	-8.331	-8.481	-8.638	-8.800	-8.967	-9.140	-9.318
	-9.502	-9.691	-9.886	-10.09	-10.29	-10.50	-10.72	-10.94	-11.16	-11.39
	-11.63	-11.99	-12.49	-13.01	-13.56	-14.12	-14.71	-15.64	-17.02	-18.72
	-21.09	-12.78	-5.233	1.973						
0 44	15.94	2.069	-12.38	-10.22	-8.454	-7.506	-7.025	-6.834	-6.844	-6.892
	-6.977	-7.068	-7.136	-7.212	-7.295	-7.386	-7.484	-7.588	-7.700	-7.818
	-7.942	-8.072	-8.209	-8.351	-8.499	-8.653	-8.813	-8.978	-9.149	-9.325
	-9.506	-9.692	-9.884	-10.08	-10.28	-10.49	-10.70	-10.92	-11.14	-11.37
	-11.60	-11.95	-12.44	-12.94	-13.47	-14.01	-14.56	-15.42	-16.66	-18.10
	-19.51	-12.24	-5.001	1.974						
0 45	15.94	2.696	-12.17	-9.500	-8.169	-7.447	-7.052	-6.885	-6.895	-6.941
	-7.023	-7.110	-7.176	-7.249	-7.331	-7.419	-7.515	-7.617	-7.726	-7.842
	-7.964	-8.092	-8.227	-8.367	-8.513	-8.665	-8.823	-8.986	-9.155	-9.329
	-9.508	-9.693	-9.882	-10.08	-10.28	-10.48	-10.69	-10.90	-11.12	-11.34
	-11.57	-11.91	-12.39	-12.88	-13.38	-13.89	-14.41	-15.20	-16.28	-17.46
	-19.17	-11.65	-4.736	1.975						
0 46	15.97	3.844	-7.625	-8.169	-7.748	-7.332	-7.046	-6.913	-6.929	-6.975
	-7.056	-7.140	-7.205	-7.277	-7.357	-7.444	-7.538	-7.638	-7.746	-7.860
	-7.981	-8.107	-8.240	-8.379	-8.524	-8.675	-8.831	-8.992	-9.159	-9.332
	-9.509	-9.692	-9.880	-10.07	-10.27	-10.47	-10.68	-10.89	-11.10	-11.32
	-11.54	-11.88	-12.35	-12.83	-13.31	-13.80	-14.29	-15.01	-15.89	-16.58
	-16.60	-10.83	-4.452	1.987						
0 47	15.95	5.341	-3.445	-6.434	-7.145	-7.150	-7.014	-6.932	-6.958	-7.006

	-4.734	-4.749	-4.830	-4.951	-5.084	-5.224	-5.370	-5.528	-5.718	-6.001
	-6.473	-6.789	-7.089	-7.461	-7.750	-8.014	-8.296	-8.553	-8.803	-9.063
	-9.315	-9.565	-9.820	-10.07	-10.33	-10.59	-10.86	-11.13	-11.40	-11.69
	-11.97	-12.42	-13.04	-13.69	-14.38	-15.11	-15.88	-17.12	-19.00	-21.14
	-23.18	-14.76	-6.275	1.947						
0 24	15.96	8.284	1.781	-1.580	-3.320	-4.278	-4.563	-4.740	0.2712	-0.2990
	-3.264	-2.638	-2.669	-2.787	-2.918	-3.054	-3.194	-3.344	-3.534	-3.905
	-5.059	-5.489	-5.875	-6.557	-6.946	-7.288	-7.735	-8.069	-8.375	-8.719
	-9.020	-9.306	-9.606	-9.890	-10.17	-10.46	-10.74	-11.02	-11.31	-11.61
	-11.90	-12.36	-12.98	-13.64	-14.33	-15.06	-15.83	-17.07	-18.93	-21.05
	-22.90	-14.70	-6.247	1.966						
0 25	15.96	8.069	1.364	-1.871	-3.490	-4.386	-4.769	-4.976	-1.810	2.942
	-1.793	-0.2332	-0.2932	-0.4219	-0.5516	-0.6814	-0.8137	-0.9524	-1.115	-1.450
	-3.626	-4.027	-4.440	-5.596	-6.045	-6.443	-7.121	-7.522	-7.878	-8.338
	-8.688	-9.011	-9.370	-9.687	-9.991	-10.31	-10.61	-10.91	-11.22	-11.53
	-11.84	-12.30	-12.94	-13.60	-14.30	-15.03	-15.80	-17.03	-18.89	-21.00
	-22.82	-14.66	-6.227	1.969						
0 26	15.96	7.833	0.8937	-2.188	-3.672	-4.498	-4.920	-5.158	-3.120	2.814
	0.3111	-2.336	-2.677	-2.847	-2.988	-3.123	-3.258	-3.394	-3.513	-3.471
	-1.629	-1.620	-1.943	-4.137	-4.552	-4.976	-6.145	-6.608	-7.020	-7.716
	-8.133	-8.507	-8.984	-9.351	-9.692	-10.07	-10.41	-10.73	-11.08	-11.41
	-11.74	-12.22	-12.88	-13.56	-14.26	-14.98	-15.76	-16.99	-18.84	-20.95
	-22.85	-14.62	-6.207	1.969						
0 27	15.96	7.577	0.3638	-2.531	-3.866	-4.613	-5.039	-5.301	-4.068	-0.8099
	-2.270	-3.813	-4.171	-4.356	-4.502	-4.639	-4.775	-4.906	-5.005	-4.935
	-4.135	-4.050	-3.973	-2.112	-2.110	-2.445	-4.668	-5.097	-5.537	-6.730
	-7.210	-7.640	-8.356	-8.792	-9.184	-9.681	-10.07	-10.43	-10.84	-11.22
	-11.58	-12.09	-12.79	-13.49	-14.20	-14.94	-15.71	-16.95	-18.79	-20.90
	-22.97	-14.59	-6.186	1.969						
0 28	15.96	7.300	-0.2314	-2.899	-4.070	-4.731	-5.140	-5.416	-4.725	-3.005
	-3.875	-4.801	-5.103	-5.284	-5.429	-5.566	-5.701	-5.829	-5.928	-5.912
	-5.596	-5.544	-5.440	-4.631	-4.555	-4.488	-2.618	-2.628	-2.978	-5.238
	-5.684	-6.142	-7.361	-7.861	-8.310	-9.049	-9.506	-9.924	-10.46	-10.90
	-11.34	-11.89	-12.65	-13.40	-14.13	-14.87	-15.66	-16.90	-18.74	-20.85
	-23.14	-14.55	-6.163	1.970						
0 29	15.96	7.005	-0.8990	-3.291	-4.283	-4.853	-5.231	-5.511	-5.171	-4.310
	-4.858	-5.441	-5.684	-5.851	-5.993	-6.129	-6.262	-6.391	-6.497	-6.536
	-6.450	-6.455	-6.414	-6.096	-6.054	-5.960	-5.157	-5.093	-5.039	-3.163
	-3.187	-3.554	-5.853	-6.319	-6.797	-8.046	-8.568	-9.045	-9.833	-10.38
	-10.94	-11.56	-12.44	-13.26	-14.03	-14.78	-15.58	-16.84	-18.67	-20.79
	-23.24	-14.50	-6.139	1.970						
0 30	15.96	6.691	-1.646	-3.704	-4.503	-4.978	-5.317	-5.592	-5.471	-5.081
	-5.458	-5.852	-6.047	-6.201	-6.338	-6.471	-6.603	-6.732	-6.848	-6.927
	-6.952	-7.006	-7.032	-6.948	-6.964	-6.935	-6.628	-6.600	-6.521	-5.724
	-5.675	-5.636	-3.753	-3.791	-4.177	-6.521	-7.009	-7.516	-8.829	-9.493
	-10.30	-11.00	-12.09	-13.04	-13.89	-14.65	-15.48	-16.77	-18.60	-20.71
	-23.01	-14.45	-6.113	1.970						
0 31	15.95	6.362	-2.479	-4.136	-4.730	-5.106	-5.400	-5.663	-5.676	-5.540
	-5.826	-6.114	-6.277	-6.419	-6.551	-6.681	-6.812	-6.942	-7.065	-7.169
	-7.251	-7.341	-7.415	-7.447	-7.513	-7.552	-7.481	-7.512	-7.498	-7.205
	-7.192	-7.128	-6.339	-6.306	-6.282	-4.391	-4.446	-4.859	-7.286	-7.974
	-9.284	-10.05	-11.50	-12.68	-13.65	-14.45	-15.34	-16.68	-18.50	-20.62
	-22.72	-14.38	-6.086	1.970						
0 32	15.95	6.022	-3.403	-4.583	-4.962	-5.236	-5.482	-5.727	-5.818	-5.818
	-6.055	-6.284	-6.426	-6.557	-6.685	-6.813	-6.943	-7.073	-7.201	-7.321
	-7.431	-7.545	-7.651	-7.741	-7.844	-7.932	-7.978	-8.060	-8.114	-8.059
	-8.106	-8.109	-7.829	-7.833	-7.786	-7.005	-6.989	-6.985	-5.103	-5.345
	-7.739	-8.432	-10.53	-12.09	-13.27	-14.11	-15.11	-16.55	-18.38	-20.52
	-22.46	-14.31	-6.058	1.970						
0 33	15.95	5.674	-4.418	-5.040	-5.196	-5.368	-5.564	-5.788	-5.922	-5.993
	-6.203	-6.397	-6.525	-6.649	-6.773	-6.898	-7.027	-7.157	-7.288	-7.416
	-7.542	-7.670	-7.796	-7.918	-8.044	-8.165	-8.270	-8.388	-8.492	-8.554
	-8.652	-8.724	-8.685	-8.749	-8.770	-8.504	-8.526	-8.492	-7.698	-7.518
	-5.568	-5.719	-8.912	-11.11	-12.65	-13.53	-14.73	-16.36	-18.20	-20.39
	-22.28	-14.24	-6.028	1.970						
0 34	15.95	5.326	-5.513	-5.498	-5.430	-5.501	-5.645	-5.845	-6.001	-6.108
	-6.301	-6.475	-6.593	-6.712	-6.833	-6.956	-7.083	-7.213	-7.345	-7.478
	-7.612	-7.749	-7.887	-8.025	-8.166	-8.307	-8.443	-8.585	-8.722	-8.843
	-8.978	-9.099	-9.178	-9.294	-9.383	-9.361	-9.442	-9.473	-9.186	-9.043
	-8.238	-8.246	-6.298	-9.479	-11.63	-12.53	-14.11	-16.07	-17.92	-20.23
	-22.16	-14.16	-5.996	1.970						
0 35	15.95	4.985	-6.651	-5.950	-5.664	-5.633	-5.726	-5.901	-6.065	-6.189

	-6.569	-6.747	-6.868	-6.993	-7.122	-7.254	-7.391	-7.532	-7.678	-7.828
	-7.983	-8.144	-8.309	-8.480	-8.656	-8.837	-9.023	-9.216	-9.414	-9.618
	-9.828	-10.04	-10.27	-10.50	-10.73	-10.97	-11.22	-11.48	-11.74	-12.01
	-12.29	-12.72	-13.33	-13.97	-14.65	-15.38	-16.14	-17.38	-19.24	-21.32
	-23.04	-14.87	-6.343	1.968						
0 12	15.96	8.037	1.356	-1.995	-3.671	-4.612	-5.228	-5.714	-6.054	-6.282
	-6.516	-6.699	-6.823	-6.951	-7.082	-7.217	-7.356	-7.498	-7.645	-7.797
	-7.953	-8.115	-8.282	-8.454	-8.631	-8.812	-9.000	-9.193	-9.392	-9.597
	-9.808	-10.03	-10.25	-10.48	-10.72	-10.96	-11.21	-11.47	-11.73	-12.00
	-12.28	-12.71	-13.32	-13.97	-14.66	-15.38	-16.16	-17.39	-19.26	-21.34
	-22.96	-14.89	-6.357	1.969						
0 13	15.96	8.457	2.134	-1.414	-3.313	-4.397	-5.092	-5.623	-5.983	-6.222
	-6.465	-6.653	-6.780	-6.911	-7.045	-7.181	-7.321	-7.464	-7.611	-7.764
	-7.922	-8.085	-8.254	-8.428	-8.606	-8.788	-8.975	-9.169	-9.369	-9.575
	-9.787	-10.01	-10.23	-10.46	-10.70	-10.94	-11.19	-11.45	-11.72	-11.99
	-12.27	-12.71	-13.32	-13.97	-14.65	-15.39	-16.16	-17.41	-19.28	-21.39
	-23.32	-14.93	-6.370	1.969						
0 14	15.96	8.794	2.737	-0.9399	-3.010	-4.210	-4.970	-5.538	-5.918	-6.167
	-6.417	-6.609	-6.740	-6.873	-7.011	-7.148	-7.287	-7.428	-7.571	-7.727
	-7.887	-8.051	-8.225	-8.403	-8.583	-8.764	-8.949	-9.142	-9.343	-9.551
	-9.764	-9.983	-10.21	-10.44	-10.68	-10.92	-11.18	-11.43	-11.70	-11.97
	-12.26	-12.69	-13.31	-13.96	-14.65	-15.38	-16.16	-17.41	-19.30	-21.44
	-23.90	-14.97	-6.380	1.969						
0 15	15.97	9.052	3.189	-0.5700	-2.767	-4.056	-4.860	-5.458	-5.856	-6.115
	-6.372	-6.568	-6.701	-6.839	-6.985	-7.127	-7.264	-7.399	-7.526	-7.680
	-7.844	-8.004	-8.195	-8.383	-8.570	-8.741	-8.920	-9.106	-9.311	-9.524
	-9.740	-9.960	-10.19	-10.42	-10.66	-10.90	-11.16	-11.42	-11.68	-11.96
	-12.24	-12.68	-13.29	-13.95	-14.64	-15.37	-16.16	-17.41	-19.30	-21.45
	-23.50	-14.98	-6.386	1.969						
0 16	15.97	9.237	3.506	-0.3018	-2.585	-3.935	-4.754	-5.373	-5.794	-6.065
	-6.329	-6.529	-6.664	-6.804	-6.955	-7.102	-7.239	-7.375	-7.511	-7.656
	-7.800	-7.925	-8.142	-8.377	-8.591	-8.728	-8.891	-9.056	-9.265	-9.494
	-9.714	-9.936	-10.16	-10.40	-10.63	-10.88	-11.13	-11.39	-11.66	-11.94
	-12.22	-12.66	-13.27	-13.93	-14.62	-15.36	-16.14	-17.40	-19.30	-21.44
	-23.32	-14.98	-6.388	1.969						
0 17	15.97	9.351	3.699	-0.1331	-2.466	-3.847	-4.630	-5.259	-5.724	-6.014
	-6.288	-6.491	-6.627	-6.768	-6.922	-7.086	-7.216	-7.348	-7.487	-7.631
	-7.771	-7.892	-8.108	-8.355	-8.576	-8.707	-8.866	-9.026	-9.233	-9.466
	-9.688	-9.910	-10.14	-10.37	-10.61	-10.86	-11.11	-11.37	-11.64	-11.91
	-12.20	-12.64	-13.25	-13.91	-14.60	-15.34	-16.13	-17.38	-19.28	-21.45
	-23.57	-14.99	-6.387	1.969						
0 18	15.97	9.396	3.776	-6.2142E-02	-2.410	-3.788	-4.417	-5.045	-5.618	-5.953
	-6.244	-6.451	-6.587	-6.722	-6.845	-7.022	-7.213	-7.325	-7.461	-7.603
	-7.740	-7.870	-8.086	-8.337	-8.544	-8.677	-8.836	-8.997	-9.204	-9.437
	-9.660	-9.883	-10.11	-10.34	-10.58	-10.83	-11.08	-11.34	-11.61	-11.89
	-12.17	-12.61	-13.23	-13.88	-14.58	-15.32	-16.10	-17.36	-19.26	-21.45
	-24.04	-15.00	-6.381	1.969						
0 19	15.97	9.373	3.737	-8.8339E-02	-2.418	-3.752	-3.926	-4.538	-5.411	-5.860
	-6.190	-6.402	-6.540	-6.677	-6.814	-6.959	-7.128	-7.270	-7.414	-7.556
	-7.675	-7.903	-8.099	-8.364	-8.489	-8.638	-8.802	-8.964	-9.173	-9.407
	-9.630	-9.854	-10.08	-10.32	-10.56	-10.80	-11.06	-11.32	-11.58	-11.86
	-12.14	-12.58	-13.20	-13.85	-14.55	-15.29	-16.07	-17.33	-19.23	-21.40
	-23.53	-14.96	-6.369	1.969						
0 20	15.97	9.282	3.581	-0.2120	-2.489	-3.731	-2.642	-3.210	-4.932	-5.688
	-6.104	-6.325	-6.464	-6.602	-6.741	-6.885	-7.036	-7.184	-7.334	-7.479
	-7.599	-7.874	-8.071	-8.324	-8.438	-8.592	-8.761	-8.927	-9.138	-9.373
	-9.596	-9.820	-10.05	-10.28	-10.52	-10.77	-11.02	-11.28	-11.55	-11.83
	-12.11	-12.55	-13.17	-13.82	-14.51	-15.25	-16.03	-17.29	-19.19	-21.35
	-23.25	-14.92	-6.353	1.969						
0 21	15.97	9.120	3.303	-0.4342	-2.624	-3.738	0.7402	0.2746	-3.770	-5.329
	-5.936	-6.165	-6.302	-6.439	-6.578	-6.720	-6.867	-7.018	-7.175	-7.335
	-7.476	-7.811	-8.013	-8.237	-8.364	-8.531	-8.709	-8.883	-9.093	-9.326
	-9.551	-9.777	-10.01	-10.24	-10.48	-10.73	-10.99	-11.25	-11.52	-11.79
	-12.07	-12.51	-13.13	-13.78	-14.47	-15.21	-15.99	-17.24	-19.13	-21.30
	-23.41	-14.89	-6.332	1.969						
0 22	15.96	8.886	2.892	-0.7571	-2.824	-3.916	-2.731	-3.045	-1.000	-4.573
	-5.571	-5.775	-5.899	-6.030	-6.167	-6.309	-6.456	-6.611	-6.781	-6.980
	-7.210	-7.392	-7.634	-7.962	-8.181	-8.387	-8.597	-8.805	-9.018	-9.246
	-9.475	-9.707	-9.943	-10.18	-10.43	-10.68	-10.94	-11.20	-11.47	-11.75
	-12.03	-12.47	-13.09	-13.74	-14.43	-15.16	-15.94	-17.18	-19.07	-21.24
	-23.78	-14.85	-6.306	1.968						
0 23	15.94	8.576	2.330	-1.183	-3.084	-4.120	-4.112	-4.288	1.277	-3.072

1 0 1 0

1 HEAD IN LAYER 1 AT END OF TIME STEP 1 IN STRESS PERIOD 20

	1	2	3	4	5	6	7	8	9	10
	11	12	13	14	15	16	17	18	19	20
	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48	49	50
	51	52	53	54						
0 1	15.95	4.712	-4.776	-7.402	-7.848	-7.704	-7.486	-7.361	-7.371	-7.414
	-7.493	-7.577	-7.641	-7.714	-7.794	-7.882	-7.978	-8.081	-8.191	-8.308
	-8.432	-8.562	-8.699	-8.843	-8.992	-9.148	-9.310	-9.477	-9.651	-9.830
	-10.01	-10.20	-10.40	-10.60	-10.80	-11.01	-11.23	-11.45	-11.67	-11.90
	-12.13	-12.48	-12.96	-13.45	-13.94	-14.44	-14.92	-15.61	-16.33	-16.55
	-15.44	-10.59	-4.468	1.975						
0 2	15.89	2.812	-10.95	-9.576	-8.538	-7.883	-7.490	-7.313	-7.316	-7.360
	-7.441	-7.528	-7.594	-7.669	-7.752	-7.843	-7.940	-8.046	-8.158	-8.278
	-8.404	-8.536	-8.676	-8.821	-8.973	-9.131	-9.295	-9.465	-9.640	-9.821
	-10.01	-10.20	-10.40	-10.60	-10.81	-11.02	-11.24	-11.46	-11.69	-11.92
	-12.16	-12.52	-13.01	-13.52	-14.04	-14.57	-15.10	-15.90	-16.94	-17.95
	-18.94	-11.91	-4.924	1.951						
0 3	15.94	2.080	-11.70	-10.40	-8.827	-7.896	-7.406	-7.209	-7.219	-7.269
	-7.358	-7.452	-7.523	-7.602	-7.689	-7.783	-7.885	-7.994	-8.110	-8.233
	-8.362	-8.498	-8.641	-8.790	-8.944	-9.105	-9.272	-9.445	-9.624	-9.808
	-9.998	-10.19	-10.39	-10.60	-10.81	-11.03	-11.25	-11.48	-11.71	-11.95
	-12.19	-12.56	-13.08	-13.61	-14.16	-14.73	-15.31	-16.22	-17.49	-18.84
	-19.77	-12.72	-5.295	1.972						
0 4	15.93	1.582	-14.49	-10.91	-8.883	-7.821	-7.301	-7.110	-7.132	-7.191
	-7.289	-7.389	-7.464	-7.546	-7.637	-7.735	-7.840	-7.952	-8.071	-8.196
	-8.329	-8.467	-8.612	-8.763	-8.921	-9.084	-9.253	-9.428	-9.609	-9.796
	-9.988	-10.19	-10.39	-10.60	-10.81	-11.03	-11.26	-11.49	-11.73	-11.97
	-12.22	-12.60	-13.13	-13.68	-14.25	-14.84	-15.46	-16.43	-17.86	-19.53
	-21.70	-13.34	-5.541	1.972						
0 5	15.93	1.602	-13.28	-10.78	-8.713	-7.636	-7.138	-6.978	-7.023	-7.095
	-7.205	-7.313	-7.393	-7.480	-7.575	-7.677	-7.786	-7.902	-8.025	-8.154
	-8.289	-8.431	-8.578	-8.732	-8.892	-9.058	-9.230	-9.408	-9.592	-9.781
	-9.976	-10.18	-10.38	-10.60	-10.81	-11.04	-11.27	-11.50	-11.74	-11.99
	-12.24	-12.63	-13.18	-13.74	-14.34	-14.96	-15.61	-16.64	-18.19	-19.99
	-21.60	-13.75	-5.753	1.971						
0 6	15.94	1.787	-14.36	-10.41	-8.318	-7.332	-6.914	-6.815	-6.892	-6.983
	-7.109	-7.227	-7.313	-7.406	-7.506	-7.613	-7.726	-7.846	-7.973	-8.105
	-8.244	-8.389	-8.540	-8.697	-8.860	-9.029	-9.203	-9.384	-9.570	-9.762
	-9.960	-10.16	-10.37	-10.59	-10.81	-11.04	-11.27	-11.51	-11.76	-12.01
	-12.27	-12.67	-13.22	-13.81	-14.42	-15.07	-15.75	-16.84	-18.49	-20.48
	-22.99	-14.18	-5.936	1.970						
0 7	15.94	2.569	-11.48	-9.294	-7.662	-6.911	-6.634	-6.623	-6.743	-6.857
	-7.002	-7.131	-7.224	-7.324	-7.430	-7.542	-7.660	-7.785	-7.915	-8.052
	-8.195	-8.343	-8.497	-8.657	-8.823	-8.995	-9.173	-9.356	-9.545	-9.740
	-9.941	-10.15	-10.36	-10.58	-10.80	-11.03	-11.27	-11.52	-11.77	-12.02
	-12.29	-12.69	-13.26	-13.86	-14.50	-15.16	-15.87	-17.01	-18.73	-20.74
	-22.50	-14.40	-6.074	1.970						
0 8	15.94	3.566	-10.57	-7.907	-6.804	-6.395	-6.310	-6.410	-6.580	-6.721
	-6.887	-7.029	-7.130	-7.237	-7.349	-7.467	-7.590	-7.720	-7.855	-7.995
	-8.141	-8.293	-8.451	-8.614	-8.783	-8.958	-9.138	-9.324	-9.516	-9.713
	-9.917	-10.13	-10.34	-10.56	-10.79	-11.03	-11.27	-11.52	-11.77	-12.03
	-12.30	-12.71	-13.29	-13.91	-14.56	-15.25	-15.98	-17.15	-18.93	-21.05
	-23.61	-14.66	-6.185	1.969						
0 9	15.95	5.141	-5.272	-5.848	-5.786	-5.823	-5.962	-6.186	-6.412	-6.581
	-6.769	-6.925	-7.033	-7.147	-7.266	-7.389	-7.518	-7.652	-7.791	-7.936
	-8.085	-8.241	-8.401	-8.568	-8.739	-8.917	-9.099	-9.288	-9.482	-9.683
	-9.889	-10.10	-10.32	-10.54	-10.78	-11.01	-11.26	-11.51	-11.77	-12.03
	-12.30	-12.73	-13.32	-13.94	-14.61	-15.31	-16.06	-17.26	-19.08	-21.15
	-22.86	-14.73	-6.260	1.969						
0 10	15.92	6.640	-1.489	-3.881	-4.761	-5.247	-5.616	-5.966	-6.245	-6.443
	-6.653	-6.821	-6.937	-7.058	-7.182	-7.311	-7.445	-7.583	-7.726	-7.875
	-8.028	-8.186	-8.349	-8.518	-8.692	-8.872	-9.057	-9.248	-9.445	-9.648
	-9.856	-10.07	-10.29	-10.52	-10.75	-10.99	-11.24	-11.49	-11.76	-12.02
	-12.30	-12.73	-13.33	-13.97	-14.64	-15.36	-16.12	-17.34	-19.19	-21.32
	-23.74	-14.87	-6.318	1.943						
0 11	15.96	7.532	0.3734	-2.683	-4.080	-4.853	-5.377	-5.811	-6.128	-6.344

```
0

         TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 19
                              SECONDS        MINUTES        HOURS          DAYS           YEARS
                          ---------------------------------------------------------------------------
     TIME STEP LENGTH        0.157680E+08   262800.        4380.00        182.500        0.499658
   STRESS PERIOD TIME        0.157680E+08   262800.        4380.00        182.500        0.499658
 TOTAL SIMULATION TIME       0.299592E+09   0.499320E+07   83220.0        3467.50         9.49350
1
1                                                STRESS PERIOD NO.  20, LENGTH =  0.1576800E+08
                                                 ---------------------------------------------

                                                 NUMBER OF TIME STEPS =     1

                                                  MULTIPLIER FOR DELT =     1.000

                                                INITIAL TIME STEP SIZE =  0.1576800E+08
0            21 WELLS
                                               LAYER    ROW    COL    STRESS RATE   WELL NO.
                                               ---------------------------------------------
                                                 2       2      3     -6.6900          1
                                                 2       4      3     -6.6900          2
                                                 2       6      3     -6.6900          3
                                                 2       8      3     -6.6600          4
                                                 2      37      3     -6.6900          5
                                                 2      41      3     -6.6900          6
                                                 2      43      3     -6.6900          7
                                                 2      45      3     -6.6900          8
                                                 2       2     51     -3.3400          9
                                                 2       4     51     -3.3400         10
                                                 2       6     51     -3.3400         11
                                                 2       8     51     -3.3400         12
                                                 2      10     51     -3.3400         13
                                                 2      14     51     -3.3400         14
                                                 2      18     51     -3.3400         15
                                                 2      22     51     -3.3400         16
                                                 2      29     51     -3.3400         17
                                                 2      37     51     -3.3400         18
                                                 2      41     51     -3.3400         19
                                                 2      43     51     -3.3400         20
                                                 2      45     51     -3.3400         21
0                                                                  RECHARGE =  0.0000000
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 20
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.21     (  2, 43,  3)  -9.485     (  2,  3,  4)  -8.857     (  1, 45,  4)  -9.110     (  2, 35, 49)  -9.604     (  2, 10, 40
   0.7205     (  1, 39, 50) -0.7370     (  1,  2, 50) -0.5736     (  2, 23, 17)  -2.691     (  2, 28, 21)  -2.713     (  2, 16, 41
   0.2080     (  1, 29, 31)  0.1445     (  2,  4, 49) -0.2896     (  1, 39, 49)  0.8597     (  2, 33, 31)  0.6236     (  2, 18, 21
  -0.4828E-01 (  1, 29, 31) -0.5791E-01 (  2, 38, 34) -0.1315     (  2, 33, 31) -0.3788     (  2, 26, 28) -0.1975     (  2, 23, 43
   0.1718E-01 (  1, 28, 29) -0.2669E-01 (  2,  7, 26)  0.7736E-01 (  2, 22, 26)  0.7710E-01 (  2, 41, 28)  0.1219     (  2, 23, 14
  -0.2132E-01 (  2, 12,  8)  0.3482E-01 (  2, 12, 17)  0.3073E-01 (  2, 13, 19)  0.1199     (  2, 18, 23) -0.6011E-01 (  2, 23, 28
  -0.7630E-02 (  2,  8, 11) -0.1163E-01 (  2,  7, 12) -0.3739E-01 (  2, 17, 22)  0.1619E-01 (  2, 40, 13)  0.5535E-01 (  2, 14, 20
   0.1195E-01 (  2, 11,  8)  0.1951E-01 (  2, 19, 12) -0.1349E-01 (  2, 25, 30) -0.6957E-01 (  2, 17, 24)  0.3291E-01 (  2, 22, 28
   0.3788E-02 (  2,  8, 13)  0.6135E-02 (  2,  7, 13)  0.2029E-01 (  2, 16, 23) -0.1258E-01 (  2, 39, 16) -0.2938E-01 (  2, 13, 21
  -0.6927E-02 (  2, 10,  8) -0.1133E-01 (  2, 18, 12)  0.8013E-02 (  2, 24, 30)  0.3756E-01 (  2, 17, 25) -0.1767E-01 (  2, 22, 30
  -0.2132E-02 (  2,  8, 14) -0.3493E-02 (  2, 17, 25) -0.1114E-01 (  2, 16, 24)  0.6404E-02 (  2, 22, 29) -0.1703E-01 (  2, 19, 14
   0.3993E-02 (  2, 10,  8)  0.6541E-02 (  2, 13, 10) -0.4502E-02 (  2, 24, 31) -0.2088E-01 (  2, 16, 26)  0.1034E-01 (  2, 11, 22
   0.1279E-02 (  2,  8, 16)  0.2180E-02 (  2, 18, 26)  0.6222E-02 (  2, 17, 26)  0.3342E-02 (  2,  9,  8)  0.1061E-01 (  2, 19, 15
  -0.2251E-02 (  2, 10,  9) -0.3859E-02 (  1, 11,  9)  0.2652E-02 (  2, 12, 23)  0.1180E-01 (  2, 16, 27) -0.6601E-02 (  2, 11, 23
  -0.7929E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
OOUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:
   HEAD    DRAWDOWN  HEAD  DRAWDOWN
 PRINTOUT  PRINTOUT  SAVE    SAVE
 ---------------------------------
```

```
     TIME STEP LENGTH        0.157680E+08    262800.        4380.00        182.500        0.499658
   STRESS PERIOD TIME        0.157680E+08    262800.        4380.00        182.500        0.499658
 TOTAL SIMULATION TIME       0.283824E+09   0.473040E+07    78840.0        3285.00         8.99384
1
1                                                STRESS PERIOD NO.  19, LENGTH =  0.1576800E+08
                                                 ---------------------------------------------

                                                 NUMBER OF TIME STEPS =     1

                                                  MULTIPLIER FOR DELT =     1.000

                                                INITIAL TIME STEP SIZE =  0.1576800E+08
0             2 WELLS
                                               LAYER    ROW    COL    STRESS RATE   WELL NO.
                                               ---------------------------------------------
                                                 1      16     16     0.10000E-03       1
                                                 1      16     18     0.11000E-02       2
0                                                                   RECHARGE =  0.4750000E-07
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 19
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    15.24     (  2, 43,  3)   9.507     (  2,  3,  4)   8.842     (  1, 15, 51)   9.095     (  2, 35, 49)   9.618     (  2, 10, 40)
  -0.6635     (  1, 39, 50)  0.7336     (  1,  2, 50)  0.5744     (  2, 23, 17)   2.691     (  2, 28, 21)   2.707     (  2, 16, 41)
  -0.1555     (  1, 28, 29) -0.1451     (  2,  4, 49)  0.2876     (  1, 39, 49) -0.8610     (  2, 33, 31) -0.6252     (  2, 18, 21)
   0.3644E-01 (  1, 28, 28)  0.5802E-01 (  2, 38, 34)  0.1319     (  2, 33, 31)  0.3796     (  2, 26, 28)  0.1978     (  2, 23, 43)
   0.1620E-01 (  2, 20, 10)  0.2677E-01 (  2,  7, 26) -0.7742E-01 (  2, 22, 26) -0.7744E-01 (  2, 41, 28) -0.1221     (  2, 23, 14)
   0.2132E-01 (  2, 12,  8) -0.3482E-01 (  2, 12, 17) -0.3073E-01 (  2, 13, 19) -0.1196     (  2, 18, 23)  0.6010E-01 (  2, 23, 28)
   0.7637E-02 (  2,  8, 11)  0.1162E-01 (  2,  7, 12)  0.3734E-01 (  2, 17, 22) -0.1609E-01 (  2, 40, 13) -0.5532E-01 (  2, 14, 20)
  -0.1194E-01 (  2, 11,  8) -0.1949E-01 (  2, 19, 12)  0.1344E-01 (  2, 25, 30)  0.6943E-01 (  2, 17, 24) -0.3286E-01 (  2, 22, 28)
  -0.3786E-02 (  2,  8, 13) -0.6126E-02 (  2,  7, 13) -0.2024E-01 (  2, 16, 23)  0.1253E-01 (  2, 39, 16)  0.2932E-01 (  2, 14, 21)
   0.6914E-02 (  2, 10,  8)  0.1131E-01 (  2, 18, 12) -0.7986E-02 (  2, 24, 30) -0.3745E-01 (  2, 17, 25)  0.1763E-01 (  2, 23, 30)
   0.2127E-02 (  2,  8, 14)  0.3486E-02 (  2, 17, 25)  0.1111E-01 (  2, 16, 24) -0.6395E-02 (  2, 22, 29)  0.1694E-01 (  2, 19, 14)
  -0.3987E-02 (  2, 10,  8) -0.6515E-02 (  2, 13, 10)  0.4492E-02 (  2, 24, 31)  0.2080E-01 (  2, 16, 26) -0.1029E-01 (  2, 11, 22)
  -0.1275E-02 (  2,  8, 15) -0.2176E-02 (  2, 18, 26) -0.6202E-02 (  2, 17, 26) -0.3325E-02 (  2,  9,  8) -0.1054E-01 (  2, 19, 15)
   0.2242E-02 (  2, 10,  9)  0.3840E-02 (  2, 12, 10) -0.2635E-02 (  2, 12, 23) -0.1175E-01 (  2, 16, 27)  0.6567E-02 (  2, 11, 23)
   0.7900E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                         VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 19
                         ---------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                          ------------------------

                       IN:                                                          IN:
                       ---                                                          ---
                         STORAGE =   0.15992E+10                                      STORAGE =   0.00000
                   CONSTANT HEAD =   0.00000                                    CONSTANT HEAD =   0.00000
                           WELLS =   0.25591E+06                                        WELLS =   0.12000E-02
                        RECHARGE =   0.51770E+09                                     RECHARGE =    3.2832
                   RIVER LEAKAGE =   0.29923E+09                                RIVER LEAKAGE =   0.99880
                  HEAD DEP BOUNDS =  0.13108E+11                               HEAD DEP BOUNDS =    7.0615
0                       TOTAL IN =   0.15524E+11                                     TOTAL IN =    11.345
0                      OUT:                                                         OUT:
                       ----                                                         ----
                         STORAGE =   0.17428E+10                                      STORAGE =    11.176
                   CONSTANT HEAD =   0.00000                                    CONSTANT HEAD =   0.00000
                           WELLS =   0.13753E+11                                        WELLS =   0.00000
                        RECHARGE =   0.00000                                     RECHARGE =   0.00000
                   RIVER LEAKAGE =   0.00000                                RIVER LEAKAGE =   0.00000
                  HEAD DEP BOUNDS =  0.28715E+08                               HEAD DEP BOUNDS =   0.16894
0                      TOTAL OUT =   0.15524E+11                                    TOTAL OUT =    11.345
0                       IN - OUT =    11264.                                       IN - OUT =  -0.66757E-05
0              PERCENT DISCREPANCY =              0.00                       PERCENT DISCREPANCY =              0.00
```

```
                                        2      10      51      -3.3400          13
                                        2      14      51      -3.3400          14
                                        2      18      51      -3.3400          15
                                        2      22      51      -3.3400          16
                                        2      29      51      -3.3400          17
                                        2      37      51      -3.3400          18
                                        2      41      51      -3.3400          19
                                        2      43      51      -3.3400          20
                                        2      45      51      -3.3400          21
0                                                          RECHARGE =  0.0000000
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 18
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.21     (  2, 43,  3)  -9.485     (  2,  3,  4)  -8.857     (  1, 45,  4)  -9.110     (  2, 35, 49)  -9.604     (  2, 10, 40)
   0.7205     (  1, 39, 50) -0.7370     (  1,  2, 50) -0.5736     (  2, 23, 17)  -2.691     (  2, 28, 21)  -2.713     (  2, 16, 41)
   0.2080     (  1, 29, 31)  0.1445     (  2,  4, 49) -0.2896     (  1, 39, 49)  0.8597     (  2, 33, 31)  0.6235     (  2, 18, 21)
  -0.4827E-01 (  1, 29, 31) -0.5790E-01 (  2, 38, 34) -0.1315     (  2, 33, 31) -0.3788     (  2, 26, 28) -0.1975     (  2, 23, 43)
   0.1718E-01 (  1, 28, 29) -0.2668E-01 (  2,  7, 26)  0.7734E-01 (  2, 22, 26)  0.7710E-01 (  2, 41, 28)  0.1218     (  2, 23, 14)
  -0.2131E-01 (  2, 12,  8)  0.3481E-01 (  2, 12, 17)  0.3072E-01 (  2, 13, 19)  0.1199     (  2, 18, 23) -0.6009E-01 (  2, 23, 28)
  -0.7628E-02 (  2,  8, 11) -0.1163E-01 (  2,  7, 12) -0.3738E-01 (  2, 17, 22)  0.1619E-01 (  2, 40, 13)  0.5533E-01 (  2, 14, 20)
   0.1194E-01 (  2, 11,  8)  0.1951E-01 (  2, 19, 12) -0.1348E-01 (  2, 25, 30) -0.6954E-01 (  2, 17, 24)  0.3290E-01 (  2, 22, 28)
   0.3787E-02 (  2,  8, 13)  0.6133E-02 (  2,  7, 13)  0.2028E-01 (  2, 16, 23) -0.1258E-01 (  2, 39, 16) -0.2937E-01 (  2, 13, 21)
  -0.6924E-02 (  2, 10,  8) -0.1133E-01 (  2, 18, 12)  0.8008E-02 (  2, 24, 30)  0.3754E-01 (  2, 17, 25) -0.1766E-01 (  2, 22, 30)
  -0.2131E-02 (  2,  8, 14) -0.3491E-02 (  2, 17, 25) -0.1113E-01 (  2, 16, 24)  0.6402E-02 (  2, 22, 29) -0.1702E-01 (  2, 19, 14)
   0.3991E-02 (  2, 10,  8)  0.6539E-02 (  2, 13, 10) -0.4499E-02 (  2, 24, 31) -0.2087E-01 (  2, 16, 26)  0.1033E-01 (  2, 11, 22)
   0.1279E-02 (  2,  8, 16)  0.2179E-02 (  2, 18, 26)  0.6219E-02 (  2, 17, 26)  0.3341E-02 (  2,  9,  8)  0.1060E-01 (  2, 19, 15)
  -0.2251E-02 (  2, 10,  9) -0.3858E-02 (  1, 11,  9)  0.2650E-02 (  2, 12, 23)  0.1179E-01 (  2, 16, 27) -0.6598E-02 (  2, 11, 23)
  -0.7926E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                        VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 18
                        ---------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                          ------------------------

                       IN:                                                          IN:
                       ---                                                          ---
                            STORAGE =   0.15992E+10                                     STORAGE =    11.176
                     CONSTANT HEAD =    0.00000                                  CONSTANT HEAD =   0.00000
                             WELLS =    0.23699E+06                                      WELLS =   0.00000
                          RECHARGE =    0.46593E+09                                   RECHARGE =   0.00000
                     RIVER LEAKAGE =    0.28348E+09                              RIVER LEAKAGE =   0.99880
                   HEAD DEP BOUNDS =    0.12997E+11                            HEAD DEP BOUNDS =    84.735
0                        TOTAL IN =    0.15345E+11                                   TOTAL IN =    96.910
0                      OUT:                                                         OUT:
                       ----                                                         ----
                            STORAGE =   0.15666E+10                                     STORAGE =   0.00000
                     CONSTANT HEAD =    0.00000                                  CONSTANT HEAD =   0.00000
                             WELLS =    0.13753E+11                                      WELLS =    96.910
                          RECHARGE =    0.00000                                   RECHARGE =   0.00000
                     RIVER LEAKAGE =    0.00000                              RIVER LEAKAGE =   0.00000
                   HEAD DEP BOUNDS =    0.26051E+08                            HEAD DEP BOUNDS =   0.00000
0                       TOTAL OUT =    0.15345E+11                                  TOTAL OUT =    96.910
0                        IN - OUT =     11264.                                       IN - OUT =   0.53406E-04
0              PERCENT DISCREPANCY =                0.00                   PERCENT DISCREPANCY =                0.00


0


         TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 18
                              SECONDS        MINUTES         HOURS          DAYS           YEARS
                           ---------------------------------------------------------------------
```

```
  0.2126E-02 (  2,  8, 14)  0.3484E-02 (  2, 17, 25)  0.1111E-01 (  2, 16, 24) -0.6392E-02 (  2, 22, 29)  0.1693E-01 (  2, 19, 14
 -0.3985E-02 (  2, 10,  8) -0.6513E-02 (  2, 13, 10)  0.4490E-02 (  2, 24, 31)  0.2079E-01 (  2, 16, 26) -0.1028E-01 (  2, 11, 22
 -0.1274E-02 (  2,  8, 15) -0.2174E-02 (  2, 18, 26) -0.6200E-02 (  2, 17, 26) -0.3323E-02 (  2,  9,  8) -0.1053E-01 (  2, 19, 15
  0.2241E-02 (  2, 10,  9)  0.3838E-02 (  2, 12, 10) -0.2634E-02 (  2, 12, 23) -0.1175E-01 (  2, 16, 27)  0.6564E-02 (  2, 11, 23
  0.7896E-03 (  2,  8, 16)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                    VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 17
                    ------------------------------------------------------------------------------
0             CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
              ------------------                                            ------------------------

                   IN:                                                            IN:
                   ---                                                            ---
                     STORAGE =   0.14230E+10                                        STORAGE =   0.00000
             CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                     WELLS =   0.23699E+06                                          WELLS =   0.14700E-02
                  RECHARGE =   0.46593E+09                                       RECHARGE =    3.2832
             RIVER LEAKAGE =   0.26773E+09                                  RIVER LEAKAGE =   0.99880
            HEAD DEP BOUNDS =   0.11660E+11                                HEAD DEP BOUNDS =    7.0613
0                  TOTAL IN =   0.13817E+11                                       TOTAL IN =    11.345
0                 OUT:                                                           OUT:
                  ----                                                           ----
                     STORAGE =   0.15666E+10                                        STORAGE =    11.176
             CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                     WELLS =   0.12225E+11                                          WELLS =   0.00000
                  RECHARGE =   0.00000                                       RECHARGE =   0.00000
             RIVER LEAKAGE =   0.00000                                  RIVER LEAKAGE =   0.00000
            HEAD DEP BOUNDS =   0.26051E+08                                HEAD DEP BOUNDS =   0.16894
0                 TOTAL OUT =   0.13817E+11                                      TOTAL OUT =    11.345
0                  IN - OUT =    10240.                                         IN - OUT =  -0.19073E-04
0         PERCENT DISCREPANCY =                0.00                      PERCENT DISCREPANCY =                0.00


0


        TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 17
                              SECONDS        MINUTES        HOURS          DAYS          YEARS
                          ------------------------------------------------------------------------
     TIME STEP LENGTH       0.157680E+08    262800.        4380.00        182.500       0.499658
   STRESS PERIOD TIME       0.157680E+08    262800.        4380.00        182.500       0.499658
 TOTAL SIMULATION TIME      0.268056E+09   0.446760E+07    74460.0        3102.50        8.49418
1
1                                          STRESS PERIOD NO.  18, LENGTH =  0.1576800E+08
                                           ----------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0           21 WELLS
                                         LAYER    ROW    COL    STRESS RATE   WELL NO.
                                         ---------------------------------------------
                                           2       2      3     -6.6900          1
                                           2       4      3     -6.6900          2
                                           2       6      3     -6.6900          3
                                           2       8      3     -6.6600          4
                                           2      37      3     -6.6900          5
                                           2      41      3     -6.6900          6
                                           2      43      3     -6.6900          7
                                           2      45      3     -6.6900          8
                                           2       2     51     -3.3400          9
                                           2       4     51     -3.3400         10
                                           2       6     51     -3.3400         11
                                           2       8     51     -3.3400         12
```

```
0

                    VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 16
                    ---------------------------------------------------------------------------
0             CUMULATIVE VOLUMES      L**3                                RATES FOR THIS TIME STEP      L**3/T
              ------------------                                          ------------------------

                   IN:                                                          IN:
                   ---                                                          ---
                      STORAGE =   0.14230E+10                                      STORAGE =    11.176
                CONSTANT HEAD =   0.00000                                    CONSTANT HEAD =   0.00000
                        WELLS =   0.21381E+06                                        WELLS =   0.00000
                     RECHARGE =   0.41416E+09                                     RECHARGE =   0.00000
              RIVER LEAKAGE =   0.25199E+09                                  RIVER LEAKAGE =   0.99880
             HEAD DEP BOUNDS =   0.11549E+11                                HEAD DEP BOUNDS =    84.735
0                  TOTAL IN =   0.13638E+11                                       TOTAL IN =    96.910
0                  OUT:                                                         OUT:
                   ----                                                         ----
                      STORAGE =   0.13904E+10                                      STORAGE =   0.00000
                CONSTANT HEAD =   0.00000                                    CONSTANT HEAD =   0.00000
                        WELLS =   0.12225E+11                                        WELLS =    96.910
                     RECHARGE =   0.00000                                     RECHARGE =   0.00000
              RIVER LEAKAGE =   0.00000                                  RIVER LEAKAGE =   0.00000
             HEAD DEP BOUNDS =   0.23387E+08                                HEAD DEP BOUNDS =   0.00000
0                 TOTAL OUT =   0.13638E+11                                      TOTAL OUT =    96.910
0                  IN - OUT =    11264.                                         IN - OUT =   0.61035E-04
0          PERCENT DISCREPANCY =              0.00                      PERCENT DISCREPANCY =                0.00


0


        TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 16
                          SECONDS        MINUTES        HOURS         DAYS          YEARS
                        ---------------------------------------------------------------------
     TIME STEP LENGTH    0.157680E+08   262800.        4380.00       182.500       0.499658
   STRESS PERIOD TIME    0.157680E+08   262800.        4380.00       182.500       0.499658
 TOTAL SIMULATION TIME   0.252288E+09  0.420480E+07   70080.0       2920.00        7.99452
1
1                                          STRESS PERIOD NO.  17, LENGTH =  0.1576800E+08
                                           ----------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0            2 WELLS
                                         LAYER    ROW    COL    STRESS RATE   WELL NO.
                                         ---------------------------------------------
                                           1      16     16     0.10000E-03       1
                                           1      16     18     0.13700E-02       2
0                                                                RECHARGE =  0.4750000E-07
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
   71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 17
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------
   15.24     (  2, 43,  3)   9.507     (  2,  3,  4)   8.842     (  1, 15, 51)   9.095     (  2, 35, 49)   9.618     (  2, 10, 40)
  -0.6635    (  1, 39, 50)  0.7336     (  1,  2, 50)  0.5743     (  2, 23, 17)   2.691     (  2, 28, 21)   2.707     (  2, 16, 41)
  -0.1555    (  1, 28, 29) -0.1451     (  2,  4, 49)  0.2876     (  1, 39, 49) -0.8610     (  2, 33, 31) -0.6252     (  2, 18, 21)
   0.3644E-01 (  1, 28, 28)  0.5801E-01 (  2, 38, 34)  0.1319     (  2, 33, 31)  0.3796     (  2, 26, 28)  0.1977     (  2, 23, 43)
   0.1619E-01 (  2, 20, 10)  0.2676E-01 (  2,  7, 26) -0.7740E-01 (  2, 22, 26) -0.7744E-01 (  2, 41, 28) -0.1221     (  2, 23, 14)
   0.2132E-01 (  2, 12,  8) -0.3481E-01 (  2, 12, 17) -0.3072E-01 (  2, 13, 19) -0.1195     (  2, 18, 23)  0.6007E-01 (  2, 23, 28)
   0.7635E-02 (  2,  8, 11)  0.1162E-01 (  2,  7, 12)  0.3732E-01 (  2, 17, 22) -0.1609E-01 (  2, 40, 13) -0.5529E-01 (  2, 14, 20)
  -0.1193E-01 (  2, 11,  8) -0.1949E-01 (  2, 19, 12)  0.1343E-01 (  2, 25, 30)  0.6940E-01 (  2, 17, 24) -0.3284E-01 (  2, 22, 28)
  -0.3785E-02 (  2,  8, 13) -0.6124E-02 (  2,  7, 13) -0.2023E-01 (  2, 16, 23)  0.1253E-01 (  2, 39, 16)  0.2931E-01 (  2, 14, 21)
   0.6911E-02 (  2, 10,  8)  0.1131E-01 (  2, 18, 12) -0.7981E-02 (  2, 24, 30) -0.3744E-01 (  2, 17, 25)  0.1762E-01 (  2, 23, 30)
```

```
0              PERCENT DISCREPANCY =              0.00                          PERCENT DISCREPANCY =              0.00


0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 15
                                 SECONDS        MINUTES         HOURS          DAYS           YEARS
                              ----------------------------------------------------------------------
     TIME STEP LENGTH         0.157680E+08    262800.        4380.00        182.500        0.499658
   STRESS PERIOD TIME         0.157680E+08    262800.        4380.00        182.500        0.499658
 TOTAL SIMULATION TIME        0.236520E+09   0.394200E+07    65700.0        2737.50         7.49487
1
1                                          STRESS PERIOD NO.  16, LENGTH =  0.1576800E+08
                                           ----------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0            21 WELLS
                                          LAYER    ROW    COL    STRESS RATE   WELL NO.
                                          ----------------------------------------------
                                            2       2      3     -6.6900          1
                                            2       4      3     -6.6900          2
                                            2       6      3     -6.6900          3
                                            2       8      3     -6.6600          4
                                            2      37      3     -6.6900          5
                                            2      41      3     -6.6900          6
                                            2      43      3     -6.6900          7
                                            2      45      3     -6.6900          8
                                            2       2     51     -3.3400          9
                                            2       4     51     -3.3400         10
                                            2       6     51     -3.3400         11
                                            2       8     51     -3.3400         12
                                            2      10     51     -3.3400         13
                                            2      14     51     -3.3400         14
                                            2      18     51     -3.3400         15
                                            2      22     51     -3.3400         16
                                            2      29     51     -3.3400         17
                                            2      37     51     -3.3400         18
                                            2      41     51     -3.3400         19
                                            2      43     51     -3.3400         20
                                            2      45     51     -3.3400         21
0                                                          RECHARGE =  0.0000000
0REUSING RIVER REACHES FROM LAST STRESS PERIOD
0REUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 16
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.21     (  2, 43,  3)  -9.485     (  2,  3,  4)  -8.857     (  1, 45,  4)  -9.110     (  2, 35, 49)  -9.604     (  2, 10, 40)
   0.7205     (  1, 39, 50) -0.7370     (  1,  2, 50) -0.5736     (  2, 23, 17)  -2.691     (  2, 28, 21)  -2.713     (  2, 16, 41)
   0.2080     (  1, 29, 31)  0.1445     (  2,  4, 49) -0.2896     (  1, 39, 49)  0.8597     (  2, 33, 31)  0.6235     (  2, 18, 21)
  -0.4827E-01 (  1, 29, 31) -0.5790E-01 (  2, 38, 34) -0.1315     (  2, 33, 31) -0.3788     (  2, 26, 28) -0.1975     (  2, 23, 43)
   0.1718E-01 (  1, 28, 29) -0.2668E-01 (  2,  7, 26)  0.7734E-01 (  2, 22, 26)  0.7710E-01 (  2, 41, 28)  0.1218     (  2, 23, 14)
  -0.2131E-01 (  2, 12,  8)  0.3480E-01 (  2, 12, 17)  0.3072E-01 (  2, 13, 19)  0.1199     (  2, 18, 23) -0.6008E-01 (  2, 23, 28)
  -0.7627E-02 (  2,  8, 11) -0.1162E-01 (  2,  7, 12) -0.3737E-01 (  2, 17, 22)  0.1619E-01 (  2, 40, 13)  0.5532E-01 (  2, 14, 20)
   0.1194E-01 (  2, 11,  8)  0.1950E-01 (  2, 19, 12) -0.1348E-01 (  2, 25, 30) -0.6954E-01 (  2, 17, 24)  0.3289E-01 (  2, 22, 28)
   0.3787E-02 (  2,  8, 13)  0.6132E-02 (  2,  7, 13)  0.2028E-01 (  2, 16, 23) -0.1258E-01 (  2, 39, 16) -0.2936E-01 (  2, 13, 21)
  -0.6923E-02 (  2, 10,  8) -0.1133E-01 (  2, 18, 12)  0.8007E-02 (  2, 24, 30)  0.3754E-01 (  2, 17, 25) -0.1766E-01 (  2, 22, 30)
  -0.2131E-02 (  2,  8, 14) -0.3491E-02 (  2, 17, 25) -0.1113E-01 (  2, 16, 24)  0.6401E-02 (  2, 22, 29) -0.1702E-01 (  2, 19, 14)
   0.3991E-02 (  2, 10,  8)  0.6538E-02 (  2, 13, 10) -0.4499E-02 (  2, 24, 31) -0.2087E-01 (  2, 16, 26)  0.1033E-01 (  2, 11, 22)
   0.1279E-02 (  2,  8, 16)  0.2178E-02 (  2, 18, 26)  0.6218E-02 (  2, 17, 26)  0.3340E-02 (  2,  9,  8)  0.1060E-01 (  2, 19, 15)
  -0.2250E-02 (  2, 10,  9) -0.3857E-02 (  1, 11,  9)  0.2650E-02 (  2, 12, 23)  0.1179E-01 (  2, 16, 27) -0.6597E-02 (  2, 11, 23)
  -0.7925E-03 (  2,  8, 16)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
```

```
                              SECONDS        MINUTES        HOURS          DAYS           YEARS
                            ---------------------------------------------------------------------
     TIME STEP LENGTH        0.157680E+08   262800.        4380.00        182.500        0.499658
   STRESS PERIOD TIME        0.157680E+08   262800.        4380.00        182.500        0.499658
 TOTAL SIMULATION TIME       0.220752E+09  0.367920E+07    61320.0        2555.00         6.99521
1
1                                                STRESS PERIOD NO.  15, LENGTH =  0.1576800E+08
                                                 ----------------------------------------------

                                                 NUMBER OF TIME STEPS =     1

                                                  MULTIPLIER FOR DELT =     1.000

                                                INITIAL TIME STEP SIZE =  0.1576800E+08
0             2 WELLS
                                               LAYER    ROW    COL    STRESS RATE   WELL NO.
                                               ---------------------------------------------
                                                 1      16     16     0.10000E-03       1
                                                 1      16     18     0.14600E-02       2
0                                                                   RECHARGE =  0.4750000E-07
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 15
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------
    15.24      (  2, 43,  3)   9.507     (  2,  3,  4)   8.842     (  1, 15, 51)   9.095     (  2, 35, 49)   9.618     (  2, 10, 40
  -0.6635      (  1, 39, 50)  0.7336     (  1,  2, 50)  0.5743     (  2, 23, 17)   2.691     (  2, 28, 21)   2.707     (  2, 16, 41
  -0.1555      (  1, 28, 29) -0.1451     (  2,  4, 49)  0.2876     (  1, 39, 49) -0.8610     (  2, 33, 31) -0.6252     (  2, 18, 21
   0.3644E-01 (  1, 28, 28)  0.5800E-01 (  2, 38, 34)  0.1319     (  2, 33, 31)  0.3796     (  2, 26, 28)  0.1977     (  2, 23, 43
   0.1619E-01 (  2, 20, 10)  0.2676E-01 (  2,  7, 26) -0.7740E-01 (  2, 22, 26) -0.7743E-01 (  2, 41, 28) -0.1221     (  2, 23, 14
   0.2131E-01 (  2, 12,  8) -0.3481E-01 (  2, 12, 17) -0.3072E-01 (  2, 13, 19) -0.1195     (  2, 18, 23)  0.6006E-01 (  2, 23, 28
   0.7634E-02 (  2,  8, 11)  0.1162E-01 (  2,  7, 12)  0.3732E-01 (  2, 17, 22) -0.1608E-01 (  2, 40, 13) -0.5529E-01 (  2, 14, 20
  -0.1193E-01 (  2, 11,  8) -0.1948E-01 (  2, 19, 12)  0.1343E-01 (  2, 25, 30)  0.6939E-01 (  2, 17, 24) -0.3284E-01 (  2, 22, 28
  -0.3785E-02 (  2,  8, 13) -0.6124E-02 (  2,  7, 13) -0.2023E-01 (  2, 16, 23)  0.1253E-01 (  2, 39, 16)  0.2930E-01 (  2, 14, 21
   0.6911E-02 (  2, 10,  8)  0.1131E-01 (  2, 18, 12) -0.7980E-02 (  2, 24, 30) -0.3743E-01 (  2, 17, 25)  0.1762E-01 (  2, 23, 30
   0.2126E-02 (  2,  8, 14)  0.3484E-02 (  2, 17, 25)  0.1110E-01 (  2, 16, 24) -0.6392E-02 (  2, 22, 29)  0.1693E-01 (  2, 19, 14
  -0.3984E-02 (  2, 10,  8) -0.6512E-02 (  2, 13, 10)  0.4489E-02 (  2, 24, 31)  0.2079E-01 (  2, 16, 26) -0.1028E-01 (  2, 11, 22
  -0.1274E-02 (  2,  8, 15) -0.2174E-02 (  2, 18, 26) -0.6199E-02 (  2, 17, 26) -0.3323E-02 (  2,  9,  8) -0.1053E-01 (  2, 19, 15
   0.2241E-02 (  2, 10,  9)  0.3838E-02 (  2, 12, 10) -0.2634E-02 (  2, 12, 23) -0.1174E-01 (  2, 16, 27)  0.6563E-02 (  2, 11, 23
   0.7895E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                         VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 15
                         ----------------------------------------------------------------------------
0                   CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                    ------------------                                            ------------------------

                         IN:                                                           IN:
                         ---                                                           ---
                            STORAGE =   0.12468E+10                                       STORAGE =   0.00000
                      CONSTANT HEAD =   0.00000                                     CONSTANT HEAD =   0.00000
                              WELLS =   0.21381E+06                                         WELLS =   0.15600E-02
                           RECHARGE =   0.41416E+09                                      RECHARGE =    3.2832
                      RIVER LEAKAGE =   0.23624E+09                                 RIVER LEAKAGE =   0.99880
                    HEAD DEP BOUNDS =   0.10213E+11                               HEAD DEP BOUNDS =    7.0612
0                        TOTAL IN =   0.12110E+11                                      TOTAL IN =    11.345
0                       OUT:                                                          OUT:
                        ----                                                          ----
                            STORAGE =   0.13904E+10                                       STORAGE =    11.176
                      CONSTANT HEAD =   0.00000                                     CONSTANT HEAD =   0.00000
                              WELLS =   0.10697E+11                                         WELLS =   0.00000
                           RECHARGE =   0.00000                                      RECHARGE =   0.00000
                      RIVER LEAKAGE =   0.00000                                 RIVER LEAKAGE =   0.00000
                    HEAD DEP BOUNDS =   0.23387E+08                               HEAD DEP BOUNDS =   0.16894
0                       TOTAL OUT =   0.12110E+11                                      TOTAL OUT =    11.345
0                        IN - OUT =    10240.                                         IN - OUT =  -0.13351E-04
```

```
                                                  2       6     51     -3.3400          11
                                                  2       8     51     -3.3400          12
                                                  2      10     51     -3.3400          13
                                                  2      14     51     -3.3400          14
                                                  2      18     51     -3.3400          15
                                                  2      22     51     -3.3400          16
                                                  2      29     51     -3.3400          17
                                                  2      37     51     -3.3400          18
                                                  2      41     51     -3.3400          19
                                                  2      43     51     -3.3400          20
                                                  2      45     51     -3.3400          21
0                                                                   RECHARGE =  0.0000000
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 14
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.21     (  2, 43,  3)  -9.485     (  2,  3,  4)  -8.857     (  1, 45,  4)  -9.110     (  2, 35, 49)  -9.604     (  2, 10, 40)
   0.7205     (  1, 39, 50) -0.7370     (  1,  2, 50) -0.5736     (  2, 23, 17)  -2.691     (  2, 28, 21)  -2.713     (  2, 16, 41)
   0.2080     (  1, 29, 31)  0.1445     (  2,  4, 49) -0.2896     (  1, 39, 49)  0.8597     (  2, 33, 31)  0.6235     (  2, 18, 21)
  -0.4827E-01 (  1, 29, 31) -0.5790E-01 (  2, 38, 34) -0.1315     (  2, 33, 31) -0.3787     (  2, 26, 28) -0.1974     (  2, 23, 43)
   0.1718E-01 (  1, 28, 29) -0.2668E-01 (  2,  7, 26)  0.7733E-01 (  2, 22, 26)  0.7710E-01 (  2, 41, 28)  0.1218     (  2, 23, 14)
  -0.2131E-01 (  2, 12,  8)  0.3480E-01 (  2, 12, 17)  0.3072E-01 (  2, 13, 19)  0.1198     (  2, 18, 23) -0.6007E-01 (  2, 23, 28)
  -0.7627E-02 (  2,  8, 11) -0.1162E-01 (  2,  7, 12) -0.3737E-01 (  2, 17, 22)  0.1619E-01 (  2, 40, 13)  0.5531E-01 (  2, 14, 20)
   0.1194E-01 (  2, 11,  8)  0.1950E-01 (  2, 19, 12) -0.1348E-01 (  2, 25, 30) -0.6953E-01 (  2, 17, 24)  0.3289E-01 (  2, 22, 28)
   0.3787E-02 (  2,  8, 13)  0.6132E-02 (  2,  7, 13)  0.2027E-01 (  2, 16, 23) -0.1258E-01 (  2, 39, 16) -0.2936E-01 (  2, 13, 21)
  -0.6923E-02 (  2, 10,  8) -0.1133E-01 (  2, 18, 12)  0.8006E-02 (  2, 24, 30)  0.3753E-01 (  2, 17, 25) -0.1765E-01 (  2, 22, 30)
  -0.2130E-02 (  2,  8, 14) -0.3490E-02 (  2, 17, 25) -0.1113E-01 (  2, 16, 24)  0.6401E-02 (  2, 22, 29) -0.1702E-01 (  2, 19, 14)
   0.3990E-02 (  2, 10,  8)  0.6537E-02 (  2, 13, 10) -0.4498E-02 (  2, 24, 31) -0.2086E-01 (  2, 16, 26)  0.1033E-01 (  2, 11, 22)
   0.1279E-02 (  2,  8, 16)  0.2178E-02 (  2, 18, 26)  0.6217E-02 (  2, 17, 26)  0.3340E-02 (  2,  9,  8)  0.1060E-01 (  2, 19, 15)
  -0.2250E-02 (  2, 10,  9) -0.3857E-02 (  1, 11,  9)  0.2650E-02 (  2, 12, 23)  0.1179E-01 (  2, 16, 27) -0.6596E-02 (  2, 11, 23)
  -0.7924E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                        VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 14
                        ---------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                       IN:                                                            IN:
                       ---                                                            ---
                         STORAGE =   0.12468E+10                                        STORAGE =    11.176
                   CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =   0.18922E+06                                          WELLS =   0.00000
                        RECHARGE =   0.36239E+09                                       RECHARGE =   0.00000
                  RIVER LEAKAGE =   0.22049E+09                                  RIVER LEAKAGE =   0.99880
                 HEAD DEP BOUNDS =   0.10102E+11                                HEAD DEP BOUNDS =    84.735
0                       TOTAL IN =   0.11931E+11                                      TOTAL IN =    96.910
0                      OUT:                                                           OUT:
                       ----                                                           ----
                         STORAGE =   0.12142E+10                                        STORAGE =   0.00000
                   CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =   0.10697E+11                                          WELLS =    96.910
                        RECHARGE =   0.00000                                       RECHARGE =   0.00000
                  RIVER LEAKAGE =   0.00000                                      RIVER LEAKAGE =   0.00000
                 HEAD DEP BOUNDS =   0.20723E+08                                HEAD DEP BOUNDS =   0.00000
0                      TOTAL OUT =   0.11931E+11                                      TOTAL OUT =    96.910
0                       IN - OUT =    9216.0                                         IN - OUT =   0.76294E-04
0             PERCENT DISCREPANCY =                0.00                      PERCENT DISCREPANCY =                0.00


0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 14
```

```
 -0.3784E-02 (  2,  8, 13) -0.6123E-02 (  2,  7, 13) -0.2023E-01 (  2, 16, 23)  0.1253E-01 (  2, 39, 16)  0.2930E-01 (  2, 14, 21)
  0.6910E-02 (  2, 10,  8)  0.1131E-01 (  2, 18, 12) -0.7979E-02 (  2, 24, 30) -0.3743E-01 (  2, 17, 25)  0.1762E-01 (  2, 23, 30)
  0.2126E-02 (  2,  8, 14)  0.3483E-02 (  2, 17, 25)  0.1110E-01 (  2, 16, 24) -0.6391E-02 (  2, 22, 29)  0.1693E-01 (  2, 19, 14)
 -0.3984E-02 (  2, 10,  8) -0.6511E-02 (  2, 13, 10)  0.4489E-02 (  2, 24, 31)  0.2078E-01 (  2, 16, 26) -0.1028E-01 (  2, 11, 22)
 -0.1274E-02 (  2,  8, 15) -0.2174E-02 (  2, 18, 26) -0.6198E-02 (  2, 17, 26) -0.3323E-02 (  2,  9,  8) -0.1053E-01 (  2, 19, 15)
  0.2241E-02 (  2, 10,  9)  0.3837E-02 (  2, 12, 10) -0.2633E-02 (  2, 12, 23) -0.1174E-01 (  2, 16, 27)  0.6562E-02 (  2, 11, 23)
  0.7894E-03 (  2,  8, 16)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                    VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 13
                    ------------------------------------------------------------------------------
0             CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
              ------------------                                            ------------------------

                    IN:                                                           IN:
                    ---                                                           ---
                      STORAGE =   0.10705E+10                                       STORAGE =   0.00000
             CONSTANT HEAD =   0.00000                                     CONSTANT HEAD =   0.00000
                       WELLS =   0.18922E+06                                         WELLS =   0.16400E-02
                    RECHARGE =   0.36239E+09                                      RECHARGE =    3.2832
             RIVER LEAKAGE =   0.20474E+09                                 RIVER LEAKAGE =   0.99880
            HEAD DEP BOUNDS =   0.87655E+10                               HEAD DEP BOUNDS =    7.0611
0                  TOTAL IN =   0.10403E+11                                      TOTAL IN =    11.345
0                  OUT:                                                          OUT:
                    ----                                                          ----
                      STORAGE =   0.12142E+10                                       STORAGE =    11.176
             CONSTANT HEAD =   0.00000                                     CONSTANT HEAD =   0.00000
                       WELLS =   0.91685E+10                                         WELLS =   0.00000
                    RECHARGE =   0.00000                                      RECHARGE =   0.00000
             RIVER LEAKAGE =   0.00000                                     RIVER LEAKAGE =   0.00000
            HEAD DEP BOUNDS =   0.20723E+08                               HEAD DEP BOUNDS =   0.16894
0                 TOTAL OUT =   0.10403E+11                                     TOTAL OUT =    11.345
0                  IN - OUT =    8192.0                                        IN - OUT =  -0.18120E-04
0          PERCENT DISCREPANCY =              0.00                       PERCENT DISCREPANCY =                0.00


0


        TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 13
                              SECONDS        MINUTES        HOURS          DAYS          YEARS
                          ------------------------------------------------------------------------
     TIME STEP LENGTH       0.157680E+08    262800.       4380.00        182.500       0.499658
   STRESS PERIOD TIME       0.157680E+08    262800.       4380.00        182.500       0.499658
 TOTAL SIMULATION TIME      0.204984E+09   0.341640E+07   56940.0        2372.50        6.49555
1
1                                          STRESS PERIOD NO.  14, LENGTH =  0.1576800E+08
                                           ----------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0           21 WELLS
                                          LAYER    ROW    COL    STRESS RATE   WELL NO.
                                          ---------------------------------------------
                                            2       2      3     -6.6900          1
                                            2       4      3     -6.6900          2
                                            2       6      3     -6.6900          3
                                            2       8      3     -6.6600          4
                                            2      37      3     -6.6900          5
                                            2      41      3     -6.6900          6
                                            2      43      3     -6.6900          7
                                            2      45      3     -6.6900          8
                                            2       2     51     -3.3400          9
                                            2       4     51     -3.3400         10
```

```
0HEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0

                         VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 12
                         ---------------------------------------------------------------------------
0                CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                 ------------------                                            ------------------------

                      IN:                                                            IN:
                      ---                                                            ---
                            STORAGE =   0.10705E+10                                      STORAGE =    11.176
                     CONSTANT HEAD =    0.00000                                   CONSTANT HEAD =   0.00000
                             WELLS =    0.16336E+06                                         WELLS =   0.00000
                          RECHARGE =    0.31062E+09                                      RECHARGE =   0.00000
                     RIVER LEAKAGE =    0.18899E+09                                  RIVER LEAKAGE =   0.99880
                   HEAD DEP BOUNDS =    0.86542E+10                                HEAD DEP BOUNDS =    84.735
0                        TOTAL IN =    0.10224E+11                                       TOTAL IN =    96.910
0                     OUT:                                                           OUT:
                      ----                                                           ----
                            STORAGE =   0.10380E+10                                      STORAGE =   0.00000
                     CONSTANT HEAD =    0.00000                                   CONSTANT HEAD =   0.00000
                             WELLS =    0.91685E+10                                         WELLS =    96.910
                          RECHARGE =    0.00000                                      RECHARGE =   0.00000
                     RIVER LEAKAGE =    0.00000                                  RIVER LEAKAGE =   0.00000
                   HEAD DEP BOUNDS =    0.18060E+08                                HEAD DEP BOUNDS =   0.00000
0                       TOTAL OUT =    0.10224E+11                                      TOTAL OUT =    96.910
0                        IN - OUT =     9216.0                                           IN - OUT =   0.99182E-04
0               PERCENT DISCREPANCY =               0.00                       PERCENT DISCREPANCY =                0.00


0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 12
                              SECONDS        MINUTES         HOURS          DAYS          YEARS
                          ---------------------------------------------------------------------
     TIME STEP LENGTH        0.157680E+08    262800.        4380.00        182.500       0.499658
   STRESS PERIOD TIME        0.157680E+08    262800.        4380.00        182.500       0.499658
 TOTAL SIMULATION TIME       0.189216E+09   0.315360E+07    52560.0       2190.00        5.99589
1
1                                          STRESS PERIOD NO.  13, LENGTH =  0.1576800E+08
                                           ----------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0            2 WELLS
                                         LAYER    ROW    COL    STRESS RATE   WELL NO.
                                         ---------------------------------------------
                                           1      16     16     0.10000E-03       1
                                           1      16     18     0.15400E-02       2
0                                                                RECHARGE =  0.4750000E-07
0REUSING RIVER REACHES FROM LAST STRESS PERIOD
0REUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
   71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 13
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    15.24     (  2, 43,  3)   9.507     (  2,  3,  4)   8.842     (  1, 15, 51)   9.095     (  2, 35, 49)   9.618     (  2, 10, 40)
  -0.6635     (  1, 39, 50)  0.7336     (  1,  2, 50)  0.5743     (  2, 23, 17)   2.691     (  2, 28, 21)   2.707     (  2, 16, 41)
  -0.1555     (  1, 28, 29) -0.1451     (  2,  4, 49)  0.2876     (  1, 39, 49) -0.8610     (  2, 33, 31) -0.6251     (  2, 18, 21)
   0.3644E-01 (  1, 28, 28)  0.5800E-01 (  2, 38, 34)  0.1319     (  2, 33, 31)  0.3795     (  2, 26, 28)  0.1977     (  2, 23, 43)
   0.1619E-01 (  2, 20, 10)  0.2676E-01 (  2,  7, 26) -0.7739E-01 (  2, 22, 26) -0.7743E-01 (  2, 41, 28) -0.1220     (  2, 23, 14)
   0.2131E-01 (  2, 12,  8) -0.3480E-01 (  2, 12, 17) -0.3072E-01 (  2, 13, 19) -0.1195     (  2, 18, 23)  0.6005E-01 (  2, 23, 28)
   0.7634E-02 (  2,  8, 11)  0.1162E-01 (  2,  7, 12)  0.3731E-01 (  2, 17, 22) -0.1608E-01 (  2, 40, 13) -0.5528E-01 (  2, 14, 20)
  -0.1193E-01 (  2, 11,  8) -0.1948E-01 (  2, 19, 12)  0.1342E-01 (  2, 25, 30)  0.6938E-01 (  2, 17, 24) -0.3283E-01 (  2, 22, 28)
```

```
0                    TOTAL OUT =   0.86964E+10                                    TOTAL OUT =    11.345
0                     IN - OUT =    7168.0                                       IN - OUT =  -0.19073E-04
0            PERCENT DISCREPANCY =              0.00                   PERCENT DISCREPANCY =                0.00


0


        TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 11
                              SECONDS        MINUTES         HOURS          DAYS          YEARS
                          ----------------------------------------------------------------------
     TIME STEP LENGTH       0.157680E+08    262800.        4380.00        182.500       0.499658
   STRESS PERIOD TIME       0.157680E+08    262800.        4380.00        182.500       0.499658
 TOTAL SIMULATION TIME      0.173448E+09   0.289080E+07    48180.0        2007.50        5.49624
1
1                                          STRESS PERIOD NO.  12, LENGTH =  0.1576800E+08
                                           ----------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0           21 WELLS
                                         LAYER    ROW    COL    STRESS RATE   WELL NO.
                                         ---------------------------------------------
                                           2       2      3     -6.6900          1
                                           2       4      3     -6.6900          2
                                           2       6      3     -6.6900          3
                                           2       8      3     -6.6600          4
                                           2      37      3     -6.6900          5
                                           2      41      3     -6.6900          6
                                           2      43      3     -6.6900          7
                                           2      45      3     -6.6900          8
                                           2       2     51     -3.3400          9
                                           2       4     51     -3.3400         10
                                           2       6     51     -3.3400         11
                                           2       8     51     -3.3400         12
                                           2      10     51     -3.3400         13
                                           2      14     51     -3.3400         14
                                           2      18     51     -3.3400         15
                                           2      22     51     -3.3400         16
                                           2      29     51     -3.3400         17
                                           2      37     51     -3.3400         18
                                           2      41     51     -3.3400         19
                                           2      43     51     -3.3400         20
                                           2      45     51     -3.3400         21
0                                                          RECHARGE =  0.0000000
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 12
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.21     (  2, 43,  3)  -9.485     (  2,  3,  4)  -8.857     (  1, 45,  4)  -9.110     (  2, 35, 49)  -9.604     (  2, 10, 40)
   0.7206     (  1, 39, 50) -0.7370     (  1,  2, 50) -0.5736     (  2, 23, 17)  -2.691     (  2, 28, 21)  -2.713     (  2, 16, 41)
   0.2080     (  1, 29, 31)  0.1445     (  2,  4, 49) -0.2896     (  1, 39, 49)  0.8597     (  2, 33, 31)  0.6235     (  2, 18, 21)
  -0.4827E-01 (  1, 29, 31) -0.5790E-01 (  2, 38, 34) -0.1315     (  2, 33, 31) -0.3787     (  2, 26, 28) -0.1974     (  2, 23, 43)
   0.1718E-01 (  1, 28, 29) -0.2668E-01 (  2,  7, 26)  0.7733E-01 (  2, 22, 26)  0.7710E-01 (  2, 41, 28)  0.1218     (  2, 23, 14)
  -0.2131E-01 (  2, 12,  8)  0.3480E-01 (  2, 12, 17)  0.3072E-01 (  2, 13, 19)  0.1198     (  2, 18, 23) -0.6007E-01 (  2, 23, 28)
  -0.7626E-02 (  2,  8, 11) -0.1162E-01 (  2,  7, 12) -0.3736E-01 (  2, 17, 22)  0.1619E-01 (  2, 40, 13)  0.5531E-01 (  2, 14, 20)
   0.1194E-01 (  2, 11,  8)  0.1950E-01 (  2, 19, 12) -0.1348E-01 (  2, 25, 30) -0.6952E-01 (  2, 17, 24)  0.3289E-01 (  2, 22, 28)
   0.3786E-02 (  2,  8, 13)  0.6131E-02 (  2,  7, 13)  0.2027E-01 (  2, 16, 23) -0.1258E-01 (  2, 39, 16) -0.2936E-01 (  2, 13, 21)
  -0.6922E-02 (  2, 10,  8) -0.1133E-01 (  2, 18, 12)  0.8004E-02 (  2, 24, 30)  0.3753E-01 (  2, 17, 25) -0.1765E-01 (  2, 22, 30)
  -0.2130E-02 (  2,  8, 14) -0.3490E-02 (  2, 17, 25) -0.1113E-01 (  2, 16, 24)  0.6400E-02 (  2, 22, 29) -0.1702E-01 (  2, 19, 14)
   0.3990E-02 (  2, 10,  8)  0.6536E-02 (  2, 13, 10) -0.4497E-02 (  2, 24, 31) -0.2086E-01 (  2, 16, 26)  0.1033E-01 (  2, 11, 22)
   0.1278E-02 (  2,  8, 16)  0.2178E-02 (  2, 18, 26)  0.6216E-02 (  2, 17, 26)  0.3339E-02 (  2,  9,  8)  0.1060E-01 (  2, 19, 15)
  -0.2250E-02 (  2, 10,  9) -0.3856E-02 (  1, 11,  9)  0.2649E-02 (  2, 12, 23)  0.1179E-01 (  2, 16, 27) -0.6595E-02 (  2, 11, 23)
  -0.7923E-03 (  2,  8, 16)
0
```

```
          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD 10
                                 SECONDS        MINUTES         HOURS           DAYS           YEARS
                              ---------------------------------------------------------------------------
      TIME STEP LENGTH         0.157680E+08    262800.        4380.00         182.500        0.499658
    STRESS PERIOD TIME         0.157680E+08    262800.        4380.00         182.500        0.499658
 TOTAL SIMULATION TIME         0.157680E+09   0.262800E+07    43800.0         1825.00         4.99658
1
1                                                  STRESS PERIOD NO.  11, LENGTH =  0.1576800E+08
                                                   ----------------------------------------------

                                                   NUMBER OF TIME STEPS =     1

                                                    MULTIPLIER FOR DELT =     1.000

                                                  INITIAL TIME STEP SIZE =  0.1576800E+08
0             2 WELLS
                                                 LAYER    ROW    COL    STRESS RATE   WELL NO.
                                                 ---------------------------------------------
                                                   1      16     16     0.10000E-03       1
                                                   1      16     18     0.16300E-02       2
0                                                                     RECHARGE =  0.4750000E-07
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 11
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    15.24      (  2, 43,  3)   9.507     (  2,  3,  4)   8.842     (  1, 15, 51)   9.095     (  2, 35, 49)   9.618     (  2, 10, 40
  -0.6635      (  1, 39, 50)  0.7336     (  1,  2, 50)  0.5743     (  2, 23, 17)   2.691     (  2, 28, 21)   2.707     (  2, 16, 41
  -0.1555      (  1, 28, 29) -0.1451     (  2,  4, 49)  0.2876     (  1, 39, 49) -0.8610     (  2, 33, 31) -0.6251     (  2, 18, 21
   0.3644E-01 (  1, 28, 28)  0.5800E-01 (  2, 38, 34)  0.1319     (  2, 33, 31)  0.3795     (  2, 26, 28)  0.1977     (  2, 23, 43
   0.1619E-01 (  2, 20, 10)  0.2676E-01 (  2,  7, 26) -0.7739E-01 (  2, 22, 26) -0.7743E-01 (  2, 41, 28) -0.1220     (  2, 23, 14
   0.2131E-01 (  2, 12,  8) -0.3480E-01 (  2, 12, 17) -0.3072E-01 (  2, 13, 19) -0.1195     (  2, 18, 23)  0.6004E-01 (  2, 23, 28
   0.7633E-02 (  2,  8, 11)  0.1161E-01 (  2,  7, 12)  0.3731E-01 (  2, 17, 22) -0.1608E-01 (  2, 40, 13) -0.5527E-01 (  2, 14, 20
  -0.1193E-01 (  2, 11,  8) -0.1948E-01 (  2, 19, 12)  0.1342E-01 (  2, 25, 30)  0.6938E-01 (  2, 17, 24) -0.3283E-01 (  2, 22, 28
  -0.3784E-02 (  2,  8, 13) -0.6122E-02 (  2,  7, 13) -0.2023E-01 (  2, 16, 23)  0.1253E-01 (  2, 39, 16)  0.2930E-01 (  2, 14, 21
   0.6909E-02 (  2, 10,  8)  0.1131E-01 (  2, 18, 12) -0.7977E-02 (  2, 24, 30) -0.3742E-01 (  2, 17, 25)  0.1762E-01 (  2, 23, 30
   0.2126E-02 (  2,  8, 14)  0.3483E-02 (  2, 17, 25)  0.1110E-01 (  2, 16, 24) -0.6391E-02 (  2, 22, 29)  0.1692E-01 (  2, 19, 14
  -0.3983E-02 (  2, 10,  8) -0.6510E-02 (  2, 13, 10)  0.4488E-02 (  2, 24, 31)  0.2078E-01 (  2, 16, 26) -0.1028E-01 (  2, 11, 22
  -0.1274E-02 (  2,  8, 15) -0.2173E-02 (  2, 18, 26) -0.6197E-02 (  2, 17, 26) -0.3322E-02 (  2,  9,  8) -0.1053E-01 (  2, 19, 15
   0.2240E-02 (  2, 10,  9)  0.3837E-02 (  2, 12, 10) -0.2633E-02 (  2, 12, 23) -0.1174E-01 (  2, 16, 27)  0.6561E-02 (  2, 11, 23
   0.7893E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                        VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 11
                        ---------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                          ------------------------

                       IN:                                                          IN:
                       ---                                                          ---
                          STORAGE =   0.89432E+09                                      STORAGE =   0.00000
                    CONSTANT HEAD =   0.00000                                    CONSTANT HEAD =   0.00000
                            WELLS =   0.16336E+06                                        WELLS =   0.17300E-02
                         RECHARGE =   0.31062E+09                                     RECHARGE =    3.2832
                    RIVER LEAKAGE =   0.17324E+09                                RIVER LEAKAGE =   0.99880
                  HEAD DEP BOUNDS =   0.73181E+10                              HEAD DEP BOUNDS =    7.0609
0                      TOTAL IN =   0.86964E+10                                      TOTAL IN =    11.345
0                      OUT:                                                         OUT:
                       ----                                                         ----
                          STORAGE =   0.10380E+10                                      STORAGE =    11.176
                    CONSTANT HEAD =   0.00000                                    CONSTANT HEAD =   0.00000
                            WELLS =   0.76404E+10                                        WELLS =   0.00000
                         RECHARGE =   0.00000                                     RECHARGE =   0.00000
                    RIVER LEAKAGE =   0.00000                                RIVER LEAKAGE =   0.00000
                  HEAD DEP BOUNDS =   0.18060E+08                              HEAD DEP BOUNDS =   0.16894
```

```
                                                  2      45      3     -6.6900          8
                                                  2       2     51     -3.3400          9
                                                  2       4     51     -3.3400         10
                                                  2       6     51     -3.3400         11
                                                  2       8     51     -3.3400         12
                                                  2      10     51     -3.3400         13
                                                  2      14     51     -3.3400         14
                                                  2      18     51     -3.3400         15
                                                  2      22     51     -3.3400         16
                                                  2      29     51     -3.3400         17
                                                  2      37     51     -3.3400         18
                                                  2      41     51     -3.3400         19
                                                  2      43     51     -3.3400         20
                                                  2      45     51     -3.3400         21
0                                                                  RECHARGE =  0.0000000
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD 10
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,CO
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.21     (  2, 43,  3)  -9.485     (  2,  3,  4)  -8.857     (  1, 45,  4)  -9.110     (  2, 35, 49)  -9.605     (  2, 10, 40
   0.7206     (  1, 39, 50) -0.7370     (  1,  2, 50) -0.5736     (  2, 23, 17)  -2.691     (  2, 28, 21)  -2.713     (  2, 16, 41
   0.2080     (  1, 29, 31)  0.1445     (  2,  4, 49) -0.2896     (  1, 39, 49)  0.8597     (  2, 33, 31)  0.6235     (  2, 18, 21
  -0.4827E-01 (  1, 29, 31) -0.5790E-01 (  2, 38, 34) -0.1315     (  2, 33, 31) -0.3787     (  2, 26, 28) -0.1974     (  2, 23, 43
   0.1718E-01 (  1, 28, 29) -0.2668E-01 (  2,  7, 26)  0.7733E-01 (  2, 22, 26)  0.7709E-01 (  2, 41, 28)  0.1218     (  2, 23, 14
  -0.2131E-01 (  2, 12,  8)  0.3480E-01 (  2, 12, 17)  0.3072E-01 (  2, 13, 19)  0.1198     (  2, 18, 23) -0.6007E-01 (  2, 23, 28
  -0.7626E-02 (  2,  8, 11) -0.1162E-01 (  2,  7, 12) -0.3736E-01 (  2, 17, 22)  0.1619E-01 (  2, 40, 13)  0.5531E-01 (  2, 14, 20
   0.1194E-01 (  2, 11,  8)  0.1950E-01 (  2, 19, 12) -0.1348E-01 (  2, 25, 30) -0.6952E-01 (  2, 17, 24)  0.3289E-01 (  2, 22, 28
   0.3786E-02 (  2,  8, 13)  0.6131E-02 (  2,  7, 13)  0.2027E-01 (  2, 16, 23) -0.1258E-01 (  2, 39, 16) -0.2936E-01 (  2, 13, 21
  -0.6922E-02 (  2, 10,  8) -0.1133E-01 (  2, 18, 12)  0.8004E-02 (  2, 24, 30)  0.3753E-01 (  2, 17, 25) -0.1765E-01 (  2, 22, 30
  -0.2130E-02 (  2,  8, 14) -0.3490E-02 (  2, 17, 25) -0.1113E-01 (  2, 16, 24)  0.6400E-02 (  2, 22, 29) -0.1702E-01 (  2, 19, 14
   0.3990E-02 (  2, 10,  8)  0.6536E-02 (  2, 13, 10) -0.4497E-02 (  2, 24, 31) -0.2086E-01 (  2, 16, 26)  0.1033E-01 (  2, 11, 22
   0.1279E-02 (  2,  8, 16)  0.2178E-02 (  2, 18, 26)  0.6216E-02 (  2, 17, 26)  0.3339E-02 (  2,  9,  8)  0.1060E-01 (  2, 19, 15
  -0.2250E-02 (  2, 10,  9) -0.3856E-02 (  1, 11,  9)  0.2649E-02 (  2, 12, 23)  0.1179E-01 (  2, 16, 27) -0.6595E-02 (  2, 11, 23
  -0.7923E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                        VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD 10
                        ---------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                       IN:                                                            IN:
                       ---                                                            ---
                         STORAGE =   0.89432E+09                                        STORAGE =    11.176
                   CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =   0.13608E+06                                          WELLS =   0.00000
                        RECHARGE =   0.25885E+09                                       RECHARGE =   0.00000
                   RIVER LEAKAGE =   0.15749E+09                                  RIVER LEAKAGE =   0.99880
                 HEAD DEP BOUNDS =   0.72067E+10                                HEAD DEP BOUNDS =    84.735
0                      TOTAL IN =   0.85175E+10                                       TOTAL IN =    96.910
0                      OUT:                                                           OUT:
                       ----                                                           ----
                         STORAGE =   0.86175E+09                                        STORAGE =   0.00000
                   CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =   0.76404E+10                                          WELLS =    96.910
                        RECHARGE =   0.00000                                       RECHARGE =   0.00000
                   RIVER LEAKAGE =   0.00000                                  RIVER LEAKAGE =   0.00000
                 HEAD DEP BOUNDS =   0.15396E+08                                HEAD DEP BOUNDS =   0.00000
0                      TOTAL OUT =   0.85175E+10                                      TOTAL OUT =    96.910
0                       IN - OUT =    7168.0                                         IN - OUT =   0.53406E-04
0              PERCENT DISCREPANCY =              0.00                        PERCENT DISCREPANCY =              0.00


0
```

```
  0.2131E-01 (  2, 12,  8) -0.3480E-01 (  2, 12, 17) -0.3072E-01 (  2, 13, 19) -0.1195     (  2, 18, 23)  0.6005E-01 (  2, 23, 28)
  0.7633E-02 (  2,  8, 11)  0.1161E-01 (  2,  7, 12)  0.3731E-01 (  2, 17, 22) -0.1608E-01 (  2, 40, 13) -0.5527E-01 (  2, 14, 20)
 -0.1193E-01 (  2, 11,  8) -0.1948E-01 (  2, 19, 12)  0.1342E-01 (  2, 25, 30)  0.6938E-01 (  2, 17, 24) -0.3283E-01 (  2, 22, 28)
 -0.3784E-02 (  2,  8, 13) -0.6123E-02 (  2,  7, 13) -0.2023E-01 (  2, 16, 23)  0.1253E-01 (  2, 39, 16)  0.2930E-01 (  2, 14, 21)
  0.6909E-02 (  2, 10,  8)  0.1131E-01 (  2, 18, 12) -0.7977E-02 (  2, 24, 30) -0.3743E-01 (  2, 17, 25)  0.1762E-01 (  2, 23, 30)
  0.2126E-02 (  2,  8, 14)  0.3483E-02 (  2, 17, 25)  0.1110E-01 (  2, 16, 24) -0.6391E-02 (  2, 22, 29)  0.1692E-01 (  2, 19, 14)
 -0.3983E-02 (  2, 10,  8) -0.6510E-02 (  2, 13, 10)  0.4488E-02 (  2, 24, 31)  0.2078E-01 (  2, 16, 26) -0.1028E-01 (  2, 11, 22)
 -0.1274E-02 (  2,  8, 15) -0.2173E-02 (  2, 18, 26) -0.6197E-02 (  2, 17, 26) -0.3322E-02 (  2,  9,  8) -0.1053E-01 (  2, 19, 15)
  0.2240E-02 (  2, 10,  9)  0.3837E-02 (  2, 12, 10) -0.2633E-02 (  2, 12, 23) -0.1174E-01 (  2, 16, 27)  0.6561E-02 (  2, 11, 23)
  0.7893E-03 (  2,  8, 16)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                         VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD  9
                         ------------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                        IN:                                                            IN:
                        ---                                                            ---
                          STORAGE =   0.71809E+09                                        STORAGE =   0.00000
                    CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                            WELLS =   0.13608E+06                                          WELLS =   0.17300E-02
                         RECHARGE =   0.25885E+09                                       RECHARGE =    3.2832
                    RIVER LEAKAGE =   0.14174E+09                                  RIVER LEAKAGE =   0.99880
                  HEAD DEP BOUNDS =   0.58706E+10                                HEAD DEP BOUNDS =    7.0599
0                       TOTAL IN =   0.69895E+10                                       TOTAL IN =    11.344
0                      OUT:                                                           OUT:
                       ----                                                           ----
                          STORAGE =   0.86175E+09                                        STORAGE =    11.175
                    CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                            WELLS =   0.61123E+10                                          WELLS =   0.00000
                         RECHARGE =   0.00000                                       RECHARGE =   0.00000
                    RIVER LEAKAGE =   0.00000                                  RIVER LEAKAGE =   0.00000
                  HEAD DEP BOUNDS =   0.15396E+08                                HEAD DEP BOUNDS =   0.16894
0                      TOTAL OUT =   0.69894E+10                                      TOTAL OUT =    11.344
0                       IN - OUT =    6656.0                                         IN - OUT =  -0.13351E-04
0              PERCENT DISCREPANCY =              0.00                        PERCENT DISCREPANCY =                0.00


0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  9
                              SECONDS        MINUTES        HOURS         DAYS          YEARS
                          ------------------------------------------------------------------------
      TIME STEP LENGTH       0.157680E+08    262800.       4380.00       182.500       0.499658
    STRESS PERIOD TIME       0.157680E+08    262800.       4380.00       182.500       0.499658
 TOTAL SIMULATION TIME       0.141912E+09   0.236520E+07   39420.0       1642.50        4.49692
1
1                                          STRESS PERIOD NO.  10, LENGTH =  0.1576800E+08
                                           ----------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0            21 WELLS
                                         LAYER    ROW    COL    STRESS RATE   WELL NO.
                                         ---------------------------------------------
                                           2       2      3     -6.6900          1
                                           2       4      3     -6.6900          2
                                           2       6      3     -6.6900          3
                                           2       8      3     -6.6600          4
                                           2      37      3     -6.6900          5
                                           2      41      3     -6.6900          6
                                           2      43      3     -6.6900          7
```

```
  -0.2250E-02 (  2, 10,  9) -0.3856E-02 (  1, 11,  9)  0.2649E-02 (  2, 12, 23)  0.1179E-01 (  2, 16, 27) -0.6595E-02 (  2, 11, 23)
  -0.7923E-03 (  2,  8, 16)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                         VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD  8
                         ------------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                        IN:                                                            IN:
                        ---                                                            ---
                          STORAGE =   0.71809E+09                                        STORAGE =    11.179
                    CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                            WELLS =   0.10880E+06                                          WELLS =   0.00000
                         RECHARGE =   0.20708E+09                                       RECHARGE =   0.00000
                    RIVER LEAKAGE =   0.12599E+09                                  RIVER LEAKAGE =   0.99880
                  HEAD DEP BOUNDS =   0.57593E+10                                HEAD DEP BOUNDS =    84.732
0                        TOTAL IN =   0.68106E+10                                       TOTAL IN =    96.910
0                       OUT:                                                           OUT:
                        ----                                                           ----
                          STORAGE =   0.68554E+09                                        STORAGE =   0.00000
                    CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                            WELLS =   0.61123E+10                                          WELLS =    96.910
                         RECHARGE =   0.00000                                       RECHARGE =   0.00000
                    RIVER LEAKAGE =   0.00000                                  RIVER LEAKAGE =   0.00000
                  HEAD DEP BOUNDS =   0.12732E+08                                HEAD DEP BOUNDS =   0.00000
0                       TOTAL OUT =   0.68106E+10                                      TOTAL OUT =    96.910
0                        IN - OUT =    7168.0                                         IN - OUT =   0.45776E-04
0               PERCENT DISCREPANCY =              0.00                        PERCENT DISCREPANCY =              0.00


0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  8
                                 SECONDS        MINUTES         HOURS          DAYS          YEARS
                              ------------------------------------------------------------------------
      TIME STEP LENGTH        0.157680E+08    262800.        4380.00        182.500       0.499658
    STRESS PERIOD TIME        0.157680E+08    262800.        4380.00        182.500       0.499658
 TOTAL SIMULATION TIME        0.126144E+09   0.210240E+07    35040.0        1460.00        3.99726
1
1                                                 STRESS PERIOD NO.   9, LENGTH =  0.1576800E+08
                                                  ---------------------------------------------

                                                  NUMBER OF TIME STEPS =     1

                                                   MULTIPLIER FOR DELT =     1.000

                                                 INITIAL TIME STEP SIZE =  0.1576800E+08
0             2 WELLS
                                                LAYER    ROW    COL    STRESS RATE   WELL NO.
                                                ---------------------------------------------
                                                  1      16     16     0.10000E-03       1
                                                  1      16     18     0.16300E-02       2
0                                                                     RECHARGE =  0.4750000E-07
0REUSING RIVER REACHES FROM LAST STRESS PERIOD
0REUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  9
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    15.24     (  2, 43,  3)   9.507     (  2,  3,  4)   8.842     (  1, 15, 51)   9.094     (  2, 35, 49)   9.617     (  2, 10, 40)
  -0.6635     (  1, 39, 50)  0.7336     (  1,  2, 50)  0.5743     (  2, 23, 17)   2.691     (  2, 28, 21)   2.707     (  2, 16, 41)
  -0.1555     (  1, 28, 29) -0.1451     (  2,  4, 49)  0.2876     (  1, 39, 49) -0.8610     (  2, 33, 31) -0.6251     (  2, 18, 21)
   0.3643E-01 (  1, 28, 28)  0.5800E-01 (  2, 38, 34)  0.1319     (  2, 33, 31)  0.3795     (  2, 26, 28)  0.1977     (  2, 23, 43)
   0.1619E-01 (  2, 20, 10)  0.2676E-01 (  2,  7, 26) -0.7739E-01 (  2, 22, 26) -0.7743E-01 (  2, 41, 28) -0.1220     (  2, 23, 14)
```

```
                    RECHARGE =   0.00000                                                    RECHARGE =   0.00000
               RIVER LEAKAGE =   0.00000                                               RIVER LEAKAGE =   0.00000
             HEAD DEP BOUNDS =   0.12732E+08                                         HEAD DEP BOUNDS =   0.16898
0                  TOTAL OUT =   0.52825E+10                                              TOTAL OUT =    11.338
0                   IN - OUT =    6656.0                                                  IN - OUT =  -0.85831E-05
0          PERCENT DISCREPANCY =                0.00                                PERCENT DISCREPANCY =                0.00


0


        TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  7
                              SECONDS        MINUTES         HOURS          DAYS           YEARS
                         ----------------------------------------------------------------------------
     TIME STEP LENGTH        0.157680E+08    262800.        4380.00        182.500        0.499658
   STRESS PERIOD TIME        0.157680E+08    262800.        4380.00        182.500        0.499658
 TOTAL SIMULATION TIME       0.110376E+09   0.183960E+07    30660.0        1277.50         3.49760
1
1                                                STRESS PERIOD NO.   8, LENGTH =  0.1576800E+08
                                                 ---------------------------------------------

                                                 NUMBER OF TIME STEPS =     1

                                                  MULTIPLIER FOR DELT =     1.000

                                                INITIAL TIME STEP SIZE =  0.1576800E+08
0            21 WELLS
                                               LAYER    ROW    COL    STRESS RATE   WELL NO.
                                               ---------------------------------------------
                                                 2       2      3     -6.6900          1
                                                 2       4      3     -6.6900          2
                                                 2       6      3     -6.6900          3
                                                 2       8      3     -6.6600          4
                                                 2      37      3     -6.6900          5
                                                 2      41      3     -6.6900          6
                                                 2      43      3     -6.6900          7
                                                 2      45      3     -6.6900          8
                                                 2       2     51     -3.3400          9
                                                 2       4     51     -3.3400         10
                                                 2       6     51     -3.3400         11
                                                 2       8     51     -3.3400         12
                                                 2      10     51     -3.3400         13
                                                 2      14     51     -3.3400         14
                                                 2      18     51     -3.3400         15
                                                 2      22     51     -3.3400         16
                                                 2      29     51     -3.3400         17
                                                 2      37     51     -3.3400         18
                                                 2      41     51     -3.3400         19
                                                 2      43     51     -3.3400         20
                                                 2      45     51     -3.3400         21
0                                                                   RECHARGE =  0.0000000
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  8
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.21     (  2, 43,  3)  -9.485     (  2,  3,  4)  -8.857     (  1, 45,  4)  -9.111     (  2, 35, 49)  -9.606     (  2, 10, 40)
   0.7206     (  1, 39, 50) -0.7371     (  1,  2, 50) -0.5736     (  2, 23, 17)  -2.691     (  2, 28, 21)  -2.713     (  2, 16, 41)
   0.2080     (  1, 29, 31)  0.1445     (  2,  4, 49) -0.2896     (  1, 39, 49)  0.8597     (  2, 33, 31)  0.6235     (  2, 18, 21)
  -0.4827E-01 (  1, 29, 31) -0.5789E-01 (  2, 38, 34) -0.1315     (  2, 33, 31) -0.3787     (  2, 26, 28) -0.1974     (  2, 23, 43)
   0.1718E-01 (  1, 28, 29) -0.2668E-01 (  2,  7, 26)  0.7732E-01 (  2, 22, 26)  0.7710E-01 (  2, 41, 28)  0.1218     (  2, 23, 14)
  -0.2131E-01 (  2, 12,  8)  0.3480E-01 (  2, 12, 17)  0.3072E-01 (  2, 13, 19)  0.1198     (  2, 18, 23) -0.6006E-01 (  2, 23, 28)
  -0.7626E-02 (  2,  8, 11) -0.1162E-01 (  2,  7, 12) -0.3736E-01 (  2, 17, 22)  0.1618E-01 (  2, 40, 13)  0.5530E-01 (  2, 14, 20)
   0.1194E-01 (  2, 11,  8)  0.1950E-01 (  2, 19, 12) -0.1348E-01 (  2, 25, 30) -0.6952E-01 (  2, 17, 24)  0.3288E-01 (  2, 22, 28)
   0.3786E-02 (  2,  8, 13)  0.6131E-02 (  2,  7, 13)  0.2027E-01 (  2, 16, 23) -0.1258E-01 (  2, 39, 16) -0.2936E-01 (  2, 13, 21)
  -0.6922E-02 (  2, 10,  8) -0.1133E-01 (  2, 18, 12)  0.8004E-02 (  2, 24, 30)  0.3753E-01 (  2, 17, 25) -0.1765E-01 (  2, 22, 30)
  -0.2130E-02 (  2,  8, 14) -0.3489E-02 (  2, 17, 25) -0.1113E-01 (  2, 16, 24)  0.6400E-02 (  2, 22, 29) -0.1702E-01 (  2, 19, 14)
   0.3990E-02 (  2, 10,  8)  0.6536E-02 (  2, 13, 10) -0.4497E-02 (  2, 24, 31) -0.2086E-01 (  2, 16, 26)  0.1033E-01 (  2, 11, 22)
   0.1278E-02 (  2,  8, 16)  0.2178E-02 (  2, 18, 26)  0.6216E-02 (  2, 17, 26)  0.3339E-02 (  2,  9,  8)  0.1060E-01 (  2, 19, 15)
```

```
0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  6
                              SECONDS        MINUTES         HOURS          DAYS           YEARS
                          ----------------------------------------------------------------------------
      TIME STEP LENGTH       0.157680E+08    262800.        4380.00        182.500        0.499658
    STRESS PERIOD TIME       0.157680E+08    262800.        4380.00        182.500        0.499658
 TOTAL SIMULATION TIME       0.946080E+08   0.157680E+07    26280.0        1095.00         2.99795
1
1                                                STRESS PERIOD NO.   7, LENGTH =  0.1576800E+08
                                                 ---------------------------------------------

                                                 NUMBER OF TIME STEPS =     1

                                                  MULTIPLIER FOR DELT =     1.000

                                                INITIAL TIME STEP SIZE =  0.1576800E+08
0             2 WELLS
                                               LAYER    ROW    COL    STRESS RATE   WELL NO.
                                               ---------------------------------------------
                                                 1      16     16     0.10000E-03       1
                                                 1      16     18     0.16300E-02       2
0                                                                   RECHARGE =  0.4750000E-07
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  7
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    15.24     (  2, 43,  3)   9.507     (  2,  3,  4)   8.841     (  1, 15, 51)   9.093     (  2, 35, 49)   9.613     (  2, 10, 40)
  -0.6633     (  1, 39, 50)  0.7334     (  1,  2, 50)  0.5743     (  2, 23, 17)   2.691     (  2, 28, 21)   2.707     (  2, 16, 41)
  -0.1554     (  1, 28, 29) -0.1451     (  2,  4, 49)  0.2876     (  1, 39, 49) -0.8609     (  2, 33, 31) -0.6252     (  2, 18, 21)
   0.3643E-01 (  1, 28, 28)  0.5800E-01 (  2, 38, 34)  0.1319     (  2, 33, 31)  0.3795     (  2, 26, 28)  0.1977     (  2, 23, 43)
   0.1619E-01 (  2, 20, 10)  0.2676E-01 (  2,  7, 26) -0.7739E-01 (  2, 22, 26) -0.7743E-01 (  2, 41, 28) -0.1221     (  2, 23, 14)
   0.2131E-01 (  2, 12,  8) -0.3480E-01 (  2, 12, 17) -0.3072E-01 (  2, 13, 19) -0.1195     (  2, 18, 23)  0.6005E-01 (  2, 23, 28)
   0.7634E-02 (  2,  8, 11)  0.1162E-01 (  2,  7, 12)  0.3731E-01 (  2, 17, 22) -0.1608E-01 (  2, 40, 13) -0.5528E-01 (  2, 14, 20)
  -0.1193E-01 (  2, 11,  8) -0.1948E-01 (  2, 19, 12)  0.1342E-01 (  2, 25, 30)  0.6938E-01 (  2, 17, 24) -0.3283E-01 (  2, 22, 28)
  -0.3784E-02 (  2,  8, 13) -0.6123E-02 (  2,  7, 13) -0.2023E-01 (  2, 16, 23)  0.1253E-01 (  2, 39, 16)  0.2930E-01 (  2, 14, 21)
   0.6909E-02 (  2, 10,  8)  0.1131E-01 (  2, 18, 12) -0.7978E-02 (  2, 24, 30) -0.3743E-01 (  2, 17, 25)  0.1762E-01 (  2, 23, 30)
   0.2126E-02 (  2,  8, 14)  0.3483E-02 (  2, 17, 25)  0.1110E-01 (  2, 16, 24) -0.6392E-02 (  2, 22, 29)  0.1692E-01 (  2, 19, 14
  -0.3984E-02 (  2, 10,  8) -0.6511E-02 (  2, 13, 10)  0.4488E-02 (  2, 24, 31)  0.2078E-01 (  2, 16, 26) -0.1028E-01 (  2, 11, 22)
  -0.1274E-02 (  2,  8, 15) -0.2174E-02 (  2, 18, 26) -0.6198E-02 (  2, 17, 26) -0.3322E-02 (  2,  9,  8) -0.1053E-01 (  2, 19, 15)
   0.2240E-02 (  2, 10,  9)  0.3837E-02 (  2, 12, 10) -0.2633E-02 (  2, 12, 23) -0.1174E-01 (  2, 16, 27)  0.6561E-02 (  2, 11, 23)
   0.7893E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                        VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD  7
                        ----------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                       IN:                                                            IN:
                       ---                                                            ---
                          STORAGE =   0.54182E+09                                        STORAGE =   0.00000
                    CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                            WELLS =   0.10880E+06                                          WELLS =   0.17300E-02
                         RECHARGE =   0.20708E+09                                       RECHARGE =    3.2832
                    RIVER LEAKAGE =   0.11024E+09                                  RIVER LEAKAGE =   0.99880
                  HEAD DEP BOUNDS =   0.44233E+10                                HEAD DEP BOUNDS =    7.0539
0                        TOTAL IN =   0.52825E+10                                       TOTAL IN =    11.338
0                      OUT:                                                           OUT:
                       ----                                                           ----
                          STORAGE =   0.68554E+09                                        STORAGE =    11.169
                    CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                            WELLS =   0.45842E+10                                          WELLS =   0.00000
```

```
                                        2      37      3     -6.6900          5
                                        2      41      3     -6.6900          6
                                        2      43      3     -6.6900          7
                                        2      45      3     -6.6900          8
                                        2       2     51     -3.3400          9
                                        2       4     51     -3.3400         10
                                        2       6     51     -3.3400         11
                                        2       8     51     -3.3400         12
                                        2      10     51     -3.3400         13
                                        2      14     51     -3.3400         14
                                        2      18     51     -3.3400         15
                                        2      22     51     -3.3400         16
                                        2      29     51     -3.3400         17
                                        2      37     51     -3.3400         18
                                        2      41     51     -3.3400         19
                                        2      43     51     -3.3400         20
                                        2      45     51     -3.3400         21
0                                                        RECHARGE =  0.0000000
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  6
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.21     (  2, 43,  3)  -9.486     (  2,  3,  4)  -8.858     (  1, 45,  4)  -9.116     (  2, 35, 49)  -9.617     (  2, 10, 40)
   0.7207     (  1, 39, 50) -0.7377     (  1,  2, 50) -0.5738     (  2, 23, 17)  -2.691     (  2, 28, 21)  -2.714     (  2, 16, 41)
   0.2079     (  1, 29, 31)  0.1446     (  2,  4, 49) -0.2896     (  1, 39, 49)  0.8599     (  2, 33, 31)  0.6234     (  2, 18, 21)
  -0.4824E-01 (  1, 29, 31) -0.5789E-01 (  2, 38, 34) -0.1315     (  2, 33, 31) -0.3787     (  2, 26, 28) -0.1975     (  2, 23, 43)
   0.1717E-01 (  1, 28, 29) -0.2668E-01 (  2,  7, 26)  0.7732E-01 (  2, 22, 26)  0.7710E-01 (  2, 41, 28)  0.1218     (  2, 23, 14)
  -0.2130E-01 (  2, 12,  8)  0.3480E-01 (  2, 12, 17)  0.3072E-01 (  2, 13, 19)  0.1198     (  2, 18, 23) -0.6007E-01 (  2, 23, 28)
  -0.7625E-02 (  2,  8, 11) -0.1162E-01 (  2,  7, 12) -0.3736E-01 (  2, 17, 22)  0.1618E-01 (  2, 40, 13)  0.5531E-01 (  2, 14, 20)
   0.1194E-01 (  2, 11,  8)  0.1950E-01 (  2, 19, 12) -0.1348E-01 (  2, 25, 30) -0.6952E-01 (  2, 17, 24)  0.3288E-01 (  2, 22, 28)
   0.3786E-02 (  2,  8, 13)  0.6131E-02 (  2,  7, 13)  0.2027E-01 (  2, 16, 23) -0.1258E-01 (  2, 39, 16) -0.2936E-01 (  2, 13, 21)
  -0.6922E-02 (  2, 10,  8) -0.1133E-01 (  2, 18, 12)  0.8004E-02 (  2, 24, 30)  0.3753E-01 (  2, 17, 25) -0.1765E-01 (  2, 22, 30)
  -0.2130E-02 (  2,  8, 14) -0.3490E-02 (  2, 17, 25) -0.1113E-01 (  2, 16, 24)  0.6399E-02 (  2, 22, 29) -0.1702E-01 (  2, 19, 14)
   0.3990E-02 (  2, 10,  8)  0.6536E-02 (  2, 13, 10) -0.4497E-02 (  2, 24, 31) -0.2086E-01 (  2, 16, 26)  0.1033E-01 (  2, 11, 22)
   0.1279E-02 (  2,  8, 16)  0.2178E-02 (  2, 18, 26)  0.6216E-02 (  2, 17, 26)  0.3340E-02 (  2,  9,  8)  0.1060E-01 (  2, 19, 15)
  -0.2250E-02 (  2, 10,  9) -0.3856E-02 (  1, 11,  9)  0.2649E-02 (  2, 12, 23)  0.1179E-01 (  2, 16, 27) -0.6595E-02 (  2, 11, 23)
  -0.7923E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                        VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD  6
                        ---------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                       IN:                                                            IN:
                       ---                                                            ---
                         STORAGE =   0.54182E+09                                        STORAGE =    11.194
                   CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =    81521.                                              WELLS =   0.00000
                        RECHARGE =   0.15531E+09                                       RECHARGE =   0.00000
                    RIVER LEAKAGE =   0.94494E+08                                  RIVER LEAKAGE =   0.99880
                  HEAD DEP BOUNDS =   0.43120E+10                                HEAD DEP BOUNDS =    84.717
0                       TOTAL IN =   0.51037E+10                                       TOTAL IN =    96.910
0                      OUT:                                                           OUT:
                       ----                                                           ----
                         STORAGE =   0.50944E+09                                        STORAGE =   0.00000
                   CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =   0.45842E+10                                              WELLS =    96.910
                        RECHARGE =   0.00000                                       RECHARGE =   0.00000
                    RIVER LEAKAGE =   0.00000                                  RIVER LEAKAGE =   0.00000
                  HEAD DEP BOUNDS =   0.10068E+08                                HEAD DEP BOUNDS =   0.00000
0                      TOTAL OUT =   0.51037E+10                                      TOTAL OUT =    96.910
0                       IN - OUT =    6144.0                                         IN - OUT =   0.53406E-04
0              PERCENT DISCREPANCY =              0.00                        PERCENT DISCREPANCY =              0.00
```

```
 -0.1550     (  1, 28, 29) -0.1449     (  2,  4, 49)  0.2874     (  1, 39, 49) -0.8602     (  2, 33, 31) -0.6253     (  2, 18, 21
  0.3639E-01 (  1, 28, 28)  0.5803E-01 (  2, 38, 34)  0.1318     (  2, 33, 31)  0.3796     (  2, 26, 28)  0.1976     (  2, 23, 43
  0.1620E-01 (  2, 20, 10)  0.2678E-01 (  2,  7, 26) -0.7743E-01 (  2, 22, 26) -0.7742E-01 (  2, 41, 28) -0.1221     (  2, 23, 14
  0.2133E-01 (  2, 12,  8) -0.3482E-01 (  2, 12, 17) -0.3073E-01 (  2, 13, 19) -0.1196     (  2, 18, 23)  0.6008E-01 (  2, 23, 28
  0.7638E-02 (  2,  8, 11)  0.1162E-01 (  2,  7, 12)  0.3733E-01 (  2, 17, 22) -0.1610E-01 (  2, 40, 13) -0.5531E-01 (  2, 14, 20
 -0.1194E-01 (  2, 11,  8) -0.1949E-01 (  2, 19, 12)  0.1343E-01 (  2, 25, 30)  0.6942E-01 (  2, 17, 24) -0.3285E-01 (  2, 22, 28
 -0.3786E-02 (  2,  8, 13) -0.6125E-02 (  2,  7, 13) -0.2024E-01 (  2, 16, 23)  0.1254E-01 (  2, 39, 16)  0.2932E-01 (  2, 14, 21
  0.6913E-02 (  2, 10,  8)  0.1131E-01 (  2, 18, 12) -0.7985E-02 (  2, 24, 30) -0.3745E-01 (  2, 17, 25)  0.1763E-01 (  2, 23, 30
  0.2127E-02 (  2,  8, 14)  0.3486E-02 (  2, 17, 25)  0.1111E-01 (  2, 16, 24) -0.6396E-02 (  2, 22, 29)  0.1693E-01 (  2, 19, 14
 -0.3986E-02 (  2, 10,  8) -0.6514E-02 (  2, 13, 10)  0.4492E-02 (  2, 24, 31)  0.2079E-01 (  2, 16, 26) -0.1028E-01 (  2, 11, 22
 -0.1275E-02 (  2,  8, 15) -0.2175E-02 (  2, 18, 26) -0.6202E-02 (  2, 17, 26) -0.3324E-02 (  2,  9,  8) -0.1054E-01 (  2, 19, 15
  0.2242E-02 (  2, 10,  9)  0.3839E-02 (  2, 12, 10) -0.2634E-02 (  2, 12, 23) -0.1175E-01 (  2, 16, 27)  0.6565E-02 (  2, 11, 23
  0.7898E-03 (  2,  8, 16)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                         VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD  5
                         ------------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                        IN:                                                           IN:
                        ---                                                           ---
                            STORAGE =   0.36531E+09                                       STORAGE =   0.00000
                     CONSTANT HEAD =    0.00000                                    CONSTANT HEAD =   0.00000
                             WELLS =     81521.                                            WELLS =   0.16100E-02
                          RECHARGE =    0.15531E+09                                      RECHARGE =    3.2832
                     RIVER LEAKAGE =    0.78745E+08                                 RIVER LEAKAGE =   0.99880
                  HEAD DEP BOUNDS =     0.29762E+10                              HEAD DEP BOUNDS =    7.0171
0                       TOTAL IN =     0.35757E+10                                      TOTAL IN =    11.301
0                       OUT:                                                          OUT:
                        ----                                                          ----
                            STORAGE =   0.50944E+09                                       STORAGE =    11.132
                     CONSTANT HEAD =    0.00000                                    CONSTANT HEAD =   0.00000
                             WELLS =    0.30562E+10                                       WELLS =   0.00000
                          RECHARGE =    0.00000                                      RECHARGE =   0.00000
                     RIVER LEAKAGE =    0.00000                                 RIVER LEAKAGE =   0.00000
                  HEAD DEP BOUNDS =     0.10068E+08                              HEAD DEP BOUNDS =   0.16917
0                      TOTAL OUT =     0.35757E+10                                     TOTAL OUT =    11.301
0                       IN - OUT =      5632.0                                          IN - OUT =  -0.35286E-04
0              PERCENT DISCREPANCY =                0.00                       PERCENT DISCREPANCY =                0.00


0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  5
                              SECONDS        MINUTES         HOURS          DAYS          YEARS
                           ------------------------------------------------------------------------
      TIME STEP LENGTH       0.157680E+08    262800.        4380.00        182.500       0.499658
    STRESS PERIOD TIME       0.157680E+08    262800.        4380.00        182.500       0.499658
 TOTAL SIMULATION TIME       0.788400E+08   0.131400E+07    21900.0        912.500        2.49829
1
1                                          STRESS PERIOD NO.   6, LENGTH =  0.1576800E+08
                                           -------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0            21 WELLS
                                         LAYER    ROW    COL    STRESS RATE   WELL NO.
                                         ---------------------------------------------
                                           2       2      3     -6.6900          1
                                           2       4      3     -6.6900          2
                                           2       6      3     -6.6900          3
                                           2       8      3     -6.6600          4
```

```
 -0.2129E-02 (  2,  8, 14) -0.3487E-02 (  2, 17, 25) -0.1112E-01 (  2, 16, 24)  0.6399E-02 (  2, 22, 29) -0.1700E-01 (  2, 19, 14)
  0.3987E-02 (  2, 10,  8)  0.6532E-02 (  2, 13, 10) -0.4495E-02 (  2, 24, 31) -0.2085E-01 (  2, 16, 26)  0.1032E-01 (  2, 11, 22)
  0.1277E-02 (  2,  8, 16)  0.2176E-02 (  2, 18, 26)  0.6212E-02 (  2, 17, 26)  0.3337E-02 (  2,  9,  8)  0.1059E-01 (  2, 19, 15)
 -0.2248E-02 (  2, 10,  9) -0.3853E-02 (  1, 11,  9)  0.2647E-02 (  2, 12, 23)  0.1178E-01 (  2, 16, 27) -0.6590E-02 (  2, 11, 23)
 -0.7917E-03 (  2,  8, 16)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                         VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD  4
                         ------------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                       IN:                                                            IN:
                       ---                                                            ---
                            STORAGE =   0.36531E+09                                       STORAGE =    11.286
                     CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                             WELLS =    56134.                                              WELLS =   0.00000
                          RECHARGE =   0.10354E+09                                       RECHARGE =   0.00000
                     RIVER LEAKAGE =   0.62996E+08                                  RIVER LEAKAGE =   0.99880
                   HEAD DEP BOUNDS =   0.28656E+10                                HEAD DEP BOUNDS =    84.625
0                        TOTAL IN =   0.33975E+10                                       TOTAL IN =    96.910
0                      OUT:                                                           OUT:
                       ----                                                           ----
                            STORAGE =   0.33391E+09                                       STORAGE =   0.00000
                     CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                             WELLS =   0.30562E+10                                          WELLS =    96.910
                          RECHARGE =   0.00000                                       RECHARGE =   0.00000
                     RIVER LEAKAGE =   0.00000                                  RIVER LEAKAGE =   0.00000
                   HEAD DEP BOUNDS =   0.74001E+07                                HEAD DEP BOUNDS =   0.00000
0                       TOTAL OUT =   0.33975E+10                                      TOTAL OUT =    96.910
0                        IN - OUT =    5888.0                                         IN - OUT =   0.53406E-04
0               PERCENT DISCREPANCY =                0.00                     PERCENT DISCREPANCY =                0.00


0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  4
                              SECONDS        MINUTES         HOURS          DAYS          YEARS
                          ------------------------------------------------------------------------
      TIME STEP LENGTH       0.157680E+08    262800.        4380.00        182.500       0.499658
    STRESS PERIOD TIME       0.157680E+08    262800.        4380.00        182.500       0.499658
 TOTAL SIMULATION TIME       0.630720E+08   0.105120E+07    17520.0        730.000        1.99863
1
1                                                 STRESS PERIOD NO.   5, LENGTH =  0.1576800E+08
                                                  ---------------------------------------------

                                                  NUMBER OF TIME STEPS =     1

                                                   MULTIPLIER FOR DELT =     1.000

                                                 INITIAL TIME STEP SIZE =  0.1576800E+08
0             2 WELLS
                                                LAYER    ROW    COL    STRESS RATE   WELL NO.
                                                -------------------------------------------
                                                  1      16     16     0.10000E-03       1
                                                  1      16     18     0.15100E-02       2
0                                                                   RECHARGE =  0.4750000E-07
0REUSING RIVER REACHES FROM LAST STRESS PERIOD
0REUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
   71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  5
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   15.24     (  2, 43,  3)  9.506     (  2,  3,  4)  8.837     (  1, 15, 51)  9.081     (  2, 35, 49)  9.586     (  2, 10, 40)
  -0.6618    (  1, 39, 50)  0.7319    (  1,  2, 50)  0.5739    (  2, 23, 17)  2.689     (  2, 28, 21)  2.703     (  2, 16, 41)
```

```
                    STORAGE =   0.33391E+09                                    STORAGE =    10.898
              CONSTANT HEAD =   0.00000                                  CONSTANT HEAD =   0.00000
                      WELLS =   0.15281E+10                                      WELLS =   0.00000
                   RECHARGE =   0.00000                                       RECHARGE =   0.00000
             RIVER LEAKAGE =   0.00000                                  RIVER LEAKAGE =   0.00000
            HEAD DEP BOUNDS =  0.74001E+07                             HEAD DEP BOUNDS =   0.17009
0                 TOTAL OUT =   0.18694E+10                                  TOTAL OUT =    11.068
0                  IN - OUT =    4864.0                                       IN - OUT =   0.43869E-04
0         PERCENT DISCREPANCY =            0.00                     PERCENT DISCREPANCY =              0.00


0


      TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  3
                          SECONDS       MINUTES        HOURS          DAYS          YEARS
                     ----------------------------------------------------------------------
     TIME STEP LENGTH    0.157680E+08   262800.       4380.00        182.500       0.499658
   STRESS PERIOD TIME    0.157680E+08   262800.       4380.00        182.500       0.499658
 TOTAL SIMULATION TIME   0.473040E+08   788400.       13140.0        547.500        1.49897
1
1                                          STRESS PERIOD NO.   4, LENGTH =  0.1576800E+08
                                           ---------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0          21 WELLS
                                          LAYER    ROW    COL    STRESS RATE   WELL NO.
                                          ---------------------------------------------
                                            2       2      3     -6.6900          1
                                            2       4      3     -6.6900          2
                                            2       6      3     -6.6900          3
                                            2       8      3     -6.6600          4
                                            2      37      3     -6.6900          5
                                            2      41      3     -6.6900          6
                                            2      43      3     -6.6900          7
                                            2      45      3     -6.6900          8
                                            2       2     51     -3.3400          9
                                            2       4     51     -3.3400         10
                                            2       6     51     -3.3400         11
                                            2       8     51     -3.3400         12
                                            2      10     51     -3.3400         13
                                            2      14     51     -3.3400         14
                                            2      18     51     -3.3400         15
                                            2      22     51     -3.3400         16
                                            2      29     51     -3.3400         17
                                            2      37     51     -3.3400         18
                                            2      41     51     -3.3400         19
                                            2      43     51     -3.3400         20
                                            2      45     51     -3.3400         21
0                                                          RECHARGE =  0.0000000
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  4
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.21     (  2, 43,  3)  -9.488     (  2,  3,  4)  -8.863     (  1, 45,  4)  -9.151     (  2, 35, 49)  -9.686     (  2, 10, 40)
   0.7220     (  1, 39, 50) -0.7416     (  1,  2, 50) -0.5751     (  2, 23, 17)  -2.696     (  2, 28, 21)  -2.723     (  2, 16, 41)
   0.2076     (  1, 29, 31)  0.1451     (  2,  4, 49) -0.2901     (  1, 39, 49)  0.8619     (  2, 33, 31)  0.6233     (  2, 18, 21)
  -0.4813E-01 (  1, 29, 31) -0.5785E-01 (  2, 38, 34) -0.1317     (  2, 33, 31) -0.3787     (  2, 26, 28) -0.1979     (  2, 23, 43)
   0.1714E-01 (  1, 28, 29) -0.2665E-01 (  2,  7, 26)  0.7727E-01 (  2, 22, 26)  0.7718E-01 (  2, 41, 28)  0.1218     (  2, 23, 14)
  -0.2128E-01 (  2, 12,  8)  0.3477E-01 (  2, 12, 17)  0.3069E-01 (  2, 13, 19)  0.1197     (  2, 18, 23) -0.6005E-01 (  2, 23, 28)
  -0.7620E-02 (  2,  8, 11) -0.1161E-01 (  2,  7, 12) -0.3734E-01 (  2, 17, 22)  0.1616E-01 (  2, 40, 13)  0.5528E-01 (  2, 14, 20)
   0.1193E-01 (  2, 11,  8)  0.1949E-01 (  2, 19, 12) -0.1347E-01 (  2, 25, 30) -0.6948E-01 (  2, 17, 24)  0.3287E-01 (  2, 22, 28)
   0.3784E-02 (  2,  8, 13)  0.6127E-02 (  2,  7, 13)  0.2026E-01 (  2, 16, 23) -0.1257E-01 (  2, 39, 16) -0.2934E-01 (  2, 13, 21)
  -0.6917E-02 (  2, 10,  8) -0.1132E-01 (  2, 18, 12)  0.8000E-02 (  2, 24, 30)  0.3750E-01 (  2, 17, 25) -0.1764E-01 (  2, 22, 30)
```

```
)              PERCENT DISCREPANCY =              0.00                          PERCENT DISCREPANCY =              0.00


0


          TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  2
                                 SECONDS        MINUTES         HOURS          DAYS           YEARS
                              ----------------------------------------------------------------------
      TIME STEP LENGTH        0.157680E+08    262800.        4380.00        182.500        0.499658
    STRESS PERIOD TIME        0.157680E+08    262800.        4380.00        182.500        0.499658
 TOTAL SIMULATION TIME        0.315360E+08    525600.        8760.00        365.000        0.999316
1
1                                                   STRESS PERIOD NO.   3, LENGTH =  0.1576800E+08
                                                    ---------------------------------------------

                                                    NUMBER OF TIME STEPS =     1

                                                     MULTIPLIER FOR DELT =     1.000

                                                   INITIAL TIME STEP SIZE =  0.1576800E+08
0             2 WELLS
                                                 LAYER    ROW    COL    STRESS RATE   WELL NO.
                                                 ---------------------------------------------
                                                   1      16     16     0.10000E-03       1
                                                   1      16     18     0.12800E-02       2
0                                                                     RECHARGE =  0.4750000E-07
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  3
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
    15.24     (  2, 43,  3)   9.501     (  2,  3,  4)   8.782     (  1, 15, 51)   8.968     (  2, 35, 49)   9.394     (  2, 10, 40)
  -0.6484     (  1, 39, 50)  0.7200     (  1,  2, 50)  0.5692     (  2, 23, 17)   2.667     (  2, 28, 21)   2.678     (  2, 16, 41)
  -0.1525     (  1, 28, 29) -0.1433     (  2,  4, 49)  0.2852     (  1, 39, 49) -0.8533     (  2, 33, 31) -0.6241     (  2, 18, 21)
   0.3602E-01 (  1, 28, 28)  0.5805E-01 (  2, 38, 34)  0.1311     (  2, 33, 31)  0.3793     (  2, 25, 28)  0.1961     (  2, 23, 43)
   0.1625E-01 (  2, 20, 10)  0.2680E-01 (  2,  7, 26) -0.7747E-01 (  2, 22, 26) -0.7711E-01 (  2, 41, 28) -0.1220     (  2, 23, 14)
   0.2140E-01 (  2, 12,  8) -0.3487E-01 (  2, 12, 17) -0.3075E-01 (  2, 13, 19) -0.1198     (  2, 18, 23)  0.6009E-01 (  2, 23, 28)
   0.7644E-02 (  2,  8, 11)  0.1164E-01 (  2,  7, 12)  0.3737E-01 (  2, 17, 22) -0.1610E-01 (  2, 40, 13) -0.5531E-01 (  2, 14, 20)
  -0.1196E-01 (  2, 11,  8) -0.1952E-01 (  2, 19, 12)  0.1346E-01 (  2, 25, 30)  0.6948E-01 (  2, 17, 24) -0.3287E-01 (  2, 22, 28)
  -0.3793E-02 (  2,  8, 13) -0.6138E-02 (  2,  7, 13) -0.2026E-01 (  2, 16, 23)  0.1251E-01 (  2, 39, 16)  0.2933E-01 (  2, 14, 21)
   0.6927E-02 (  2, 10,  8)  0.1133E-01 (  2, 18, 12) -0.7989E-02 (  2, 24, 30) -0.3749E-01 (  2, 17, 25)  0.1763E-01 (  2, 23, 30)
   0.2132E-02 (  2,  8, 14)  0.3492E-02 (  2, 17, 25)  0.1112E-01 (  2, 16, 24) -0.6368E-02 (  2, 22, 29)  0.1698E-01 (  2, 19, 14)
  -0.3992E-02 (  2, 10,  8) -0.6527E-02 (  2, 13, 10)  0.4489E-02 (  2, 24, 31)  0.2082E-01 (  2, 16, 26) -0.1032E-01 (  2, 11, 22)
  -0.1278E-02 (  2,  8, 15) -0.2179E-02 (  2, 18, 26) -0.6209E-02 (  2, 17, 26) -0.3335E-02 (  2,  9,  8) -0.1057E-01 (  2, 19, 15)
   0.2247E-02 (  2, 10,  9)  0.3847E-02 (  2, 12, 10) -0.2644E-02 (  2, 12, 23) -0.1176E-01 (  2, 16, 27)  0.6583E-02 (  2, 11, 23)
   0.7917E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                        VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD  3
                        ----------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                       IN:                                                            IN:
                       ---                                                            ---
                         STORAGE =   0.18735E+09                                        STORAGE =   0.00000
                   CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =    56134.                                              WELLS =   0.13800E-02
                        RECHARGE =   0.10354E+09                                       RECHARGE =    3.2832
                   RIVER LEAKAGE =   0.47247E+08                                  RIVER LEAKAGE =   0.99880
                  HEAD DEP BOUNDS =  0.15312E+10                                 HEAD DEP BOUNDS =    6.7851
0                       TOTAL IN =   0.18694E+10                                       TOTAL IN =    11.068
0                      OUT:                                                           OUT:
                       ----                                                           ----
```

```
                                                  2      6      3     -6.6900          3
                                                  2      8      3     -6.6600          4
                                                  2     37      3     -6.6900          5
                                                  2     41      3     -6.6900          6
                                                  2     43      3     -6.6900          7
                                                  2     45      3     -6.6900          8
                                                  2      2     51     -3.3400          9
                                                  2      4     51     -3.3400         10
                                                  2      6     51     -3.3400         11
                                                  2      8     51     -3.3400         12
                                                  2     10     51     -3.3400         13
                                                  2     14     51     -3.3400         14
                                                  2     18     51     -3.3400         15
                                                  2     22     51     -3.3400         16
                                                  2     29     51     -3.3400         17
                                                  2     37     51     -3.3400         18
                                                  2     41     51     -3.3400         19
                                                  2     43     51     -3.3400         20
                                                  2     45     51     -3.3400         21
0                                                                RECHARGE =  0.0000000
OREUSING RIVER REACHES FROM LAST STRESS PERIOD
OREUSING HEAD-DEPENDENT BOUNDS FROM LAST STRESS PERIOD
0
    71 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  2
OMAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
 ---------------------------------------------------------------------------------------------------------------------------------
   -15.22     (  2, 43,  3)  -9.502     (  2,  3,  4)  -9.110     (  1, 15, 51)  -9.580     (  2, 34, 49)  -10.25     (  2, 10, 40)
   0.7384     (  1, 39, 50) -0.7797     (  1,  2, 50) -0.5952     (  2, 23, 17)  -2.797     (  2, 28, 21)  -2.804     (  2, 16, 41)
   0.2079     (  1, 28, 29)  0.1509     (  2,  4, 49) -0.3003     (  1, 39, 49)  0.8922     (  2, 34, 30)  0.6376     (  2, 18, 21)
  -0.4852E-01 (  1, 29, 31) -0.5884E-01 (  2, 38, 34) -0.1359     (  2, 33, 31) -0.3860     (  2, 26, 28) -0.2046     (  2, 23, 43)
   0.1735E-01 (  1, 28, 29) -0.2716E-01 (  2,  7, 26)  0.7867E-01 (  2, 22, 26)  0.7880E-01 (  2, 41, 27)  0.1244     (  2, 23, 14)
  -0.2145E-01 (  2, 12,  8)  0.3536E-01 (  2, 12, 17)  0.3127E-01 (  2, 13, 19)  0.1216     (  2, 18, 23) -0.6139E-01 (  2, 23, 28)
  -0.7776E-02 (  2,  8, 11) -0.1178E-01 (  2,  7, 12) -0.3804E-01 (  2, 17, 22)  0.1640E-01 (  2, 40, 13)  0.5650E-01 (  2, 14, 20)
   0.1210E-01 (  2, 11,  8)  0.1980E-01 (  2, 19, 12) -0.1369E-01 (  2, 25, 30) -0.7078E-01 (  2, 17, 24)  0.3353E-01 (  2, 22, 28)
   0.3843E-02 (  2,  8, 13)  0.6218E-02 (  2,  7, 13)  0.2064E-01 (  2, 16, 23) -0.1287E-01 (  2, 39, 16) -0.2995E-01 (  2, 14, 21)
  -0.7016E-02 (  2, 10,  8) -0.1152E-01 (  2, 18, 12)  0.8163E-02 (  2, 24, 30)  0.3821E-01 (  2, 17, 25) -0.1802E-01 (  2, 22, 29)
  -0.2160E-02 (  2,  8, 14) -0.3547E-02 (  2, 17, 25) -0.1134E-01 (  2, 16, 24)  0.6623E-02 (  2, 22, 29) -0.1719E-01 (  2, 20, 15)
   0.4056E-02 (  2, 10,  8)  0.6627E-02 (  1, 12,  9) -0.4606E-02 (  2, 24, 31) -0.2121E-01 (  2, 16, 26)  0.1043E-01 (  2, 11, 22)
   0.1294E-02 (  2,  8, 15)  0.2212E-02 (  2, 18, 26)  0.6327E-02 (  2, 17, 26)  0.3371E-02 (  2,  9,  8)  0.1070E-01 (  2, 19, 15)
  -0.2278E-02 (  2, 10,  9) -0.3911E-02 (  1, 11,  9)  0.2669E-02 (  2, 12, 23)  0.1200E-01 (  2, 16, 27) -0.6668E-02 (  2, 11, 23)
  -0.8023E-03 (  2,  8, 16)
0
OHEAD/DRAWDOWN PRINTOUT FLAG = 0     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG
0


                        VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD  2
                        ---------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T

                  ------------------                                            ------------------------

                       IN:                                                            IN:
                       ---                                                            ---
                         STORAGE =   0.18735E+09                                        STORAGE =    11.882
                   CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =    34374.                                              WELLS =   0.00000
                        RECHARGE =   0.51770E+08                                       RECHARGE =   0.00000
                   RIVER LEAKAGE =   0.31498E+08                                  RIVER LEAKAGE =   0.99880
                 HEAD DEP BOUNDS =   0.14242E+10                                HEAD DEP BOUNDS =    84.033
0                      TOTAL IN =   0.16949E+10                                       TOTAL IN =    96.914
0                      OUT:                                                           OUT:
                       ----                                                           ----
                         STORAGE =   0.16207E+09                                        STORAGE =   0.38167E-02
                   CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =   0.15281E+10                                              WELLS =    96.910
                        RECHARGE =   0.00000                                       RECHARGE =   0.00000
                   RIVER LEAKAGE =   0.00000                                  RIVER LEAKAGE =   0.00000
                 HEAD DEP BOUNDS =   0.47181E+07                                HEAD DEP BOUNDS =   0.00000
0                     TOTAL OUT =   0.16949E+10                                      TOTAL OUT =    96.914
0                      IN - OUT =    4224.0                                           IN - OUT =   0.16022E-03
```

```
   21.99     (  2, 46,  1)   7.565     (  2,  3,  3)   7.969     (  1, 36,  3)   7.185     (  2, 14,  6)   7.400     (  2, 40, 12)
  -0.5366    (  1, 25, 10) -0.3382     (  1, 20,  5) -0.3985     (  2, 18,  5)   1.457     (  2, 25, 25)   1.800     (  2, 18, 38)
  -0.9717E-01 (  1, 29, 32) -0.8022E-01 (  2,  3, 49)  0.1565     (  1, 47, 49) -0.4366     (  2, 30, 32) -0.2820     (  2, 14, 20)
   0.1664E-01 (  1, 30, 34) -0.2484E-01 (  2, 21, 12)  0.5579E-01 (  2, 27, 32)  0.1607     (  2, 27, 31)  0.1074     (  2, 22, 43)
  -0.7201E-02 (  1, 29, 32)  0.9445E-02 (  2, 29, 18) -0.3157E-01 (  2, 33, 34) -0.5547E-01 (  2, 31, 38) -0.4796E-01 (  2, 13, 33)
   0.6571E-02 (  2, 11,  8) -0.1199E-01 (  2, 20, 25) -0.1459E-01 (  2, 20, 26) -0.3386E-01 (  2, 16, 22)  0.2193E-01 (  2, 22, 27)
   0.2228E-02 (  2, 38,  8)  0.5000E-02 (  2, 15, 21)  0.1256E-01 (  2, 14, 20) -0.1459E-01 (  2, 23, 27) -0.1992E-01 (  2, 13, 20)
  -0.3355E-02 (  2, 11,  8) -0.6374E-02 (  2, 18, 12)  0.6796E-02 (  2, 23, 28)  0.2069E-01 (  2, 17, 24) -0.1342E-01 (  2, 22, 29)
   0.1256E-02 (  2, 17, 10) -0.2789E-02 (  2, 16, 23) -0.6810E-02 (  2, 15, 22)  0.8550E-02 (  2, 24, 28)  0.1093E-01 (  2, 14, 22)
   0.2092E-02 (  2, 10,  8)  0.3568E-02 (  2, 18, 12) -0.3949E-02 (  2, 24, 30) -0.1210E-01 (  2, 17, 25)  0.7128E-02 (  2, 23, 30)
  -0.7653E-03 (  2, 17, 11)
0
0HEAD/DRAWDOWN PRINTOUT FLAG = 1     TOTAL BUDGET PRINTOUT FLAG = 0     CELL-BY-CELL FLOW TERM FLAG = 0
0OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:
   HEAD     DRAWDOWN  HEAD  DRAWDOWN
 PRINTOUT  PRINTOUT  SAVE    SAVE
 ---------------------------------
     0         0       0       0
0


                         VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP  1 IN STRESS PERIOD  1
                         ---------------------------------------------------------------------------
0                 CUMULATIVE VOLUMES      L**3                                  RATES FOR THIS TIME STEP      L**3/T
                  ------------------                                            ------------------------

                       IN:                                                            IN:
                       ---                                                            ---
                         STORAGE =   0.00000                                            STORAGE =   0.00000
                  CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =    34374.                                             WELLS =   0.21800E-02
                        RECHARGE =   0.51770E+08                                       RECHARGE =    3.2832
                  RIVER LEAKAGE =   0.15749E+08                                  RIVER LEAKAGE =   0.99880
                 HEAD DEP BOUNDS =   0.99176E+08                                HEAD DEP BOUNDS =    6.2897
0                      TOTAL IN =   0.16673E+09                                      TOTAL IN =    10.574
0                     OUT:                                                           OUT:
                      ----                                                           ----
                         STORAGE =   0.16201E+09                                        STORAGE =    10.275
                  CONSTANT HEAD =   0.00000                                      CONSTANT HEAD =   0.00000
                           WELLS =   0.00000                                             WELLS =   0.00000
                        RECHARGE =   0.00000                                       RECHARGE =   0.00000
                  RIVER LEAKAGE =   0.00000                                      RIVER LEAKAGE =   0.00000
                 HEAD DEP BOUNDS =   0.47181E+07                                HEAD DEP BOUNDS =   0.29922
0                     TOTAL OUT =   0.16673E+09                                      TOTAL OUT =    10.574
0                      IN - OUT =    1584.0                                           IN - OUT =   0.10109E-03
0             PERCENT DISCREPANCY =              0.00                         PERCENT DISCREPANCY =                0.00


0


        TIME SUMMARY AT END OF TIME STEP  1 IN STRESS PERIOD  1
                              SECONDS       MINUTES        HOURS          DAYS          YEARS
                          ---------------------------------------------------------------------
     TIME STEP LENGTH       0.157680E+08   262800.       4380.00        182.500       0.499658
   STRESS PERIOD TIME       0.157680E+08   262800.       4380.00        182.500       0.499658
 TOTAL SIMULATION TIME      0.157680E+08   262800.       4380.00        182.500       0.499658
1
1                                          STRESS PERIOD NO.   2, LENGTH =  0.1576800E+08
                                           -------------------------------------------

                                           NUMBER OF TIME STEPS =     1

                                            MULTIPLIER FOR DELT =     1.000

                                          INITIAL TIME STEP SIZE =  0.1576800E+08
0            21 WELLS
                                          LAYER    ROW    COL    STRESS RATE   WELL NO.
                                          ---------------------------------------------
                                            2       2      3     -6.6900          1
                                            2       4      3     -6.6900          2
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                2       34       1    16.00         25.00         128
                2       35       1    16.00         25.00         129
                2       36       1    16.00         25.00         130
                2       37       1    16.00         50.00         131
                2       38       1    16.00         50.00         132
                2       39       1    16.00         100.0         133
                2       40       1    16.00         100.0         134
                2       41       1    16.00         100.0         135
                2       42       1    16.00         100.0         136
                2       43       1    16.00         100.0         137
                2       44       1    16.00         100.0         138
                2       45       1    16.00         100.0         139
                2       46       1    16.00         200.0         140
                2       47       1    16.00         200.0         141
                2        1      54    2.000         200.0         142
                2        2      54    2.000         100.0         143
                2        3      54    2.000         100.0         144
                2        4      54    2.000         100.0         145
                2        5      54    2.000         100.0         146
                2        6      54    2.000         100.0         147
                2        7      54    2.000         100.0         148
                2        8      54    2.000         100.0         149
                2        9      54    2.000         100.0         150
                2       10      54    2.000         50.00         151
                2       11      54    2.000         50.00         152
                2       12      54    2.000         50.00         153
                2       13      54    2.000         50.00         154
                2       14      54    2.000         50.00         155
                2       15      54    2.000         50.00         156
                2       16      54    2.000         50.00         157
                2       17      54    2.000         50.00         158
                2       18      54    2.000         50.00         159
                2       19      54    2.000         50.00         160
                2       20      54    2.000         50.00         161
                2       21      54    2.000         50.00         162
                2       22      54    2.000         50.00         163
                2       23      54    2.000         25.00         164
                2       24      54    2.000         25.00         165
                2       25      54    2.000         25.00         166
                2       26      54    2.000         25.00         167
                2       27      54    2.000         25.00         168
                2       28      54    2.000         25.00         169
                2       29      54    2.000         25.00         170
                2       30      54    2.000         25.00         171
                2       31      54    2.000         25.00         172
                2       32      54    2.000         25.00         173
                2       33      54    2.000         25.00         174
                2       34      54    2.000         25.00         175
                2       35      54    2.000         25.00         176
                2       36      54    2.000         25.00         177
                2       37      54    2.000         50.00         178
                2       38      54    2.000         50.00         179
                2       39      54    2.000         100.0         180
                2       40      54    2.000         100.0         181
                2       41      54    2.000         100.0         182
                2       42      54    2.000         100.0         183
                2       43      54    2.000         100.0         184
                2       44      54    2.000         100.0         185
                2       45      54    2.000         100.0         186
                2       46      54    2.000         200.0         187
                2       47      54    2.000         200.0         188
0AVERAGE SEED = 0.00030829
 MINIMUM SEED = 0.00002034
0
    5 ITERATION PARAMETERS CALCULATED FROM AVERAGE SEED:

          0.0000000E+00  0.8674930E+00  0.9824419E+00  0.9976735E+00  0.9996917E+00
0
    51 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD  1
0MAXIMUM HEAD CHANGE FOR EACH ITERATION:
0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL
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1	9	54	2.000	0.1200	56
1	10	54	2.000	0.6000E-01	57
1	11	54	2.000	0.6000E-01	58
1	12	54	2.000	0.6000E-01	59
1	13	54	2.000	0.6000E-01	60
1	14	54	2.000	0.6000E-01	61
1	15	54	2.000	0.6000E-01	62
1	16	54	2.000	0.6000E-01	63
1	17	54	2.000	0.6000E-01	64
1	18	54	2.000	0.6000E-01	65
1	19	54	2.000	0.6000E-01	66
1	20	54	2.000	0.6000E-01	67
1	21	54	2.000	0.6000E-01	68
1	22	54	2.000	0.6000E-01	69
1	23	54	2.000	0.3000E-01	70
1	24	54	2.000	0.3000E-01	71
1	25	54	2.000	0.3000E-01	72
1	26	54	2.000	0.3000E-01	73
1	27	54	2.000	0.3000E-01	74
1	28	54	2.000	0.3000E-01	75
1	29	54	2.000	0.3000E-01	76
1	30	54	2.000	0.3000E-01	77
1	31	54	2.000	0.3000E-01	78
1	32	54	2.000	0.3000E-01	79
1	33	54	2.000	0.3000E-01	80
1	34	54	2.000	0.3000E-01	81
1	35	54	2.000	0.3000E-01	82
1	36	54	2.000	0.3000E-01	83
1	37	54	2.000	0.6000E-01	84
1	38	54	2.000	0.6000E-01	85
1	39	54	2.000	0.1200	86
1	40	54	2.000	0.1200	87
1	41	54	2.000	0.1200	88
1	42	54	2.000	0.1200	89
1	43	54	2.000	0.1200	90
1	44	54	2.000	0.1200	91
1	45	54	2.000	0.1200	92
1	46	54	2.000	0.2400	93
1	47	54	2.000	0.2400	94
2	1	1	16.00	200.0	95
2	2	1	16.00	100.0	96
2	3	1	16.00	100.0	97
2	4	1	16.00	100.0	98
2	5	1	16.00	100.0	99
2	6	1	16.00	100.0	100
2	7	1	16.00	100.0	101
2	8	1	16.00	100.0	102
2	9	1	16.00	100.0	103
2	10	1	16.00	50.00	104
2	11	1	16.00	50.00	105
2	12	1	16.00	50.00	106
2	13	1	16.00	50.00	107
2	14	1	16.00	50.00	108
2	15	1	16.00	50.00	109
2	16	1	16.00	50.00	110
2	17	1	16.00	50.00	111
2	18	1	16.00	50.00	112
2	19	1	16.00	50.00	113
2	20	1	16.00	50.00	114
2	21	1	16.00	50.00	115
2	22	1	16.00	50.00	116
2	23	1	16.00	25.00	117
2	24	1	16.00	25.00	118
2	25	1	16.00	25.00	119
2	26	1	16.00	25.00	120
2	27	1	16.00	25.00	121
2	28	1	16.00	25.00	122
2	29	1	16.00	25.00	123
2	30	1	16.00	25.00	124
2	31	1	16.00	25.00	125
2	32	1	16.00	25.00	126
2	33	1	16.00	25.00	127

1	33	41	24.00	0.3100E-02	20.00	38
1	33	42	24.00	0.6300E-02	20.00	39
1	34	43	24.00	0.6300E-02	20.00	40
1	35	44	24.00	0.6300E-02	20.00	41
1	36	45	24.00	0.6300E-02	20.00	42
1	36	46	24.00	0.6300E-02	20.00	43
1	37	47	24.00	0.6300E-02	20.00	44
1	38	48	24.00	0.1250E-01	20.00	45
1	38	49	24.00	0.1250E-01	20.00	46
1	39	50	24.00	0.1250E-01	20.00	47
1	39	51	24.00	0.1250E-01	20.00	48
1	40	52	24.00	0.1250E-01	20.00	49

0

188 HEAD-DEPENDENT BOUNDARY NODES

0

LAYER	ROW	COL	ELEVATION	CONDUCTANCE	BOUND NO.
1	1	1	16.00	0.2400	1
1	2	1	16.00	0.1200	2
1	3	1	16.00	0.1200	3
1	4	1	16.00	0.1200	4
1	5	1	16.00	0.1200	5
1	6	1	16.00	0.1200	6
1	7	1	16.00	0.1200	7
1	8	1	16.00	0.1200	8
1	9	1	16.00	0.1200	9
1	10	1	16.00	0.6000E-01	10
1	11	1	16.00	0.6000E-01	11
1	12	1	16.00	0.6000E-01	12
1	13	1	16.00	0.6000E-01	13
1	14	1	16.00	0.6000E-01	14
1	15	1	16.00	0.6000E-01	15
1	16	1	16.00	0.6000E-01	16
1	17	1	16.00	0.6000E-01	17
1	18	1	16.00	0.6000E-01	18
1	19	1	16.00	0.6000E-01	19
1	20	1	16.00	0.6000E-01	20
1	21	1	16.00	0.6000E-01	21
1	22	1	16.00	0.6000E-01	22
1	23	1	16.00	0.3000E-01	23
1	24	1	16.00	0.3000E-01	24
1	25	1	16.00	0.3000E-01	25
1	26	1	16.00	0.3000E-01	26
1	27	1	16.00	0.3000E-01	27
1	28	1	16.00	0.3000E-01	28
1	29	1	16.00	0.3000E-01	29
1	30	1	16.00	0.3000E-01	30
1	31	1	16.00	0.3000E-01	31
1	32	1	16.00	0.3000E-01	32
1	33	1	16.00	0.3000E-01	33
1	34	1	16.00	0.3000E-01	34
1	35	1	16.00	0.3000E-01	35
1	36	1	16.00	0.3000E-01	36
1	37	1	16.00	0.6000E-01	37
1	38	1	16.00	0.6000E-01	38
1	39	1	16.00	0.1200	39
1	40	1	16.00	0.1200	40
1	41	1	16.00	0.1200	41
1	42	1	16.00	0.1200	42
1	43	1	16.00	0.1200	43
1	44	1	16.00	0.1200	44
1	45	1	16.00	0.1200	45
1	46	1	16.00	0.2400	46
1	47	1	16.00	0.2400	47
1	1	54	2.000	0.2400	48
1	2	54	2.000	0.1200	49
1	3	54	2.000	0.1200	50
1	4	54	2.000	0.1200	51
1	5	54	2.000	0.1200	52
1	6	54	2.000	0.1200	53
1	7	54	2.000	0.1200	54
1	8	54	2.000	0.1200	55