FINAL
PHASE III RFI/RI WORK PLAN

ROCKY FLATS PLANT
881 HILLSIDE AREA
(OPERABLE UNIT NO. 1)

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U S DEPARTMENT OF ENERGY

Rocky Flats Plant
Golden, Colorado

ENVIRONMENTAL RESTORATION PROGRAM

October 1990

Volume III -- Appendices

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ADMIN RECORD

REVIEWED FOR CLASSIFICATION/UCNI
By George H. Setlock
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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L			Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L			pH pH Unit
0187	10/12/87	4	DRY														
0187	02/10/88	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS														
0187	04/11/88	2	DRY														
0187	04/11/88	2	DRY														
0187	07/20/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS														
0187	10/26/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS														
0187	01/12/89	1	DRY														
0187	04/24/89	2	DRY														
0187	06/06/89	2	0 14			59	A	110	V	810	A	640	V	5	U	V	7 1
0187	07/31/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS														
0187	08/17/89	4	0 55		A	51	A	120	V	830	A	600	V	5	U	V	7 0
0187	10/27/89	4	0 05	U		23	V	84	V	460	A	320	A	5	U	A	7 3
0187	10/30/89	4	0 05	U	V	NR		NR		NR		NR		NR			NR
0187	02/02/90		0 06		V	55	V	96	V	740	V	630	V	5	U	V	7 5
5187	11/23/87	4	DRY														
5187	02/12/88	1	DRY														
5187	04/18/88	2	DRY														
5187	07/18/88	3	DRY														
5187	10/21/88	4	DRY														
5187	01/18/89	1	DRY														
5187	04/14/89	2	DRY														
5187	06/12/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS														
5187	07/24/89	3	DRY														
5187	08/14/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS														
5187	10/27/89	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS														
5187	03/23/90		DRY														
5287	11/23/87	4	0 02	U		59 5		133		700		112		NR			NR
5287	11/23/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS														
5287	02/12/88	1	0 02	U		67 3		186		814		502		NR			NR
5287	04/18/88	2	0 02	U		76 9		241		936		359		NR			NR
5287	07/18/88	3	0 06			85 6		225		878		460		NR			NR
5287	10/18/88	4	0 02	U	A	2 90	A	197	A	799	A	443	A	NR			NR
5287	01/16/89	1	0 02	U	V	61 2	V	587	V	814	A	398	V	NR			NR
5287	04/19/89	2	0 25		A	73 7	A	214	A	902	A	461	V	NR			NR
5287	06/12/89	2	0 92		V	71	V	220	V	950	V	610	V	5	U	V	7 1
5287	06/12/89	2	0 86		V	80	V	250	V	990	V	600	V	5	U	V	7 2

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications; V = Valid

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
0187	10/12/87	4	DRY
0187	02/10/88	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0187	04/11/88	2	DRY
0187	04/11/88	2	DRY
0187	07/20/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0187	10/26/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0187	01/12/89	1	DRY
0187	04/24/89	2	DRY
0187	06/06/89	2	NR
0187	07/31/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0187	08/17/89	4	NR
0187	10/27/89	4	NR
0187	10/30/89	4	NR
0187	02/02/90		NR
5187	11/23/87	4	DRY
5187	02/12/88	1	DRY
5187	04/18/88	2	DRY
5187	07/18/88	3	DRY
5187	10/21/88	4	DRY
5187	01/18/89	1	DRY
5187	04/14/89	2	DRY
5187	06/12/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5187	07/24/89	3	DRY
5187	08/14/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5187	10/27/89	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5187	03/23/90		DRY
5287	11/23/87	4	NR
5287	11/23/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5287	02/12/88	1	NR
5287	04/18/88	2	NR
5287	07/18/88	3	NR
5287	10/18/88	4	NR
5287	01/16/89	1	NR
5287	04/19/89	2	NR
5287	06/12/89	2	0 0100 U
5287	06/12/89	2	0 0100 U

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
5287	07/24/89	3	0 35		78 0		221		984		508		NR		NR
5287	08/14/89	3	0 36	V	73	V	230	V	1000	A	560	V	5 U	V	7 4
5287	10/27/89	4	0 24	V	79	V	240	A	1000	A	520	A	5 U	A	7 3
5287	01/29/90	1	0 27	V	73	V	240	V	960	V	570	V	5 U	V	7 2

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L		
5287	07/24/89	3	NR		
5287	08/14/89	3	0 0100	U	V
5287	10/27/89	4	NR		
5287	01/29/90	1	NR		

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
6886	10/21/88	4	DRY						
6886	01/18/89	1	DRY						
6886	04/14/89	2	DRY						
6886	07/31/89		DRY						
6886	11/20/89	4	0 05 U	13 V	22 A	400 A	160 V	5 U V	7 2
6886	11/20/89	4	0 05 U	13 V	22 A	400 A	170 V	5 U V	7 2
6886	02/13/90		0 05 U V	16 V	28 V	220 V	150 V	5 U V	7 4
5587	11/30/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5587	11/30/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5587	02/15/88	1	DRY						
5587	04/11/88	2	DRY						
5587	07/13/88	3	DRY						
5587	10/21/88	4	DRY						
5587	01/18/89	1	DRY						
5587	04/14/89	2	DRY						
5587	06/02/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5587	07/10/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5587	07/24/89	3	DRY						
5587	10/16/89	4	DRY						
5587	01/16/90	1	DRY						

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
6886	10/21/88	4	DRY
6886	01/18/89	1	DRY
6886	04/14/89	2	DRY
6886	07/31/89		DRY
6886	11/20/89	4	0 0100 U
6886	11/20/89	4	0 0100 U
6886	02/13/90		NR
5587	11/30/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5587	11/30/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5587	02/15/88	1	DRY
5587	04/11/88	2	DRY
5587	07/13/88	3	DRY
5587	10/21/88	4	DRY
5587	01/18/89	1	DRY
5587	04/14/89	2	DRY
5587	06/02/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5587	07/10/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5587	07/24/89	3	DRY
5587	10/16/89	4	DRY
5587	01/16/90	1	DRY

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
5886	09/13/86	3	DRY						
5886	07/14/87	3	DRY						
5886	10/12/87	4	DRY						
5886	02/15/88	1	DRY						
5886	04/07/88	2	DRY						
5886	07/13/88	3	DRY						
5886	10/21/88	4	DRY						
5886	01/18/89	1	DRY						
5886	04/14/89	2	DRY						
5886	07/31/89		DRY						
5886	11/28/89	4	DRY						
5886	01/16/90	1	DRY						
6486	09/13/86	3	DRY						
6486	04/29/87	1	1 28	38 0	168	438	162	NR	NR
6486	05/28/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6486	07/16/87	3	0 99	44 0	133	742	306	NR	NR
6486	10/12/87	4	DRY						
6486	02/17/88	1	0 18	54 1	168	616	235	NR	NR
6486	04/11/88	2	0 56	49 7	180	593	213	NR	NR
6486	07/13/88	3	DRY						
6486	10/21/88	4	DRY						
6486	01/18/89	1	DRY						
6486	04/24/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6486	05/31/89	2	NR	76 V	290 V	740 V	290 V	5 U V	7 6
6486	07/10/89	3	0 74 V	35 V	140 V	510 V	29 V	5 U V	7 8
6486	07/24/89	3	DRY						
6486	10/16/89	4	DRY						
6486	02/08/90		DRY						
6886	09/22/86	3	55	16	37	280	NR	NR	NR
6886	04/29/87	1	0 50	18 0	94 0	166	56 8	NR	NR
6886	05/28/87	2	0 20 U	12 2	24 0	175	116	NR	NR
6886	07/15/87	3	0 20 U	12 5	21 0	207	151	NR	NR
6886	10/12/87	4	DRY						
6886	02/15/88	1	DRY						
6886	04/07/88	2	0 05	32 2	20 0	153	53 9	NR	NR
6886	07/13/88	3	DRY						

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
5886	09/13/86	3	DRY
5886	07/14/87	3	DRY
5886	10/12/87	4	DRY
5886	02/15/88	1	DRY
5886	04/07/88	2	DRY
5886	07/13/88	3	DRY
5886	10/21/88	4	DRY
5886	01/18/89	1	DRY
5886	04/14/89	2	DRY
5886	07/31/89		DRY
5886	11/28/89	4	DRY
5886	01/16/90	1	DRY
6486	09/13/86	3	DRY
6486	04/29/87	1	1 0 U
6486	05/28/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
6486	07/16/87	3	1 U
6486	10/12/87	4	DRY
6486	02/17/88	1	NR
6486	04/11/88	2	NR
6486	07/13/88	3	DRY
6486	10/21/88	4	DRY
6486	01/18/89	1	DRY
6486	04/24/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
6486	05/31/89	2	NR
6486	07/10/89	3	NR
6486	07/24/89	3	DRY
6486	10/16/89	4	DRY
6486	02/08/90		DRY
6886	09/22/86	3	0 005 U
6886	04/29/87	1	1 0 U
6886	05/28/87	2	1 0 U
6886	07/15/87	3	1 U
6886	10/12/87	4	DRY
6886	02/15/88	1	DRY
6886	04/07/88	2	NR
6886	07/13/88	3	DRY

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
0974	08/29/86	3	91 2	400	320	1370	NR	NR	NR
0974	03/09/87	1	34 0	378	173	1536	231	NR	NR
0974	04/09/87	1	8 80	294	180	1176	244	NR	NR
0974	05/21/87	2	7 60	276	235	1313	253	NR	NR
0974	07/02/87	3	10 0	304	300	1445	258	NR	NR
0974	08/11/87	3	DRY						
0974	10/20/87	4	26 8	449	213	1588	256	NR	NR
0974	10/28/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0974	11/17/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0974	02/25/88	1	8 67	250	230	1253	161	NR	NR
0974	04/14/88	2	7 57	221	273	1189	264	NR	NR
0974	04/15/88	2	7 62	224	268	1188	241	NR	NR
0974	07/20/88	3	10 34 J A	290 J A	300 J A	1231 J A	272 J A	NR	NR
0974	10/25/88	4	32 7 A	369 A	239 A	1516 A	226 A	NR	NR
0974	01/25/89	1	28 9 V	379 V	246 V	1589 A	213 V	NR	NR
0974	04/24/89	2	27 9 A	385 A	239 V	1701 A	234 V	NR	NR
0974	05/15/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0974	05/15/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0974	05/16/89	2	26 A	300 V	200 V	840 A	290 V	5 U V	7 6
0974	05/16/89	2	Data not yet received						
0974	07/26/89		DRY						
0974	08/22/89	3	62 V	520 V	210 A	2000 A	250 A	5 U A	7 6
0974	08/22/89	3	54 V	500 V	220 A	2000 A	250 A	5 U A	7 6
0974	10/26/89	4	NR	520 V	210 V	1900 A	280 A	5 U A	7 5
0974	10/27/89	4	47 V	NR	NR	NR	NR	NR	NR
0974	02/06/90		40 V	480 V	170 V	1800 V	240 V	5 U V	7 5
0974	02/13/90		INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1074	05/21/87	2	55	355	358	1833	284	NR	NR
1074	07/01/87	3	DRY						
1074	10/20/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1074	10/20/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1074	02/25/88	1	36 7	314	311	1646	165	NR	NR
1074	07/19/88	3	41 7 J A	325 V	313 J A	1530 J A	269 J A	NR	NR
1074	10/25/88	4	40 3 A	302 A	282 A	1462 A	255 A	NR	NR
1074	01/16/89	1	39 5 V	321 V	287 V	1513 A	220 V	NR	NR
1074	04/24/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1074	06/09/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
0974	08/29/86	3	0 005 U
0974	03/09/87	1	1 0 U
0974	04/09/87	1	NR
0974	05/21/87	2	1 0 U
0974	07/02/87	3	1 U
0974	08/11/87	3	DRY
0974	10/20/87	4	NR
0974	10/28/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0974	11/17/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0974	02/25/88	1	NR
0974	04/14/88	2	NR
0974	04/15/88	2	NR
0974	07/20/88	3	NR
0974	10/25/88	4	NR
0974	01/25/89	1	NR
0974	04/24/89	2	NR
0974	05/15/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0974	05/15/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0974	05/16/89	2	0 0174
0974	05/16/89	2	Data not yet received
0974	07/26/89		DRY
0974	08/22/89	3	0 0100 U
0974	08/22/89	3	0 0139
0974	10/26/89	4	10 2 V
0974	10/27/89	4	NR
0974	02/06/90		NR
0974	02/13/90		INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
1074	05/21/87	2	1 0 U
1074	07/01/87	3	DRY
1074	10/20/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
1074	10/20/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
1074	02/25/88	1	NR
1074	07/19/88	3	NR
1074	10/25/88	4	NR
1074	01/16/89	1	NR
1074	04/24/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
1074	06/09/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
1074	06/09/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1074	06/10/89	2	31 V	270 V	300 V	1400 V	300 V	5 U V	7 6
1074	06/12/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1074	07/26/89	3	36 0	298	308	1690	269	NR	NR
1074	07/27/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
1074	08/23/89	3	48	350 V	330 V	1400 A	310 V	5 U V	7 7
1074	08/23/89	3	48 V	340 V	290 V	1400 A	310 V	5 U V	7 6
1074	10/26/89	4	35 V	340 V	280 V	1500 A	330 A	5 U A	7 5
1074	02/05/90		39 V	350 V	230 V	1600 V	330 V	5 U V	7 6
1074	02/13/90		INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6386	10/06/86	4	DRY						
6386	07/06/87	3	DRY						
6386	10/14/87	4	DRY						
6386	02/17/88	1	DRY						
6386	04/13/88	2	DRY						
6386	07/18/88	3	DRY						
6386	10/21/88	4	DRY						
6386	01/18/89	1	DRY						
6386	04/14/89	2	DRY						
6386	06/10/89	2	DRY						
6386	07/19/89	3	DRY						
6386	07/26/89	3	DRY						
6386	10/18/89	4	DRY						
6386	01/16/90	1	DRY						
6986	10/08/86	4	NR	130	340	1000	NR	NR	NR
6986	10/08/86	4	NR	130	320	1000	NR	NR	NR
6986	04/29/87	1	2 30	114	270	1017	385	NR	NR
6986	05/26/87	2	1 80	85 5	53 0	929	379	NR	NR
6986	07/06/87	3	1 72	85	167	892	362	NR	NR
6986	10/07/87	4	1 10	91 1	173	841	375	NR	NR
6986	10/08/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6986	02/10/88	1	1 66	113	260	997	401	NR	NR
6986	04/11/88	2	3 90	102	233	960	387	NR	NR
6986	07/18/88	3	4 29 J A	104 J A	256 J A	915 J A	382 J A	NR	NR
6986	10/20/88	4	1 92 A	18 2 A	253 A	894 A	337 A	NR	NR
6986	01/12/89	1	1 72 V	124 V	290 V	974 A	276 V	NR	NR

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
1074	06/09/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
1074	06/10/89	2	0 0035
1074	06/12/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
1074	07/26/89	3	NR
1074	07/27/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
1074	08/23/89	3	0 0100 U V
1074	08/23/89	3	0 0100 U V
1074	10/26/89	4	10 0 U V
1074	02/05/90		NR
1074	02/13/90		INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
6386	10/06/86	4	DRY
6386	07/06/87	3	DRY
6386	10/14/87	4	DRY
6386	02/17/88	1	DRY
6386	04/13/88	2	DRY
6386	07/18/88	3	DRY
6386	10/21/88	4	DRY
6386	01/18/89	1	DRY
6386	04/14/89	2	DRY
6386	06/10/89	2	DRY
6386	07/19/89	3	DRY
6386	07/26/89	3	DRY
6386	10/18/89	4	DRY
6386	01/16/90	1	DRY
6986	10/08/86	4	0 01 U
6986	10/08/86	4	0 01 U
6986	04/29/87	1	1 0 U
6986	05/26/87	2	1 0 U
6986	07/06/87	3	1 U
6986	10/07/87	4	NR
6986	10/08/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
6986	02/10/88	1	NR
6986	04/11/88	2	NR
6986	07/18/88	3	NR
6986	10/20/88	4	NR
6986	01/12/89	1	NR

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NOTICE:

"BEST AVAILABLE COPY"

PORTIONS OF THE FOLLOWING DOCUMENT ARE ILLEGIBLE

The Administrative Record Staff

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
6986	04/17/89	2	2 14 A	117 A	332 V	1005 A	353 V	NR	NR
6986	05/26/89	2	3 5 V	99 V	300 A	960 V	460 V	5 U V	7 3
6986	07/26/89	3	0 02 U	2 0 U	1 0 U	5 U	1 0 U	NR	NR
6986	07/27/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6986	08/11/89	3	7 7	77	270	930	460	5 U	7 5
6986	10/17/89	4	6 2 V	89 V	230 A	900 A	410 A	5 U A	7 3
6986	10/17/89	4	6 1 V	83 V	220 A	880 A	430 A	5 U A	7 3
6986	02/12/90		4 1	120	230	910	400	5 U	7 3
6986	02/12/90		4 2	110	220	920	430	5 U	7 3
0287	05/29/87	1	0 20 U	66 0	99 0	547	275	NR	NR
0287	06/24/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0287	07/09/87	3	0 54	66	81 0	549	283	NR	NR
0287	10/07/87	4	0 20 U	73 3	71	525	309	NR	NR
0287	10/08/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0287	02/10/88	1	0 02 U	73 0	81 0	558	387	NR	NR
0287	04/07/88	2	0 02 U	71 4	83 0	620	371	NR	NR
0287	07/13/88	3	0 02 J A	94 2 V	102 J A	595 J A	381 J A	NR	NR
0287	10/20/88	4	2 54 A	91 6 A	96 3 A	623 A	383 A	NR	NR
0287	11/14/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0287	01/12/89	1	0 02 U V	88 7 V	75 7 V	659 A	355 V	NR	NR
0287	04/17/89	2	0 02 U A	90 1 A	79 3 V	615 A	274 V	NR	NR
0287	04/17/89	2	0 02 U A	90 4 A	78 9 V	640 A	272 V	NR	NR
0287	05/26/89	2	NF	NF	NF	NF	NF	NF	NF
0287	05/30/89	2	0 05 U	77 V	75 A	640 V	470 V	5 U V	7 6
0287	07/19/89	3	0 02 U	90 4	79 1	644	389	NR	NR
0287	07/25/89	3	0 05 U V	88 V	80 V	550 A	460 V	5 U V	7 4
0287	10/25/89	4	0 05 U V	99 V	69 V	600 A	480 A	5 U A	7 5
0287	02/02/90	1	0 05 U V	92 A	62 V	550 V	400 V	5 U V	7 5
0487	05/20/87	1	5 80	200	310	1318	309	NR	NR
0487	05/26/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0487	07/09/87	3	6 0	458	700	2374	390	NR	NR
0487	10/14/87	4	3 76	324	435	1735	421	NR	NR
0487	10/14/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0487	02/15/88	1	2 60	313	500	1756	456	NR	NR
0487	04/13/88	2	3 86	269	518	1836	432	NR	NR
0487	07/14/88	3	4 99 J A	189 J A	449 J A	1264 J A	411 J A	NR	NR

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
6986	04/17/89	2	NR
6986	05/26/89	2	0 0029 U
6986	07/26/89	3	NR
6986	07/27/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
6986	08/11/89	3	0 1060 V
6986	10/17/89	4	NR
6986	10/17/89	4	NR
6986	02/12/90		NR
6986	02/12/90		NR
0287	05/29/87	1	1 0 U
0287	06/24/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0287	07/09/87	3	1 U
0287	10/07/87	4	NR
0287	10/08/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0287	02/10/88	1	NR
0287	04/07/88	2	NR
0287	07/13/88	3	NR
0287	10/20/88	4	NR
0287	11/14/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0287	01/12/89	1	NR
0287	04/17/89	2	NR
0287	04/17/89	2	NR
0287	05/26/89	2	NF
0287	05/30/89	2	0 0029 U
0287	07/19/89	3	NR
0287	07/25/89	3	0 0100 U A
0287	10/25/89	4	NR
0287	02/02/90	1	NR
0487	05/20/87	1	1 0 U
0487	05/26/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0487	07/09/87	3	1 U
0487	10/14/87	4	NR
0487	10/14/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0487	02/15/88	1	NR
0487	04/13/88	2	NR
0487	07/14/88	3	NR

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881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
0487	10/20/88	4	9 53	A	98 8	A	236	A	943	A	399	A	NR		NR
0487	01/12/89	1	8 65	V	122	V	235	V	1011	A	355	V	NR		NR
0487	04/17/89	2	7 95	A	119	A	229	V	885	A	387	V	NR		NR
0487	06/09/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
0487	06/09/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
0487	06/10/89	2	9 1	V	140	V	240	V	1000	V	490	V	5 U	V	7 6
0487	06/12/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
0487	07/19/89	3	0 012		118		174		1162		599		NR		NR
0487	07/26/89	3	9 7	V	120	V	240	A	1000	A	530	V	5 U	V	7 6
0487	10/16/89	4	7 1	V	100	V	210	V	970	A	520	A	5 U	A	7 6
0487	01/31/90	1	11	V	150	A	240	V	1100	V	470	V	5 U	V	7 5
0687	07/30/87	3	0 34		263		283		1195		367		NR		NR
0687	08/25/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
0687	10/14/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
0687	10/14/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
0687	02/17/88	1	0 02 U		332		285		1430		413		NR		NR
0687	04/13/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
0687	07/14/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
0687	10/26/88	4	DRY												
0687	01/18/89	1	DRY												
0687	04/19/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
0687	06/10/89	2	0 37	V	400	V	350	V	1500	V	420	V	5 U	V	7 5
0687	07/24/89	3	DRY												
0687	07/26/89	3	0 05 U	V	370	V	380	A	1500	B	480	V	5 U	V	7 6
0687	10/19/89	4	0 14		NR		NR		NR		NR		NR		NR
0687	10/27/89	4	NR		290	V	160	V	1300	A	460	A	5 U	A	7 8
0687	01/31/90	1	0 05 U		320	A	350	V	1500	V	460	V	5 U	V	7 6
4387	12/18/87	4	3 27		239		295		1207		263 0		NR		NR
4387	02/22/88	1	3 00		259		243		1770		139		NR		NR
4387	04/11/88	2	3 70		271		303		1251		249		NR		NR
4387	07/20/88	3	4 29		246		332		1232		356		NR		NR
4387	10/17/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4387	01/25/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4387	04/24/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4387	06/10/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4387	06/10/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
0487	10/20/88	4	NR
0487	01/12/89	1	NR
0487	04/17/89	2	NR
0487	06/09/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0487	06/09/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0487	06/10/89	2	0 0100 U V
0487	06/12/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0487	07/19/89	3	NR
0487	07/26/89	3	0 0100 U V
0487	10/16/89	4	NR
0487	01/31/90	1	NR
0687	07/30/87	3	1 U
0687	08/25/87	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0687	10/14/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0687	10/14/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0687	02/17/88	1	NR
0687	04/13/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0687	07/14/88	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0687	10/26/88	4	DRY
0687	01/18/89	1	DRY
0687	04/19/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0687	06/10/89	2	0 0025 U
0687	07/24/89	3	DRY
0687	07/26/89	3	NR
0687	10/19/89	4	NR
0687	10/27/89	4	NR
0687	01/31/90	1	NR
4387	12/18/87	4	NR
4387	02/22/88	1	NR
4387	04/11/88	2	NR
4387	07/20/88	3	NR
4387	10/17/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4387	01/25/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4387	04/24/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4387	06/10/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4387	06/10/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS

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881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
4387	06/11/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4387	06/11/89	2	NR
4387	07/26/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4387	08/18/89	3	0 0100 U
4387	10/26/89	4	0 0100 U A
4387	02/01/90		NR
4387	02/13/90		INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4487	11/14/87	4	DRY
4487	02/22/88	1	DRY
4487	04/18/88	2	DRY
4487	07/20/88	3	DRY
4487	10/26/88	4	DRY
4487	01/18/89	1	DRY
4487	04/14/89	2	DRY
4487	06/10/89	2	DRY
4487	07/26/89		DRY
4487	08/17/89	3	DRY
4487	10/26/89	4	DRY
4487	01/15/90	1	DRY
4787	11/30/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4787	11/30/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4787	02/15/88	1	DRY
4787	04/13/88	2	DRY
4787	07/18/88	3	DRY
4787	10/21/88	4	DRY
4787	01/18/89	1	DRY
4787	04/14/89	2	DRY
4787	06/10/89	2	NR
4787	07/24/89	3	DRY
4787	07/26/89	3	DRY
4787	10/20/89	4	DRY
4787	02/15/90		DRY
4887	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4887	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4887	02/15/88	1	NR

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881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
4387	06/11/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4387	06/11/89	2	1 9	V	240	V	320	V	1100	V	320	V	5 U	V	8 0
4387	07/26/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4387	08/18/89	3	3 6		280		34		1200		340		5 U		7 6
4387	10/26/89	4	0 97	V	290	V	300	V	1200	A	360	A	5 U	A	7 6
4387	02/01/90		1 3	V	250	A	330	V	1200	V	370	V	5 U	V	7 7
4387	02/13/90		INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4487	11/14/87	4	DRY												
4487	02/22/88	1	DRY												
4487	04/18/88	2	DRY												
4487	07/20/88	3	DRY												
4487	10/26/88	4	DRY												
4487	01/18/89	1	DRY												
4487	04/14/89	2	DRY												
4487	06/10/89	2	DRY												
4487	07/26/89		DRY												
4487	08/17/89	3	DRY												
4487	10/26/89	4	DRY												
4487	01/15/90	1	DRY												
4787	11/30/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4787	11/30/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4787	02/15/88	1	DRY												
4787	04/13/88	2	DRY												
4787	07/18/88	3	DRY												
4787	10/21/88	4	DRY												
4787	01/18/89	1	DRY												
4787	04/14/89	2	DRY												
4787	06/10/89	2	N/A		17	B	86	V	370	A	280	V	5 U	V	8 1
4787	07/24/89	3	DRY												
4787	07/26/89	3	DRY												
4787	10/20/89	4	DRY												
4787	02/15/90		DRY												
4887	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4887	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4887	02/15/88	1	0 32		838		218		2081		198		NR		NR

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881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
4887	04/13/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
4887	07/18/88	3	DRY												
4887	10/21/88	4	DRY												
4887	01/18/89	1	DRY												
4887	04/14/89	2	DRY												
4887	06/09/89	2	0 40	V	580	V	450	V	1800	V	330	V	5 U	V	7 4
4887	07/24/89	3	DRY												
4887	07/25/89	3	0 5 U	V	630	V	480	A	1800	A	400	V	5 U	V	7 2
4887	10/20/89	4	DRY												
4887	01/16/90	1	DRY												
4987	11/18/87	4	DRY												
4987	02/17/88	1	DRY												
4987	04/13/88	2	DRY												
4987	04/13/88	2	DRY												
4987	07/18/88	3	DRY												
4987	10/21/88	4	DRY												
4987	01/18/89	1	DRY												
4987	04/14/89	2	DRY												
4987	06/10/89	2	DRY												
4987	07/24/89	3	DRY												
4987	07/26/89	3	DRY												
4987	10/17/89	4	DRY												
4987	01/16/90	1	DRY												
5087	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
5087	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
5087	02/17/88	1	DRY												
5087	04/13/88	2	DRY												
5087	07/18/88	3	DRY												
5087	10/21/88	4	DRY												
5087	01/18/89	1	DRY												
5087	04/14/89	2	DRY												
5087	06/09/89	2	DRY												
5087	07/24/89	3	DRY												
5087	07/25/89	3	DRY												
5087	10/17/89	4	DRY												
5087	01/16/90	1	DRY												

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications; V = Valid

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
4887	04/13/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4887	07/18/88	3	DRY
4887	10/21/88	4	DRY
4887	01/18/89	1	DRY
4887	04/14/89	2	DRY
4887	06/09/89	2	NR
4887	07/24/89	3	DRY
4887	07/25/89	3	NR
4887	10/20/89	4	DRY
4887	01/16/90	1	DRY
4987	11/18/87	4	DRY
4987	02/17/88	1	DRY
4987	04/13/88	2	DRY
4987	04/13/88	2	DRY
4987	07/18/88	3	DRY
4987	10/21/88	4	DRY
4987	01/18/89	1	DRY
4987	04/14/89	2	DRY
4987	06/10/89	2	DRY
4987	07/24/89	3	DRY
4987	07/26/89	3	DRY
4987	10/17/89	4	DRY
4987	01/16/90	1	DRY
5087	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5087	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5087	02/17/88	1	DRY
5087	04/13/88	2	DRY
5087	07/18/88	3	DRY
5087	10/21/88	4	DRY
5087	01/18/89	1	DRY
5087	04/14/89	2	DRY
5087	06/09/89	2	DRY
5087	07/24/89	3	DRY
5087	07/25/89	3	DRY
5087	10/17/89	4	DRY
5087	01/16/90	1	DRY

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
5387	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5387	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5387	02/10/88	1	DRY						
5387	04/11/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5387	07/18/88	3	DRY						
5387	10/21/88	4	DRY						
5387	01/18/89	1	DRY						
5387	04/17/89	2	DRY						
5387	06/08/89	2	Data not yet received						
5387	07/19/89	3	DRY						
5387	07/25/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5387	10/25/89	4	DRY						
5387	02/05/90	1	0 12 V	66 V	240 V	630 V	570 V	5 U V	7 3
5487	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5487	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5487	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5487	02/10/88	1	DRY						
5487	04/11/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5487	07/18/88	3	DRY						
5487	10/21/88	4	DRY						
5487	01/18/89	1	DRY						
5487	04/17/89	2	DRY						
5487	06/08/89	2	Data not yet received						
5487	07/19/89	3	DRY						
5487	07/26/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5487	10/25/89	4	DRY						
5487	01/30/90	1	0 07 V	NR	NR	NR	NR	NR	NR
B302089	05/16/89	2	DRY						
B302089	07/21/89	2	NR	NR	NR	NR	NR	NR	NR
B302089	10/06/89	4	DRY						
B302089	01/29/90	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
B302089	02/26/90		DRY						
B301889	05/11/89	2	DRY						
B301889	07/21/89	3	DRY						
B301889	10/05/89	3	DRY						

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
5387	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5387	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5387	02/10/88	1	DRY
5387	04/11/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5387	07/18/88	3	DRY
5387	10/21/88	4	DRY
5387	01/18/89	1	DRY
5387	04/17/89	2	DRY
5387	06/08/89	2	Data not yet received
5387	07/19/89	3	DRY
5387	07/25/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5387	10/25/89	4	DRY
5387	02/05/90	1	NR
5487	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5487	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5487	11/18/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5487	02/10/88	1	DRY
5487	04/11/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5487	07/18/88	3	DRY
5487	10/21/88	4	DRY
5487	01/18/89	1	DRY
5487	04/17/89	2	DRY
5487	06/08/89	2	Data not yet received
5487	07/19/89	3	DRY
5487	07/26/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5487	10/25/89	4	DRY
5487	01/30/90	1	NR
8302089	05/16/89	2	DRY
8302089	07/21/89	2	0 0100 U A
8302089	10/06/89	4	DRY
8302089	01/29/90	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
8302089	02/26/90		DRY
8301889	05/11/89	2	DRY
8301889	07/21/89	3	DRY
8301889	10/05/89	3	DRY

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
B301889	01/16/90	1	DRY												
5986R	06/06/89	2	1 5	V	120	A	200	V	880	V	440	V	5 U	V	8 0
5986R	07/25/89	3	1 4	V	120	V	230	V	1000	A	530	V	5 U	V	7 5
5986R	08/10/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
5986R	10/17/89	4	1 0	V	130	V	220	A	1200	A	540	A	5 U	A	7 5
5986R	03/20/90		1 3	V	160	V	230	V	980	V	490	V	5 U	V	7 6

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
8301889	01/16/90	1	DRY
5986R	06/06/89	2	0 0100 U V
5986R	07/25/89	3	0 0100 U A
5986R	08/10/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5986R	10/17/89	4	NR
5986R	03/20/90		NR

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
0974	08/29/86	3	91 2	400	320	1370	NR	NR	NR
0974	03/09/87	1	34 0	378	173	1536	231	NR	NR
0974	04/09/87	1	8 80	294	180	1176	244	NR	NR
0974	05/21/87	2	7 60	276	235	1313	253	NR	NR
0974	07/02/87	3	10 0	304	300	1445	258	NR	NR
0974	08/11/87	3	DRY						
0974	10/20/87	4	26 8	449	213	1588	256	NR	NR
0974	10/28/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0974	11/17/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0974	02/25/88	1	8 67	250	230	1253	161	NR	NR
0974	04/14/88	2	7 57	221	273	1189	264	NR	NR
0974	04/15/88	2	7 62	224	268	1188	241	NR	NR
0974	07/20/88	3	10 34 J A	290 J A	300 J A	1231 J A	272 J A	NR	NR
0974	10/25/88	4	32 7 A	369 A	239 A	1516 A	226 A	NR	NR
0974	01/25/89	1	28 9 V	379 V	246 V	1589 A	213 V	NR	NR
0974	04/24/89	2	27 9 A	385 A	239 V	1701 A	234 V	NR	NR
0974	05/15/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0974	05/15/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0974	05/16/89	2	26 A	300 V	200 V	840 A	290 V	5 U V	7 6
0974	05/16/89	2	Data not yet received						
0974	07/26/89		DRY						
0974	08/22/89	3	62 V	520 V	210 A	2000 A	250 A	5 U A	7 6
0974	08/22/89	3	54 V	500 V	220 A	2000 A	250 A	5 U A	7 6
0974	10/26/89	4	NR	520 V	210 V	1900 A	280 A	5 U A	7 5
0974	10/27/89	4	47 V	NR	NR	NR	NR	NR	NR
0974	02/06/90		40 V	480 V	170 V	1800 V	240 V	5 U V	7 5
0974	02/13/90		INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
B301889	05/11/89	2	DRY						
B301889	07/21/89	3	DRY						
B301889	10/05/89	3	DRY						
B301889	01/16/90	1	DRY						

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
0974	08/29/86	3	0 005 U
0974	03/09/87	1	1 0 U
0974	04/09/87	1	NR
0974	05/21/87	2	1 0 U
0974	07/02/87	3	1 U
0974	08/11/87	3	DRY
0974	10/20/87	4	NR
0974	10/28/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0974	11/17/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0974	02/25/88	1	NR
0974	04/14/88	2	NR
0974	04/15/88	2	NR
0974	07/20/88	3	NR
0974	10/25/88	4	NR
0974	01/25/89	1	NR
0974	04/24/89	2	NR
0974	05/15/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0974	05/15/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0974	05/16/89	2	0 0174
0974	05/16/89	2	Data not yet received
0974	07/26/89		DRY
0974	08/22/89	3	0 0100 U
0974	08/22/89	3	0 0139
0974	10/26/89	4	10 2 V
0974	10/27/89	4	NR
0974	02/06/90		NR
0974	02/13/90		INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
8301889	05/11/89	2	DRY
8301889	07/21/89	3	DRY
8301889	10/05/89	3	DRY
8301889	01/16/90	1	DRY

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
5986	10/08/86	4	NR	92	190	900	30	510	NR
5986	04/09/87	1	1 28	66 7	150	874	329	NR	NR
5986	04/30/87	1	1 40	78 5	175	812	493	NR	NR
5986	05/26/87	2	2 56	116	390	1047	514	NR	NR
5986	07/06/87	3	1 98	24	140	997	446	NR	NR
5986	10/07/87	4	1 10	91 1	168	929	459	NR	NR
5986	10/08/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5986	02/15/88	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5986	10/18/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5986	01/18/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5986	04/17/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
5986	07/31/89	3	1 01	112	229	982	430	NR	NR
6286	10/16/86	4	NR	26	58	350	NR	NR	NR
6286	04/09/87	1	2 30	28 0	60 0	274	67 5	NR	NR
6286	04/29/87	1	2 60	26 9	90 0	286	124	NR	NR
6286	05/26/87	2	3 4	25 5	48 0	295	164	NR	NR
6286	07/06/87	3	2 3	102	23 0	280	157	5 2	NR
6286	10/14/87	4	2 70	27 3	48 0	303	178	NR	NR
6286	02/17/88	1	1 60	29 7	39 0	275	172	NR	NR
6286	04/13/88	2	2 89	26 8	57 7	302	134	NR	NR
6286	07/14/88	3	2 99 J A	30 2 V	57 6 J A	283 J A	161 J A	NR	NR
6286	10/20/88	4	7 41 A	71 0 A	54 1 A	328 A	164 A	NR	NR
6286	11/14/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6286	01/23/89	1	2 46 V	28 2 V	53 9 V	288 A	132 V	NR	NR
6286	04/19/89	2	2 27 A	29 1 A	52 3 V	277 A	113 V	6 93 V	NR
6286	06/10/89	2	3 0 V	30 V	59 V	310 V	140 V	9 V	8 7
6286	07/19/89	3	0 089	45 8	1110	2279	368	NR	NR
6286	07/20/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
6286	07/27/89	3	3 0 V	34 V	66 A	230 A	150 V	5 U V	8 5
6286	10/19/89	4	2 2 V	29 V	50 V	210 A	55 A	25 A	9 9
6286	02/16/90		3 5 V	35 V	45 V	320 V	180 A	5 U A	8 5
0587BR	06/11/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0587BR	06/12/87	2	9 50	166	345	1314	389	NR	NR
0587BR	07/06/87	3	8 6	205	365	1488	443	NR	NR
0587BR	10/12/87	4	9 62	244	490	1712	505	NR	NR
0587BR	10/12/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						

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Total Inorganic Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
5986	10/08/86	4	NR
5986	04/09/87	1	1 0 U
5986	04/30/87	1	1 0 U
5986	05/26/87	2	1 0 U
5986	07/06/87	3	1 U
5986	10/07/87	4	NR
5986	10/08/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5986	02/15/88	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5986	10/18/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5986	01/18/89	1	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5986	04/17/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
5986	07/31/89	3	NR
6286	10/16/86	4	0 01 U
6286	04/09/87	1	1 0 U
6286	04/29/87	1	1 0 U
6286	05/26/87	2	1 0 U
6286	07/06/87	3	1 U
6286	10/14/87	4	NR
6286	02/17/88	1	NR
6286	04/13/88	2	NR
6286	07/14/88	3	NR
6286	10/20/88	4	NR
6286	11/14/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
6286	01/23/89	1	NR
6286	04/19/89	2	NR
6286	06/10/89	2	0 0025 U
6286	07/19/89	3	NR
6286	07/20/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
6286	07/27/89	3	0 0100 U V
6286	10/19/89	4	NR
6286	02/16/90		NR
0587BR	06/11/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0587BR	06/12/87	2	1 0 U
0587BR	07/06/87	3	1 U
0587BR	10/12/87	4	NR
0587BR	10/12/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
0587BR	02/22/88	1	8 70	267	485	1170	311	NR	NR
0587BR	04/11/88	2	1 90	250	543	1852	515	NR	NR
0587BR	07/19/88	3	9 41 J A	251 J A	658 J A	1464 J A	469 J A	NR	NR
0587BR	10/20/88	4	0 02 U A	237 A	599 A	1765 A	483 A	NR	NR
0587BR	11/14/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0587BR	01/16/89	1	10 3 V	249 V	638 V	1887 A	452 V	NR	NR
0587BR	04/12/89	2	NF	NF	NF	NF	NF	NF	NF
0587BR	04/12/89	2	8 78 A	260 A	630 V	1697 A	496 V	NR	NR
0587BR	06/12/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0587BR	06/12/89	2	14 V	260 A	510 V	1800 V	620 V	5 U V	7 3
0587BR	07/26/89	3	9 92	245	615	2087	534	NR	NR
0587BR	07/27/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0587BR	08/11/89	3	9 9 V	250 A	520 V	1400 A	580 V	5 U V	7 2
0587BR	10/31/89	4	13 V	260 V	570 V	1900 A	620 A	5 U A	7 1
0587BR	02/14/90		15 V	280 V	560 V	1900 V	640 V	5 U V	7 3

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J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
0587BR	02/22/88	1	NR
0587BR	04/11/88	2	NR
0587BR	07/19/88	3	NR
0587BR	10/20/88	4	NR
0587BR	11/14/88	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0587BR	01/16/89	1	NR
0587BR	04/12/89	2	NF
0587BR	04/12/89	2	NR
0587BR	06/12/89	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0587BR	06/12/89	2	0 0025 U
0587BR	07/26/89	3	NR
0587BR	07/27/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0587BR	08/11/89	3	0 0100 U V
0587BR	10/31/89	4	0 0100 U
0587BR	02/14/90		NR

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L	Chloride MG/L	Sulfate MG/L	Total Dissolved Solids MG/L	HCO3- MG/L	CO3= MG/L	pH pH Unit
0387BR	06/16/87	2	0 32	93 9	210	470	192	NR	NR
0387BR	06/16/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0387BR	07/09/87	3	0 50	97	8 0	426	196	NR	NR
0387BR	10/05/87	4	0 20 U	100 1	3 5	388	199	NR	NR
0387BR	10/05/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0387BR	02/22/88	1	0 02 U	104	10 0	396	218	NR	NR
0387BR	04/27/88	2	0 03	100	4 30	404	202	NR	NR
0387BR	07/21/88	3	0 05 J A	87 6 J A	3 09 J A	394 J A	212 J A	NR	NR
0387BR	10/25/88	4	0 02 U R	105 A	6 55 A	397 A	205 A	NR	NR
0387BR	01/23/89	1	0 05 V	99 5 V	4 06 V	409 A	195 V	NR	NR
0387BR	04/17/89	2	0 03 A	103 A	3 68 V	393 A	200 A	NR	NR
0387BR	06/12/89	2	0 05 U V	97 A	5 U V	390 V	270 V	5 U V	8 0
0387BR	07/19/89	3	0 06	104	4 79	426	224	NR	NR
0387BR	08/08/89	3	0 05 U A	96	5	440	280	5 U	8 0
0387BR	10/31/89	4	0 07 V	94 V	25* U V	380 A	260 A	5 U A	8 0
0387BR	02/16/90		0 05 U V	100 V	5 U V	400 V	250 V	5 U V	7 9
4587BR	11/23/87	4	0 02 U	6 38	73 6	327	111	NR	NR
4587BR	11/23/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4587BR	02/25/88	1	0 02 U	8 33	55 0	342	114	NR	NR
4587BR	04/18/88	2	0 05	10 6	104	344	199	NR	NR
4587BR	07/21/88	3	0 07	11 0	47 0	341	232	NR	NR
4587BR	10/17/88	4	0 06 A	12 1 A	47 0 A	340 A	23 1 A	NR	NR
4587BR	01/23/89	1	0 02 U V	13 9 V	50 5 V	376 A	233 V	NR	NR
4587BR	04/19/89	2	0 02 U A	13 8 A	52 7 V	366 A	254 V	NR	NR
4587BR	06/13/89	2	0 05 U V	19 A	59 V	360 V	320 V	5 U V	7 9
4587BR	07/26/89	3	0 02 U	15 2	54 3	388	263	NR	NR
4587BR	07/27/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
4587BR	08/17/89	3	0 05 U A	18 A	59 V	430 A	290 V	5 U V	7 4
4587BR	10/20/89	4	0 05 U A	16 V	56 A	340 A	310 A	5 U A	7 7
4587BR	10/20/89	4	0 05 U V	16 V	56 V	380 A	310 A	5 U A	7 7
4587BR	03/15/90		0 05 U V	21 V	59 V	410 V	350 V	5 U V	7 7
0887BR	06/13/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0887BR	06/15/87	2	0 20 U	40 1	770	1232	266	NR	NR
0887BR	07/09/87	3	0 20 U	41	433	1226	295	NR	NR
0887BR	10/07/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS						
0887BR	02/22/88	1	0 02 U	44 0	603	1240	186	NR	NR

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
0387BR	06/16/87	2	1 0 U
0387BR	06/16/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0387BR	07/09/87	3	1 U
0387BR	10/05/87	4	NR
0387BR	10/05/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0387BR	02/22/88	1	NR
0387BR	04/27/88	2	NR
0387BR	07/21/88	3	NR
0387BR	10/25/88	4	NR
0387BR	01/23/89	1	NR
0387BR	04/17/89	2	NR
0387BR	06/12/89	2	0 0025 U
0387BR	07/19/89	3	NR
0387BR	08/08/89	3	0 0100 U V
0387BR	10/31/89	4	0 0100 U
0387BR	02/16/90		NR
4587BR	11/23/87	4	NR
4587BR	11/23/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4587BR	02/25/88	1	NR
4587BR	04/18/88	2	NR
4587BR	07/21/88	3	NR
4587BR	10/17/88	4	NR
4587BR	01/23/89	1	NR
4587BR	04/19/89	2	NR
4587BR	06/13/89	2	0 0025 U
4587BR	07/26/89	3	NR
4587BR	07/27/89	3	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
4587BR	08/17/89	3	0 0100 U V
4587BR	10/20/89	4	NR
4587BR	10/20/89	4	NR
4587BR	03/15/90		NR
0887BR	06/13/87	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0887BR	06/15/87	2	1 0 U
0887BR	07/09/87	3	1 U
0887BR	10/07/87	4	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0887BR	02/22/88	1	NR

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications; V = Valid

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Nitrate+ Nitrite-Nitrogen MG/L			Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
0887BR	04/27/88	2	1 00			40 3		540		1325		302		NR		NR
0887BR	05/09/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS													
0887BR	07/21/88	3	0 02	U		43 8		773		1214		347		NR		NR
0887BR	10/25/88	4	0 02	U	R	41 5	A	692	A	1235	A	315	A	NR		NR
0887BR	01/23/89	1	0 02	U	V	46 0	V	795	V	1313	A	210	V	NR		NR
0887BR	04/17/89	2	0 02	U	A	41 7	A	695	V	1334	A	323	V	NR		NR
0887BR	06/12/89	2	0 13		A	47	A	550	V	1200	V	420	V	5	U V	7 8
0887BR	07/31/89	3	0 02	U		43 1		678		1349		365		NR		NR
0887BR	08/10/89	3	0 05	U	V	44	A	580	V	1400	A	450	V	5	U V	7 7
0887BR	10/31/89	4	0 45		V	44	V	610	V	1300	A	410	A	5	U A	7 6
0887BR	02/15/90		0 05	U	V	43	V	570	V	1300	V	430	A	5	U A	7 6

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Inorganic Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Total Cyanide MG/L
0887BR	04/27/88	2	NR
0887BR	05/09/88	2	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS
0887BR	07/21/88	3	NR
0887BR	10/25/88	4	NR
0887BR	01/23/89	1	NR
0887BR	04/17/89	2	NR
0887BR	06/12/89	2	0 0025 U
0887BR	07/31/89	3	NR
0887BR	08/10/89	3	0 0100 U V
0887BR	10/31/89	4	NR
0887BR	02/15/90		NR

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

APPENDIX B-4

DISSOLVED RADIONUCLIDES

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l
0187	10/12/87	4	DRY										
0187	02/10/88	1	15 ± 11		15 ± 30		8 0 ± 0 7		0 34 ± 0 11		5 5 ± 0 5		NR
0187	04/11/88	2	DRY										
0187	04/11/88	2	DRY										
0187	07/20/88	3	***										
0187	10/26/88	4	***										
0187	01/12/89	1	DRY										
0187	04/24/89	2	DRY										
0187	06/06/89	2	31 ± 12		15 ± 6		12 ± 1		0 2 ± 0 1		8 6 ± 0 7		NR
0187	07/31/89	3	***										
0187	08/17/89	4	28 ± 17	21	17 ± 8	13	13 ± 1	0	0 6 ± 0 2	0	9 0 ± 0 7	0	NR
0187	10/27/89	4	Data not yet received										
0187	10/30/89	4	***										
0187	02/02/90		Data not yet received										
5187	11/23/87	4	DRY										
5187	02/12/88	1	DRY										
5187	04/18/88	2	DRY										
5187	07/18/88	3	DRY										
5187	10/21/88	4	DRY										
5187	01/18/89	1	DRY										
5187	04/14/89	2	DRY										
5187	06/12/89	2	***										
5187	07/24/89	3	DRY										
5187	08/14/89	3	***										
5187	10/27/89	4	***										
5187	03/23/90		DRY										
5287	11/23/87	4	70 ± 13		76 ± 11		21 ± 2		79 ± 15		15 ± 2		<1 0
5287	11/23/87	4	***										
5287	02/12/88	1	40 ± 16		17 ± 23		4 7 ± 0 7		0 19 ± 0 12		4 0 ± 0 6		NR
5287	04/18/88	2	46 ± 13		32 ± 18	40	29 ± 3		0 80 ± 0 14		21 ± 2		NR
5287	07/18/88	3	39 ± 5 A		23 ± 4 A		28 ± 3 V		0 53 ± 0 22 V		19 ± 2 V		NR
5287	10/18/88	4	Data not yet received										
5287	01/16/89	1	24 ± 4 A		2 ± 4 A		NR		NR		NR		NR
5287	04/19/89	2	39 1 ± 4 1	1 6	26 4 ± 3 7	3 9	NR		NR		NR		NR
5287	06/12/89	2	62 ± 21		35 ± 7		37 ± 1		1 2 ± 0 3		26 ± 1		-0 1 ± 0 3
5287	06/12/89	2	54 ± 20		25 ± 7		31 ± 1		0 6 ± 0 2		22 ± 1		-0 1 ± 0 4
5287	07/24/89	3	39 7 ± 3 7	1 8	39 1 ± 4 2	3 8	NR		NR		NR		NR

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0187	10/12/87	4	DRY					
0187	02/10/88	1	0 00 ± 0 26	0 03 ± 0 25	NR	NR	NR	NR
0187	04/11/88	2	DRY					
0187	04/11/88	2	DRY					
0187	07/20/88	3	***					
0187	10/26/88	4	***					
0187	01/12/89	1	DRY					
0187	04/24/89	2	DRY					
0187	06/06/89	2	0 01 ± 0 02	0 00 ± 0 04	NR	NR	NR	NR
0187	07/31/89	3	***					
0187	08/17/89	4	0 00 ± 0 01 0	0 00 ± 0 01 0	NR	280 ± 200 27	NR	NR
0187	10/27/89	4	Data not yet received					
0187	10/30/89	4	***					
0187	02/02/90		Data not yet received					
5187	11/23/87	4	DRY					
5187	02/12/88	1	DRY					
5187	04/18/88	2	DRY					
5187	07/18/88	3	DRY					
5187	10/21/88	4	DRY					
5187	01/18/89	1	DRY					
5187	04/14/89	2	DRY					
5187	06/12/89	2	***					
5187	07/24/89	3	DRY					
5187	08/14/89	3	***					
5187	10/27/89	4	***					
5187	03/23/90		DRY					
5287	11/23/87	4	0 00 ± 28 1 1	0 00 ± 33 2 1	NR	<540	NR	NR
5287	11/23/87	4	***					
5287	02/12/88	1	0 00 ± 0 13	0 00 ± 0 11	NR	<210	NR	NR
5287	04/18/88	2	0 00 ± 0 03 0 15	0 02 ± 0 16 0 79	NR	<210	NR	NR
5287	07/18/88	3	0 01 ± 0 08 V	0 01 ± 0 17 V	NR	200 V	NR	NR
5287	10/18/88	4	Data not yet received					
5287	01/16/89	1	NR	NR	NR	<230 V	NR	NR
5287	04/19/89	2	NR	NR	NR	<270	NR	NR
5287	06/12/89	2	0 00 ± 0 01	0 00 ± 0 01	0 5 ± 0 6	50 ± 150	0 8 ± 0 5	NR
5287	06/12/89	2	0 00 ± 0 01	0 00 ± 0 01	0 4 ± 0 5	100 ± 150	0 6 ± 0 5	NR
5287	07/24/89	3	NR	NR	NR	NR	NR	NR

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89, 90 pCi/l
5287	08/14/89	3	59 ± 16 12	35 ± 8 10	33 ± 1 0	0 8 ± 0 2 0	22 ± 1 0	-0 1 ± 0 5 0
5287	10/27/89	4	Data not yet received					
5287	01/29/90	1	Data not yet received					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239, 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
5287	08/14/89	3	0 00 ± 0 01 0	0 01 ± 0 01 0	0 2 ± 0 5 0	380 ± 200 27	0 1 ± 0 3 0	NR
5287	10/27/89	4	Data not yet received					
5287	01/29/90	1	Data not yet received					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89 90 pCi/l	
0974	08/29/86	3	See total radiochemistry											
0974	03/09/87	1	See total radiochemistry											
0974	04/09/87	1	See total radiochemistry											
0974	05/21/87	2	See total radiochemistry											
0974	07/02/87	3	6 ± 29	52	6 ± 42	79	12 0 ± 2 1		0 0 ± 0 6	0 9	8 1 ± 1 5		<1 0	
0974	08/11/87	3	DRY											
0974	10/20/87	4	14 ± 7		21 ± 10		9 2 ± 0 9		48 ± 13		7 0 ± 07		1 0	
0974	10/28/87	4	***											
0974	11/17/87	4	***											
0974	02/25/88	1	20 ± 11		14 ± 27		15 ± 2		0 53 ± 0 16		11 ± 1		NR	
0974	04/14/88	2	22 ± 11		14 ± 18	41	12 ± 1		0 42 ± 0 07		9 2 ± 1 2		NR	
0974	04/15/88	2	21 ± 12		19 ± 16	35	12 ± 1		0 36 ± 0 06		9 5 ± 1 0		NR	
0974	07/20/88	3	15 ± 4 A		11 ± 3 A		12 ± 1 V		28 ± 0 07 V		8 6 ± 0 9 V		NR	
0974	10/25/88	4	Data not yet received											
0974	01/25/89	1	23 ± 6 A	L	16 ± 6 A		NR		NR		NR		NR	
0974	04/24/89	2	13 4 ± 3 2	3 1	14 9 ± 3 3	4 1	NR		NR		NR		NR	
0974	05/15/89	2	***											
0974	05/15/89	2	***											
0974	05/16/89	2	***											
0974	05/16/89	2	11 ± 17	25	-3 ± 10	17	5 7 ± 0 9	0 2	0 2 ± 0 2	0 1	6 2 ± 0 8	0 1	0 2 ± 0 4	0 6
0974	07/26/89		DRY											
0974	08/22/89	3	-2 ± 22	37	21 ± 12	18	9 5 ± 0 8	0	0 4 ± 0 2	0	6 5 ± 0 7	0	0 1 ± 0 4	0
0974	08/22/89	3	8 ± 25	39	25 ± 12	18	11 ± 1	0	0 4 ± 0 2	0	8 2 ± 0 8	0	0 3 ± 0 4	0
0974	10/26/89	4	NR		NR		NR		NR		NR		NR	
0974	10/27/89	4	6 6 ± 1 8	1 9	12 0 ± 2 3	2 7	12 65 ± 1 92	0 34	0 87 ± 0 50	0	7 85 ± 1 48	0 34	-0 05 ± 0 37	0 61
0974	02/06/90		Data not yet received											
0974	02/13/90		See total radiochemistry											
1074	05/21/87	2	See total radiochemistry											
1074	07/01/87	3	DRY											
1074	10/20/87	4	***											
1074	10/20/87	4	***											
1074	02/25/88	1	13 ± 11		-8 ± 27		7 3 ± 0 7		0 37 ± 0 12		5 1 ± 0 5		NR	
1074	07/19/88	3	3 ± 4 A		1 ± 3 A		6 2 ± 0 6 V		0 21 ± 0 06 V		4 5 ± 0 5 V		NR	
1074	10/25/88	4	Data not yet received											
1074	01/16/89	1	10 ± 4 V		2 ± 5 V		NR		NR		NR		NR	
1074	04/24/89	2	***											
1074	06/09/89	2	***											
1074	06/09/89	2	***											

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0974	08/29/86	3	See total radiochemistry					
0974	03/09/87	1	See total radiochemistry					
0974	04/09/87	1	See total radiochemistry					
0974	05/21/87	2	See total radiochemistry					
0974	07/02/87	3	0 0 ± 1 1 1 6	NR	NR	<515	NR	NR
0974	08/11/87	3	DRY					
0974	10/20/87	4	0 00 ± 11 61	0 00 ± 03 34	NR	<520	NR	NR
0974	10/28/87	4	***					
0974	11/17/87	4	***					
0974	02/25/88	1	0 00 ± 0 41	NR	NR	<210	NR	NR
0974	04/14/88	2	0 00 ± 0 04 0 25	0 02 ± 0 16 0 50	NR	<220 220	NR	NR
0974	04/15/88	2	0 00 ± 0 04 0 22	0 00 ± 0 16 0 95	NR	<220 220	NR	NR
0974	07/20/88	3	0 00 ± 0 04 V	0 00 ± 0 10 A	NR	230 V	NR	NR
0974	10/25/88	4	Data not yet received					
0974	01/25/89	1	NR	NR	NR	<240 V	NR	NR
0974	04/24/89	2	NR	NR	NR	<260	NR	NR
0974	05/15/89	2	***					
0974	05/15/89	2	***					
0974	05/16/89	2	***					
0974	05/16/89	2	0 00 ± 0 02 0 01	0 01 ± 0 02 0 01	0 2 ± 0 5 0 9	20 ± 150 260	0 5 ± 0 2 0 2	NR
0974	07/26/89		DRY					
0974	08/22/89	3	0 00 ± 0 01 0	0 00 ± 0 01 0	0 0 ± 0 5 0	-50 ± 230 32	NR	NR
0974	08/22/89	3	0 00 ± 0 01 0	0 00 ± 0 01 0	0 1 ± 0 5 0	-30 ± 230 32	0 4 ± 0 2 0	NR
0974	10/26/89	4	NR	NR	NR	20 ± 210 350	NR	NR
0974	10/27/89	4	NR	NR	-0 22 ± 0 53 0 90	NR	NR	NR
0974	02/06/90		Data not yet received					
0974	02/13/90		See total radiochemistry					
1074	05/21/87	2	See total radiochemistry					
1074	07/01/87	3	DRY					
1074	10/20/87	4	***					
1074	10/20/87	4	***					
1074	02/25/88	1	0 00 ± 0 25	NR	NR	<220	NR	NR
1074	07/19/88	3	0 00 ± 0 07 V	0 00 ± 0 08 A	NR	210 V	NR	NR
1074	10/25/88	4	Data not yet received					
1074	01/16/89	1	NR	NR	NR	JULO V	NR	NR
1074	04/24/89	2	***					
1074	06/09/89	2	***					
1074	06/09/89	2	***					

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233, 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l	
1074	06/10/89	2	26 ± 20		19 ± 11		6 5 ± 0 6		0 2 ± 0 1		5 1 ± 0 6		0 1 ± 0 3	
1074	06/12/89	2	***											
1074	07/26/89	3	Data not yet received											
1074	07/27/89	3	6 5 ± 2 5	3 0	5 5 ± 4 2	6 5	NR		NR		NR		NR	
1074	08/23/89	3	0 ± 12	20	5 ± 8	13	6 9 ± 0 6	0	0 2 ± 0 1	0	5 2 ± 0 6	0	0 1 ± 0 4	0
1074	08/23/89	3	9 ± 13	20	5 ± 8	13	5 9 ± 0 6	0	0 2 ± 0 1	0	5 3 ± 0 6	0	0 2 ± 0 4	0
1074	10/26/89	4	Data not yet received											
1074	02/05/90		Data not yet received											
1074	02/13/90		See total radiochemistry											
6386	10/06/86	4	DRY											
6386	07/06/87	3	DRY											
6386	10/14/87	4	DRY											
6386	02/17/88	1	DRY											
6386	04/13/88	2	DRY											
6386	07/18/88	3	DRY											
6386	10/21/88	4	DRY											
6386	01/18/89	1	DRY											
6386	04/14/89	2	DRY											
6386	06/10/89	2	DRY											
6386	07/19/89	3	DRY											
6386	07/26/89	3	DRY											
6386	10/18/89	4	DRY											
6386	01/16/90	1	DRY											
6986	10/08/86	4	See total radiochemistry											
6986	10/08/86	4	See total radiochemistry											
6986	04/29/87	1	See total radiochemistry											
6986	05/26/87	2	See total radiochemistry											
6986	07/06/87	3	59 ± 40		78 ± 42		9 1 ± 1 9		0 8 ± 0 5		8 9 ± 1 6		3 8	
6986	10/07/87	4	53 ± 10		48 ± 10		8 4 ± 0 9		35 ± 12		6 5 ± 0 7		<1 0	
6986	10/08/87	4	NR		NR		8 707 ± 1 107		NR		6 275 ± 0 761		NR	
6986	02/10/88	1	16 ± 8		7 ± 15		9 4 ± 2 5		0 65 ± 0 46		8 1 ± 2 2		NR	
6986	04/11/88	2	14 ± 8		4 ± 11	25	11 ± 1		0 38 ± 0 07		8 0 ± 0 9		NR	
6986	07/18/88	3	8 ± 3 A		9 ± 3 A		10 ± 1 V		0 19 ± 0 06 V		7 1 ± 0 7 V		NR	
6986	10/20/88	4	Data not yet received											
6986	01/12/89	1	10 ± 3 V		10 ± 3 V		NR		NR		NR		NR	
6986	04/17/89	2	19 3 ± 3 6	3 2	13 9 ± 3 4	4 3	NR		NR		NR		NR	
6986	05/26/89	2	9 ± 12		4 ± 6		7 8 ± 0 7		0 3 ± 0 1		6 5 ± 0 7		0 1 ± 0 4	

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
1074	06/10/89	2	0 00 ± 0 01	0 00 ± 0 01	0 9 ± 0 7	-140 ± 150	0 1 ± 0 5	NR
1074	06/12/89	2	***					
1074	07/26/89	3	Data not yet received					
1074	07/27/89	3	NR	NR	NR	NR	NR	NR
1074	08/23/89	3	0 00 ± 0 01 0	0 00 ± 0 01 0	-0 4 ± 0 5 0	-70 ± 230 32	NR	NR
1074	08/23/89	3	0 00 ± 0 01 0	0 00 ± 0 01 0	-0 6 ± 0 8 1	80 ± 240 32	0 0 ± 0 2 0	NR
1074	10/26/89	4	Data not yet received					
1074	02/05/90		Data not yet received					
1074	02/13/90		See total radiochemistry					
6386	10/06/86	4	DRY					
6386	07/06/87	3	DRY					
6386	10/14/87	4	DRY					
6386	02/17/88	1	DRY					
6386	04/13/88	2	DRY					
6386	07/18/88	3	DRY					
6386	10/21/88	4	DRY					
6386	01/18/89	1	DRY					
6386	04/14/89	2	DRY					
6386	06/10/89	2	DRY					
6386	07/19/89	3	DRY					
6386	07/26/89	3	DRY					
6386	10/18/89	4	DRY					
6386	01/16/90	1	DRY					
6986	10/08/86	4	See total radiochemistry					
6986	10/08/86	4	See total radiochemistry					
6986	04/29/87	1	See total radiochemistry					
6986	05/26/87	2	See total radiochemistry					
6986	07/06/87	3	- 02 ± 69 0 7	0 5 ± 2 5 3 7	NR	<493	NR	NR
6986	10/07/87	4	0 00 ± 22 1 6	0 00 ± 05 25	NR	510 ± 290	NR	NR
6986	10/08/87	4	-0 042 ± 0 037	0 004 ± 0 040	NR	NR	NR	NR
6986	02/10/88	1	0 02 ± 0 21	0 00 ± 0 30	NR	<210	NR	NR
6986	04/11/88	2	NR	NR	NR	<200 200	NR	NR
6986	07/18/88	3	0 00 ± 0 06 V	0 00 ± 0 17 V	NR	200 V	NR	NR
6986	10/20/88	4	Data not yet received					
6986	01/12/89	1	NR	NR	NR	<240 V	NR	NR
6986	04/17/89	2	NR	NR	NR	<270	NR	NR
6986	05/26/89	2	0 00 ± 0 01	0 00 ± 0 01	0 5 ± 0 6	0 ± 160	0 1 ± 0 2	NR

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l	
6986	07/26/89	3	Data not yet received											
6986	07/27/89	3	11 8 ± 2 1	2 0	18 3 ± 3 4	4 0	NR		NR		NR		NR	
6986	08/11/89	3	21 ± 13	17	14 ± 6	10	9 0 ± 0 7	0 1	0 3 ± 0 1	0 1	7 9 ± 0 7	0 1	-0 4 ± 0 5	0 6
6986	10/17/89	4	NR		NR		9 30 ± 2 03	0	0 55 ± 0 50	0	8 30 ± 1 94	0	0 32 ± 0 35	0
6986	10/17/89	4	11 7 ± 2 0	1	8 3 ± 2 2	2	8 30 ± 1 54	0	0 42 ± 0 35	0	5 42 ± 1 25	0	0 27 ± 0 34	0
6986	02/12/90		Data not yet received											
6986	02/12/90		Data not yet received											
0287	05/29/87	1	See total radiochemistry											
0287	06/24/87	2	***											
0287	07/09/87	3	100 ± 70		254 ± 68		8 9 ± 2 4		0 3 ± 0 4	2 0	3 7 ± 1 4		5 6	
0287	10/07/87	4	66 ± 42		96 ± 50		11 0 ± 1 0		35 ± 11		4 5 ± 0 5		NR	
0287	10/08/87	4	NR		NR		13 180 ± 1 750		NR		4 644 ± 0 634		NR	
0287	02/10/88	1	19 ± 12		6 ± 23		7 4 ± 0 6		0 26 ± 0 09		3 5 ± 0 4		NR	
0287	04/07/88	2	9 ± 17	31	5 ± 19	43	7 6 ± 0 6		0 08 ± 0 02	0 21	3 5 ± 0 3		NR	
0287	07/13/88	3	11 ± 3 A		6 ± 2 A		9 2 ± 0 9 V		0 13 ± 0 05 V		4 2 ± 0 5 V		NR	
0287	10/20/88	4	Data not yet received											
0287	11/14/88	4	***											
0287	01/12/89	1	11 ± 4 A		7 ± 2 A		NR		NR		NR		NR	
0287	04/17/89	2	8 9 ± 1 9	1 4	9 1 ± 3 0	4 0	NR		NR		NR		NR	
0287	04/17/89	2	9 2 ± 1 8	1 2	9 8 ± 3 1	4 2	NR		NR		NR		NR	
0287	05/26/89	2	**		**		6 9 ± 0 6		0 1 ± 0 1		3 2 ± 0 5		-0 4 ± 0 4	
0287	05/30/89	2	3 ± 9		-1 ± 5		5 9 ± 0 8		0 1 ± 0 1		7 2 ± 0 9		-0 1 ± 0 4	
0287	07/19/89	3	10 0 ± 2 4	2	7 9 ± 2 7	3	NR		NR		NR		NR	
0287	07/25/89	3	12 ± 10	13	4 ± 5	9	6 0 ± 0 6	0 1	0 3 ± 0 1	0 1	3 6 ± 0 4	0 1	0 1 ± 0 3	0 6
0287	10/25/89	4	3 0 ± 1 1	1 3	2 7 ± 1 8	2 8	6 26 ± 1 54	0 42	0 27 ± 0 32	0	3 00 ± 1 04	0	0 11 ± 0 36	0 58
0287	02/02/90	1	Data not yet received											
0487	05/20/87	1	See total radiochemistry											
0487	05/26/87	2	***											
0487	07/09/87	3	319 ± 241		286 ± 83		26 8 ± 3 2		0 5 ± 0 4	1 1	17 4 ± 2 3		2 1	
0487	10/14/87	4	133 ± 69		75 ± 54		16 ± 3		56 ± 30		12 ± 2		NR	
0487	10/14/87	4	***											
0487	02/15/88	1	50 ± 13		16 ± 13		19 ± 2		1 1 ± 0 2		15 ± 2		NR	
0487	04/13/88	2	59 ± 16		28 ± 18	40	23 ± 2		0 55 ± 0 09		17 ± 1		NR	
0487	07/14/88	3	37 ± 6 A		30 ± 4 A		19 ± 2 V		0 55 ± 0 10 V		14 ± 1 V		NR	
0487	10/20/88	4	Data not yet received											
0487	01/12/89	1	NR		NR		NR		NR		NR		NR	
0487	04/17/89	2	18 3 ± 3 1	2 5	17 2 ± 3 0	4 0	NR		NR		NR		NR	

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
6986	07/26/89	3	Data not yet received					
6986	07/27/89	3	NR	NR	NR	NR	NR	NR
6986	08/11/89	3	0 00 ± 0 01 0 01	0 00 ± 0 01 0 01	0 1 ± 0 5 0 8	80 ± 220 290	0 1 ± 0 3 0 3	NR
6986	10/17/89	4	0 014 ± 0 009 0	NR	0 06 ± 0 52 0	NR	NR	NR
6986	10/17/89	4	0 007 ± 0 012 0	NR	-0 69 ± 0 74 1	NR	NR	NR
6986	02/12/90		Data not yet received					
6986	02/12/90		Data not yet received					
0287	05/29/87	1	See total radiochemistry					
0287	06/24/87	2	***					
0287	07/09/87	3	42 ± 81 0 8	- 04 ± 75 1 5	NR	<514	NR	NR
0287	10/07/87	4	04 ± 09	0 00 ± 20	NR	<500	NR	NR
0287	10/08/87	4	0 211 ± 0 074	0 032 ± 0 046	NR	NR	NR	NR
0287	02/10/88	1	0 13 ± 0 12	0 0 ± 3 3	NR	<220	NR	NR
0287	04/07/88	2	0 00 ± 0 04 0 16	0 00 ± 0 16 0 43	NR	<200	NR	NR
0287	07/13/88	3	0 00 ± 0 04 V	0 00 ± 0 08 V	NR	230 ± 90 V	NR	NR
0287	10/20/88	4	Data not yet received					
0287	11/14/88	4	***					
0287	01/12/89	1	NR	NR	NR	<230 V	NR	NR
0287	04/17/89	2	NR	NR	NR	<270	NR	NR
0287	04/17/89	2	NR	NR	NR	<270	NR	NR
0287	05/26/89	2	**	**	0 0 ± 0 5	300 ± 160	**	NR
0287	05/30/89	2	0 00 ± 0 01	0 00 ± 0 02	0 3 ± 0 6	NR	NR	NR
0287	07/19/89	3	NR	NR	NR	NR	NR	NR
0287	07/25/89	3	0 00 ± 0 01 0 01	0 00 ± 0 01 0 01	0 0 ± 0 7 1 2	420 ± 230 300	0 4 ± 0 3 0 2	NR
0287	10/25/89	4	NR	NR	0 46 ± 0 64 1 00	20 ± 200 330	NR	NR
0287	02/02/90	1	Data not yet received					
0487	05/20/87	1	See total radiochemistry					
0487	05/26/87	2	***					
0487	07/09/87	3	14 ± 73 0 7	70 ± 86 1 0	NR	777 ± 333	NR	NR
0487	10/14/87	4	06 ± 14	02 ± 07	NR	<460	NR	NR
0487	10/14/87	4	**					
0487	02/15/88	1	0 00 ± 0 24	0 00 ± 0 14	NR	<210	NR	NR
0487	04/13/88	2	0 00 ± 0 05 0 17	0 00 ± 0 16 0 60	NR	<220 220	NR	NR
0487	07/14/88	3	0 00 ± 0 04 V	0 00 ± 0 17 V	NR	210 V	NR	NR
0487	10/20/88	4	Data not yet received					
0487	01/12/89	1	NR	NR	NR	<230 V	NR	NR
0487	04/17/89	2	NR	NR	NR	<270	NR	NR

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l	
0487	06/09/89	2	***											
0487	06/09/89	2	***											
0487	06/10/89	2	34 ± 18		19 ± 9		16 ± 1		0 4 ± 0 2		13 ± 1		-0 1 ± 0 4	
0487	06/12/89	2	***											
0487	07/19/89	3	15 8 ± 2 8	2 0	14 0 ± 3 2	4 1	NR		NR		NR		NR	
0487	07/26/89	3	Data not yet received											
0487	10/16/89	4	8 5 ± 3 1	2 9	15 7 ± 6 6	9 0	10 06 ± 1 26	0 18	0 43 ± 0 26	0	8 51 ± 1 15	0 18	-0 05 ± 0 30	0 51
0487	01/31/90	1	Data not yet received											
0687	07/30/87	3	59 ± 33		42 ± 44	76	29 3 ± 3 9		1 3 ± 0 6		25 3 ± 3 0		2 0	
0687	08/25/87	3	***											
0687	10/14/87	4	***											
0687	10/14/87	4	***											
0687	02/17/88	1	48 ± 10		25 ± 13		28 ± 3		0 93 ± 0 23		24 ± 3		NR	
0687	04/13/88	2	***											
0687	07/14/88	3	***											
0687	10/26/88	4	DRY											
0687	01/18/89	1	DRY											
0687	04/19/89	2	***											
0687	06/10/89	2	41 ± 17		26 ± 8		26 ± 1		1 1 ± 0 3		20 ± 1		-0 3 ± 0 4	
0687	07/24/89	3	DRY											
0687	07/26/89	3	69 ± 31	36	23 ± 11	17	31 ± 1	0 1	1 2 ± 0 2	0 1	25 ± 1	0 1	**	
0687	10/19/89	4	NR		NR		NR		NR		NR		NR	
0687	10/27/89	4	***											
0687	01/31/90	1	Data not yet received											
4387	12/18/87	4	74 ± 14		82 ± 12		20 ± 4		51 ± 27		17 ± 4		<1 0	
4387	02/22/88	1	29 ± 14		14 ± 24		20 ± 3		4 3 ± 0 9		20 ± 3		NR	
4387	04/11/88	2	29 ± 12		11 ± 18	40	15 ± 1		0 51 ± 0 08		12 ± 1		NR	
4387	07/20/88	3	21 ± 4 A		21 ± 4 A		18 ± 2 V		0 57 ± 0 11 V		16 ± 2 V		NR	
4387	10/17/88	4	***											
4387	01/25/89	1	***											
4387	04/24/89	2	***											
4387	06/10/89	2	***											
4387	06/10/89	2	***											
4387	06/11/89	2	***											
4387	06/11/89	2	35 ± 12		17 ± 5		24 ± 1		0 7 ± 0 2		20 ± 1		0 1 ± 0 5	
4387	07/26/89	3	***											
4387	08/18/89	3	59 ± 24	25	24 ± 9	13	19 ± 1	0	0 6 ± 0 2	0	16 ± 1	0	0 6 ± 0 6	1

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0487	06/09/89	2	***					
0487	06/09/89	2	***					
0487	06/10/89	2	0 00 ± 0 01	0 00 ± 0 01	0 0 ± 0 6	90 ± 150	0 1 ± 0 5	NR
0487	06/12/89	2	***					
0487	07/19/89	3	NR	NR	NR	NR	NR	NR
0487	07/26/89	3	Data not yet received					
0487	10/16/89	4	-0 006 ± 0 011 0 023	NR	-0 49 ± 0 50 0 88	-170 ± 310 52	NR	NR
0487	01/31/90	1	Data not yet received					
0687	07/30/87	3	- 23 ± 59 0 6	-0 4 ± 1 6 3 3	NR	<540	NR	NR
0687	08/25/87	3	***					
0687	10/14/87	4	***					
0687	10/14/87	4	***					
0687	02/17/88	1	0 00 ± 0 20	0 00 ± 0 11	NR	<210	NR	NR
0687	04/13/88	2	***					
0687	07/14/88	3	***					
0687	10/26/88	4	DRY					
0687	01/18/89	1	DRY					
0687	04/19/89	2	***					
0687	06/10/89	2	0 00 ± 0 01	0 00 ± 0 02	0 1 ± 0 6	-70 ± 150	0 2 ± 0 4	NR
0687	07/24/89	3	DRY					
0687	07/26/89	3	0 00 ± 0 01 0 01	0 00 ± 0 01 0 01	**	0 ± 200 280	0 4 ± 0 4 0 1	NR
0687	10/19/89	4	NR	NR	NR	-60 ± 230 390	NR	NR
0687	10/27/89	4	***					
0687	01/31/90	1	Data not yet received					
4387	12/18/87	4	0 00 ± 16 68	NR	NR	<220	NR	NR
4387	02/22/88	1	0 00 ± 0 23	NR	NR	<210	NR	NR
4387	04/11/88	2	0 01 ± 0 06 0 17	NR	NR	<220 220	NR	NR
4387	07/20/88	3	0 00 ± 0 04 V	0 00 ± 0 09 A	NR	220 V	NR	NR
4387	10/17/88	4	***					
4387	01/25/89	1	***					
4387	04/24/89	2	***					
4387	06/10/89	2	***					
4387	06/10/89	2	***					
4387	06/11/89	2	***					
4387	06/11/89	2	0 00 ± 0 01	0 00 ± 0 02	0 2 ± 0 6	NR	0 8 ± 0 5	NR
4387	07/26/89	3	***					
4387	08/18/89	3	0 00 ± 0 01 0	0 01 ± 0 01 0	-0 1 ± 0 5 0	-20 ± 230 32	0 3 ± 0 3 0	NR

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89 90 pCi/l
4387	10/26/89	4	Data not yet received					
4387	02/01/90		Data not yet received					
4387	02/13/90		See total radiochemistry					
4487	11/14/87	4	DRY					
4487	02/22/88	1	DRY					
4487	04/18/88	2	DRY					
4487	07/20/88	3	DRY					
4487	10/26/88	4	DRY					
4487	01/18/89	1	DRY					
4487	04/14/89	2	DRY					
4487	06/10/89	2	DRY					
4487	07/26/89		DRY					
4487	08/17/89	3	DRY					
4487	10/26/89	4	DRY					
4487	01/15/90	1	DRY					
4787	11/30/87	4	***					
4787	11/30/87	4	***					
4787	02/15/88	1	DRY					
4787	04/13/88	2	DRY					
4787	07/18/88	3	DRY					
4787	10/21/88	4	DRY					
4787	01/18/89	1	DRY					
4787	04/14/89	2	DRY					
4787	06/10/89	2	***					
4787	07/24/89	3	DRY					
4787	07/26/89	3	DRY					
4787	10/20/89	4	DRY					
4787	02/15/90		DRY					
4887	11/18/87	4	***					
4887	11/18/87	4	***					
4887	02/15/88	1	26 ± 8	12 ± 13	7 7 ± 1 5	0 16 ± 0 18	6 1 ± 1 2	NR
4887	04/13/88	2	***					
4887	07/18/88	3	DRY					
4887	10/21/88	4	DRY					
4887	01/18/89	1	DRY					
4887	04/14/89	2	DRY					

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
4387	10/26/89	4	Data not yet received					
4387	02/01/90		Data not yet received					
4387	02/13/90		See total radiochemistry					
4487	11/14/87	4	DRY					
4487	02/22/88	1	DRY					
4487	04/18/88	2	DRY					
4487	07/20/88	3	DRY					
4487	10/26/88	4	DRY					
4487	01/18/89	1	DRY					
4487	04/14/89	2	DRY					
4487	06/10/89	2	DRY					
4487	07/26/89		DRY					
4487	08/17/89	3	DRY					
4487	10/26/89	4	DRY					
4487	01/15/90	1	DRY					
4787	11/30/87	4	***					
4787	11/30/87	4	***					
4787	02/15/88	1	DRY					
4787	04/13/88	2	DRY					
4787	07/18/88	3	DRY					
4787	10/21/88	4	DRY					
4787	01/16/89	1	DRY					
4787	04/14/89	2	DRY					
4787	06/10/89	2	***					
4787	07/24/89	3	DRY					
4787	07/26/89	3	DRY					
4787	10/20/89	4	DRY					
4787	02/15/90		DRY					
4887	11/18/87	4	***					
4887	11/18/87	4	***					
4887	02/15/88	1	0 00 ± 0 18	0 00 ± 0 12	NR	<210	NR	NR
4887	04/13/88	2	***					
4887	07/18/88	3	DRY					
4887	10/21/88	4	DRY					
4887	01/18/89	1	DRY					
4887	04/14/89	2	DRY					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89, 90 pCi/l
4887	06/09/89	2	3 ± 3	8 ± 3	5 1 ± 0 6	0 1 ± 0 1	0 0 ± 0 5	0 3 ± 0 4
4887	07/24/89	3	DRY					
4887	07/25/89	3	NR	NR	NR	NR	NR	NR
4887	10/20/89	4	DRY					
4887	01/16/90	1	DRY					
4987	11/18/87	4	DRY					
4987	02/17/88	1	DRY					
4987	04/13/88	2	DRY					
4987	04/13/88	2	DRY					
4987	07/18/88	3	DRY					
4987	10/21/88	4	DRY					
4987	01/18/89	1	DRY					
4987	04/14/89	2	DRY					
4987	06/10/89	2	DRY					
4987	07/24/89	3	DRY					
4987	07/26/89	3	DRY					
4987	10/17/89	4	DRY					
4987	01/16/90	1	DRY					
5087	11/18/87	4	***					
5087	11/18/87	4	***					
5087	02/17/88	1	DRY					
5087	04/13/88	2	DRY					
5087	07/18/88	3	DRY					
5087	10/21/88	4	DRY					
5087	01/18/89	1	DRY					
5087	04/14/89	2	DRY					
5087	06/09/89	2	DRY					
5087	07/24/89	3	DRY					
5087	07/25/89	3	DRY					
5087	10/17/89	4	DRY					
5087	01/16/90	1	DRY					
5387	11/18/87	4	***					
5387	11/18/87	4	***					
5387	02/10/88	1	DRY					
5387	04/11/88	2	***					
5387	07/18/88	3	DRY					

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
4887	06/09/89	2	0 00 ± 0 01	0 00 ± 0 01	0 1 ± 0 5	NR	NR	NR
4887	07/24/89	3	DRY					
4887	07/25/89	3	NR	NR	NR	170 ± 220 300	NR	NR
4887	10/20/89	4	DRY					
4887	01/16/90	1	DRY					
4987	11/18/87	4	DRY					
4987	02/17/88	1	DRY					
4987	04/13/88	2	DRY					
4987	04/13/88	2	DRY					
4987	07/18/88	3	DRY					
4987	10/21/88	4	DRY					
4987	01/18/89	1	DRY					
4987	04/14/89	2	DRY					
4987	06/10/89	2	DRY					
4987	07/24/89	3	DRY					
4987	07/26/89	3	DRY					
4987	10/17/89	4	DRY					
4987	01/16/90	1	DRY					
5087	11/18/87	4	***					
5087	11/18/87	4	***					
5087	02/17/88	1	DRY					
5087	04/13/88	2	DRY					
5087	07/18/88	3	DRY					
5087	10/21/88	4	DRY					
5087	01/18/89	1	DRY					
5087	04/14/89	2	DRY					
5087	06/09/89	2	DRY					
5087	07/24/89	3	DRY					
5087	07/25/89	3	DRY					
5087	10/17/89	4	DRY					
5087	01/16/90	1	DRY					
5387	11/18/87	4	***					
5387	11/18/87	4	***					
5387	02/10/88	1	DRY					
5387	04/11/88	2	***					
5387	07/18/88	3	DRY					

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l	
5387	10/21/88	4	DRY											
5387	01/18/89	1	DRY											
5387	04/17/89	2	DRY											
5387	06/08/89	2	***											
5387	07/19/89	3	DRY											
5387	07/25/89	3	***											
5387	10/25/89	4	DRY											
5387	02/05/90	1	Data not yet received											
5487	11/18/87	4	***											
5487	11/18/87	4	***											
5487	11/18/87	4	***											
5487	02/10/88	1	DRY											
5487	04/11/88	2	***											
5487	07/18/88	3	DRY											
5487	10/21/88	4	DRY											
5487	01/18/89	1	DRY											
5487	04/17/89	2	DRY											
5487	06/08/89	2	13 ± 5		24 ± 3		0 1 ± 0 3		0 0 ± 0 1		0 2 ± 0 4		NR	
5487	07/19/89	3	DRY											
5487	07/26/89	3	***											
5487	10/25/89	4	DRY											
5487	01/30/90	1	Data not yet received											
8302089	05/16/89	2	DRY											
8302089	07/21/89	2	Data not yet received											
8302089	10/06/89	4	DRY											
8302089	01/29/90	1	Data not yet received											
8302089	02/26/90		DRY											
8301889	05/11/89	2	DRY											
8301889	07/21/89	3	DRY											
8301889	10/05/89	3	DRY											
8301889	01/16/90	1	DRY											
5986R	06/06/89	2	15 ± 13		13 ± 6		12 ± 1		0 2 ± 0 1		8 7 ± 0 9		0 2 ± 0 5	
5986R	07/25/89	3	17 ± 8	10	5 ± 4	7	11 ± 1	0 1	0 4 ± 0 2	0 1	8 3 ± 0 7	0 1	2 0 ± 0 4	0 6
5986R	08/10/89	3	***											
5986R	10/17/89	4	15 9 ± 3 0	2 2	22 1 ± 4 6	5 5	10 77 ± 1 39	0	0 40 ± 0 35	0 36	6 46 ± 1 13	0 55	0 06 ± 0 31	0 49

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l		Americium 241 pCi/l		Cesium 137 pCi/l		Tritium pCi/l		Radium 226 pCi/l		Radium 228 pCi/l
5387	10/21/88	4	DRY										
5387	01/18/89	1	DRY										
5387	04/17/89	2	DRY										
5387	06/08/89	2	***										
5387	07/19/89	3	DRY										
5387	07/25/89	3	***										
5387	10/25/89	4	DRY										
5387	02/05/90	1	Data not yet received										
5487	11/18/87	4	***										
5487	11/18/87	4	***										
5487	11/18/87	4	***										
5487	02/10/88	1	DRY										
5487	04/11/88	2	***										
5487	07/18/88	3	DRY										
5487	10/21/88	4	DRY										
5487	01/18/89	1	DRY										
5487	04/17/89	2	DRY										
5487	06/08/89	2	-0 08 ± 0 33		0 00 ± 0 02		NR		NR		NR		NR
5487	07/19/89	3	DRY										
5487	07/26/89	3	***										
5487	10/25/89	4	DRY										
5487	01/30/90	1	Data not yet received										
B302089	05/16/89	2	DRY										
B302089	07/21/89	2	Data not yet received										
B302089	10/06/89	4	DRY										
B302089	01/29/90	1	Data not yet received										
B302089	02/26/90		DRY										
B301889	05/11/89	2	DRY										
B301889	07/21/89	3	DRY										
B301889	10/05/89	3	DRY										
B301889	01/16/90	1	DRY										
5986R	06/06/89	2	0 00 ± 0 01		0 00 ± 0 01		-0 1 ± 0 5		210 ± 210		0 6 ± 0 7		NR
5986R	07/25/89	3	0 00 ± 0 01	0 01	0 00 ± 0 01	0 01	0 4 ± 0 7	1 1	450 ± 230	300	0 5 ± 0 3	0 1	NR
5986R	08/10/89	3	***										
5986R	10/17/89	4	0 005 ± 0 006	0	NR		0 25 ± 0 45	0 70	230 ± 200	320	NR		NR

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89, 90 pCi/l
5986R	03/20/90		Date not yet received					

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
5986R	03/20/90		Data not yet received					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89 90 pCi/l
5886	09/13/86	3	DRY										
5886	07/14/87	3	DRY										
5886	10/12/87	4	DRY										
5886	02/15/88	1	DRY										
5886	04/07/88	2	DRY										
5886	07/13/88	3	DRY										
5886	10/21/88	4	DRY										
5886	01/18/89	1	DRY										
5886	04/14/89	2	DRY										
5886	07/31/89		DRY										
5886	11/28/89	4	DRY										
5886	01/16/90	1	DRY										
6486	09/13/86	3	DRY										
6486	04/29/87	1	See total radiochemistry										
6486	05/28/87	2	***										
6486	07/16/87	3	***										
6486	10/12/87	4	DRY										
6486	02/17/88	1	10 ± 8		-2 ± 12		1 7 ± 0 4		0 17 ± 0 11		1 2 ± 0 3		NR
6486	04/11/88	2	6 ± 8	17	5 ± 16	38	3 0 ± 0 4		0 07 ± 0 04	0 09	2 5 ± 0 4		NR
6486	07/13/88	3	DRY										
6486	10/21/88	4	DRY										
6486	01/18/89	1	DRY										
6486	04/24/89	2	***										
6486	05/31/89	2	***										
6486	07/10/89	3	11 ± 7	8	5 ± 4	6	NR		NR		NR		NR
6486	07/24/89	3	DRY										
6486	10/16/89	4	DRY										
6486	02/08/90		DRY										
6886	09/22/86	3	See total radiochemistry										
6886	04/29/87	1	See total radiochemistry										
6886	05/28/87	2	See total radiochemistry										
6886	07/15/87	3	2 ± 24	44	51 ± 43	72	0 0 ± 1 0	0 4	0 1 ± 0 3	0 3	0 9 ± 0 7		1 8
6886	10/12/87	4	DRY										
6886	02/15/88	1	DRY										
6886	04/07/88	2	4 ± 5	9	2 ± 10	23	0 04 ± 0 21	1 8	0 03 ± 0 03	0 23	0 00 ± 0 26	2 1	NR
6886	07/13/88	3	DRY										
6886	10/21/88	4	DRY										

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l		Americium 241 pCi/l		Cesium 137 pCi/l	Tritium pCi/l		Radium 226 pCi/l	Radium 228 pCi/l
5886	09/13/86	3	DRY								
5886	07/14/87	3	DRY								
5886	10/12/87	4	DRY								
5886	02/15/88	1	DRY								
5886	04/07/88	2	DRY								
5886	07/13/88	3	DRY								
5886	10/21/88	4	DRY								
5886	01/18/89	1	DRY								
5886	04/14/89	2	DRY								
5886	07/31/89		DRY								
5886	11/28/89	4	DRY								
5886	01/16/90	1	DRY								
6486	09/13/86	3	DRY								
6486	04/29/87	1	See total radiochemistry								
6486	05/28/87	2	***								
6486	07/16/87	3	***								
6486	10/12/87	4	DRY								
6486	02/17/88	1	0 00 ± 0 22		0 00 ± 0 13		NR	<220		NR	NR
6486	04/11/88	2	0 00 ± 0 05	0 19	NR		NR	<220	220	NR	NR
6486	07/13/88	3	DRY								
6486	10/21/88	4	DRY								
6486	01/18/89	1	DRY								
6486	04/24/89	2	***								
6486	05/31/89	2	***								
6486	07/10/89	3	NR		NR		NR	110 ± 240	320	NR	NR
6486	07/24/89	3	DRY								
6486	10/16/89	4	DRY								
6486	02/08/90		DRY								
6886	09/22/86	3	See total radiochemistry								
6886	04/29/87	1	See total radiochemistry								
6886	05/28/87	2	See total radiochemistry								
6886	07/15/87	3	- 25 ± 66	0 8	26 ± 61	0 7	NR	<493		NR	NR
6886	10/12/87	4	DRY								
6886	02/15/88	1	DRY								
6886	04/07/88	2	0 01 ± 0 06	0 13	NR		NR	<200		NR	NR
6886	07/13/88	3	DRY								
6886	10/21/88	4	DRY								

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89, 90 pCi/l
6886	01/18/89	1	DRY					
6886	04/14/89	2	DRY					
6886	07/31/89		DRY					
6886	11/20/89	4	Data not yet received					
6886	11/20/89	4	Data not yet received					
6886	02/13/90		Data not yet received					
5587	11/30/87	4	***					
5587	11/30/87	4	***					
5587	02/15/88	1	DRY					
5587	04/11/88	2	DRY					
5587	07/13/88	3	DRY					
5587	10/21/88	4	DRY					
5587	01/18/89	1	DRY					
5587	04/14/89	2	DRY					
5587	06/02/89	2	***					
5587	07/10/89	3	***					
5587	07/24/89	3	DRY					
5587	10/16/89	4	DRY					
5587	01/16/90	1	DRY					

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
6886	01/18/89	1	DRY					
6886	04/14/89	2	DRY					
6886	07/31/89		DRY					
6886	11/20/89	4	Data not yet received					
6886	11/20/89	4	Data not yet received					
6886	02/13/90		Data not yet received					
5587	11/30/87	4	***					
5587	11/30/87	4	***					
5587	02/15/88	1	DRY					
5587	04/11/88	2	DRY					
5587	07/13/88	3	DRY					
5587	10/21/88	4	DRY					
5587	01/18/89	1	DRY					
5587	04/14/89	2	DRY					
5587	06/02/89	2	***					
5587	07/10/89	3	***					
5587	07/24/89	3	DRY					
5587	10/16/89	4	DRY					
5587	01/16/90	1	DRY					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l	
0974	08/29/86	3	See total radiochemistry											
0974	03/09/87	1	See total radiochemistry											
0974	04/09/87	1	See total radiochemistry											
0974	05/21/87	2	See total radiochemistry											
0974	07/02/87	3	6 ± 29	52	6 ± 42	79	12 0 ± 2 1		0 0 ± 0 6	0 9	8 1 ± 1 5		<1 0	
0974	08/11/87	3	DRY											
0974	10/20/87	4	14 ± 7		21 ± 10		9 2 ± 0 9		48 ± 13		7 0 ± 07		1 0	
0974	10/28/87	4	***											
0974	11/17/87	4	***											
0974	02/25/88	1	20 ± 11		14 ± 27		15 ± 2		0 53 ± 0 16		11 ± 1		NR	
0974	04/14/88	2	22 ± 11		14 ± 18	41	12 ± 1		0 42 ± 0 07		9 2 ± 1 2		NR	
0974	04/15/88	2	21 ± 12		19 ± 16	35	12 ± 1		0 36 ± 0 06		9 5 ± 1 0		NR	
0974	07/20/88	3	15 ± 4 A		11 ± 3 A		12 ± 1 V		28 ± 0 07 V		8 6 ± 0 9 V		NR	
0974	10/25/88	4	Data not yet received											
0974	01/25/89	1	23 ± 6 A	L	16 ± 6 A		NR		NR		NR		NR	
0974	04/24/89	2	13 4 ± 3 2	3 1	14 9 ± 3 3	4 1	NR		NR		NR		NR	
0974	05/15/89	2	***											
0974	05/15/89	2	***											
0974	05/16/89	2	***											
0974	05/16/89	2	11 ± 17	25	-3 ± 10	17	5 7 ± 0 9	0 2	0 2 ± 0 2	0 1	4 2 ± 0 8	0 1	0 2 ± 0 6	0 6
0974	07/26/89		DRY											
0974	08/22/89	3	-2 ± 22	37	21 ± 12	18	9 5 ± 0 8	0	0 4 ± 0 2	0	6 5 ± 0 7	0	0 1 ± 0 4	0
0974	08/22/89	3	8 ± 25	39	25 ± 12	18	11 ± 1	0	0 4 ± 0 2	0	8 2 ± 0 8	0	0 3 ± 0 4	0
0974	10/26/89	4	NR		NR		NR		NR		NR		NR	
0974	10/27/89	4	6 6 ± 1 8	1 9	12 0 ± 2 3	2 7	12 65 ± 1 92	0 34	0 87 ± 0 50	0	7 45 ± 1 48	0 34	-0 05 ± 0 37	0 61
0974	02/06/90		Data not yet received											
0974	02/13/90		See total radiochemistry											
8301889	05/11/89	2	DRY											
8301889	07/21/89	3	DRY											
8301889	10/05/89	3	DRY											
8301889	01/16/90	1	DRY											

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0974	08/29/86	3	See total radiochemistry					
0974	03/09/87	1	See total radiochemistry					
0974	04/09/87	1	See total radiochemistry					
0974	05/21/87	2	See total radiochemistry					
0974	07/02/87	3	0 0 ± 1 1 1 6	NR	NR	<515	NR	NR
0974	08/11/87	3	DRY					
0974	10/20/87	4	0 00 ± 11 61	0 00 ± 03 34	NR	<520	NR	NR
0974	10/28/87	4	***					
0974	11/17/87	4	***					
0974	02/25/88	1	0 00 ± 0 41	NR	NR	<210	NR	NR
0974	04/14/88	2	0 00 ± 0 04 0 25	0 02 ± 0 16 0 50	NR	<220 220	NR	NR
0974	04/15/88	2	0 00 ± 0 04 0 22	0 00 ± 0 16 0 95	NR	<220 220	NR	NR
0974	07/20/88	3	0 00 ± 0 04 V	0 00 ± 0 10 A	NR	230 V	NR	NR
0974	10/25/88	4	Data not yet received					
0974	01/25/89	1	NR	NR	NR	<240 V	NR	NR
0974	04/24/89	2	NR	NR	NR	<260	NR	NR
0974	05/15/89	2	***					
0974	05/15/89	2	***					
0974	05/16/89	2	***					
0974	05/16/89	2	0 00 ± 0 02 0 01	0 01 ± 0 02 0 01	0 2 ± 0 5 0 9	20 ± 150 260	0 5 ± 0 2 0 2	NR
0974	07/26/89		DRY					
0974	08/22/89	3	0 00 ± 0 01 0	0 00 ± 0 01 0	0 0 ± 0 5 0	-50 ± 230 32	NR	NR
0974	08/22/89	3	0 00 ± 0 01 0	0 00 ± 0 01 0	0 1 ± 0 5 0	-30 ± 230 32	0 4 ± 0 2 0	NR
0974	10/26/89	4	NR	NR	NR	20 ± 210 350	NR	NR
0974	10/27/89	4	NR	NR	-0 22 ± 0 53 0 90	NR	NR	NR
0974	02/06/90		Data not yet received					
0974	02/13/90		See total radiochemistry					
8301889	05/11/89	2	DRY					
8301889	07/21/89	3	DRY					
8301889	10/05/89	3	DRY					
8301889	01/16/90	1	DRY					

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l	
5986	10/08/86	4	***											
5986	04/09/87	1	See total radiochemistry											
5986	04/30/87	1	See total radiochemistry											
5986	05/26/87	2	See total radiochemistry											
5986	07/06/87	3	27 ± 27	40	14 ± 40	74	13 1 ± 2 2		0 2 ± 0 4	0 5	10 9 ± 1 7		<1 0	
5986	10/07/87	4	22 ± 6		18 ± 9		10 ± 1		83 ± 20		8 1 ± 0 9		<1 0	
5986	10/08/87	4	NR		NR		NR		NR		NR		NR	
5986	02/15/88	1	***											
5986	10/18/88	4	***											
5986	01/18/89	1	***											
5986	04/17/89	2	***											
5986	07/31/89	3	9 8 ± 1 3	8	20 9 ± 3 3	3 5	NR		NR		NR		NR	
6286	10/16/86	4	***											
6286	04/09/87	1	See total radiochemistry											
6286	04/29/87	1	See total radiochemistry											
6286	05/26/87	2	See total radiochemistry											
6286	07/06/87	3	22 ± 22	33	44 ± 45	76	4 3 ± 1 4		0 5 ± 0 4		3 2 ± 1 0		<1 0	
6286	10/14/87	4	13 ± 5		11 ± 10	19	4 0 ± 0 5		15 ± 07	17	3 0 ± 0 4		<1 0	
6286	02/17/88	1	14 ± 5		1 ± 12		0 56 ± 0 21		0 00 ± 0 05		0 47 ± 0 17		NR	
6286	04/13/88	2	13 ± 8	13	24 ± 18	39	4 1 ± 0 7		0 10 ± 0 06	0 23	3 2 ± 0 6		NR	
6286	07/14/88	3	5 ± 1 A		6 ± 1 A		3 9 ± 0 4 A		0 10 ± 0 04 A		3 3 ± 0 4 A		NR	
6286	10/20/88	4	Data not yet received											
6286	11/14/88	4	***											
6286	01/23/89	1	6 ± 2 A		7 ± 2 A		NR		NR		NR		NR	
6286	04/19/89	2	5 3 ± 1 7	1	9 2 ± 3 8	5	NR		NR		NR		NR	
6286	06/10/89	2	27 ± 14		14 ± 8		12 ± 1		0 3 ± 0 1		9 5 ± 0 8		0 3 ± 0 4	
6286	07/19/89	3	***											
6286	07/20/89	3	5 0 ± 9	8	9 2 ± 2 7	3 5	NR		NR		NR		NR	
6286	07/27/89	3	10 ± 6	7	7 ± 3	4	7 1 ± 0 6	0 1	0 2 ± 0 1	0 1	5 3 ± 0 6	0 1	0 3 ± 0 2	0 4
6286	10/19/89	4	4 4 ± 1 0	0 6	5 0 ± 1 8	2 4	0 13 ± 0 19	0	0 07 ± 0 13	0	0 26 ± 0 27	0	0 63 ± 0 44	0 63
6286	02/16/90		NR		NR		NR		NR		NR		NR	
0587BR	06/11/87	2	***											
0587BR	06/12/87	2	See total radiochemistry											
0587BR	07/06/87	3	75 ± 43		91 ± 51		9 4 ± 2 0		0 1 ± 0 3		5 9 ± 1 5		1 7	
0587BR	10/12/87	4	99 ± 48		61 ± 50		12 ± 1		56 ± 15		8 0 ± 0 8		NR	
0587BR	10/12/87	4	***											
0587BR	02/22/88	1	23 ± 14		14 ± 25		14 ± 1		0 77 ± 0 16		9 ± 1		NR	

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
5986	10/08/86	4	***					
5986	04/09/87	1	See total radiochemistry					
5986	04/30/87	1	See total radiochemistry					
5986	05/26/87	2	See total radiochemistry					
5986	07/06/87	3	07 ± 71 0 8	NR	NR	<493	NR	NR
5986	10/07/87	4	07 ± 12 73	03 ± 11 26	NR	<460	NR	NR
5986	10/08/87	4	-0 006 ± 0 043	0 004 ± 0 040	NR	NR	NR	NR
5986	02/15/88	1	***					
5986	10/18/88	4	***					
5986	01/18/89	1	***					
5986	04/17/89	2	***					
5986	07/31/89	3	NR	NR	NR	NR	NR	NR
6286	10/16/86	4	***					
6286	04/09/87	1	See total radiochemistry					
6286	04/29/87	1	See total radiochemistry					
6286	05/26/87	2	See total radiochemistry					
6286	07/06/87	3	06 ± 71 0 6	NR	NR	<493	NR	NR
6286	10/14/87	4	04 ± 09 44	0 00 ± 03 1 0	NR	<520	NR	NR
6286	02/17/88	1	0 00 ± 0 18	0 00 ± 0 13	NR	<200	NR	NR
6286	04/13/88	2	0 05 ± 0 06 0 08	0 00 ± 0 16 0 48	NR	<200 200	NR	NR
6286	07/14/88	3	0 00 ± 0 11 V	0 00 ± 0 17 V	NR	220 V	NR	NR
6286	10/20/88	4	Data not yet received					
6286	11/14/88	4	***					
6286	01/23/89	1	NR	NR	NR	<220 V	NR	NR
6286	04/19/89	2	NR	NR	NR	<270	NR	NR
6286	06/10/89	2	0 00 ± 0 01	0 00 ± 0 01	0 3 ± 0 5	80 ± 210	**	**
6286	07/19/89	3	***					
6286	07/20/89	3	NR	NR	NR	NR	NR	NR
6286	07/27/89	3	0 00 ± 0 01 0 01	0 00 ± 0 01 0 01	0 2 ± 0 5 0 9	40 ± 230 320	-0 2 ± 0 5 0 2	NR
6286	10/19/89	4	NR	NR	-0 10 ± 0 39 0 66	120 ± 240 390	NR	NR
6286	02/16/90		NR	NR	NR	NR	NR	NR
0587BR	06/11/87	2	***					
0587BR	06/12/87	2	See total radiochemistry					
0587BR	07/06/87	3	0 6 ± 1 4 1 9	- 04 ± 1 41 2 4	NR	<493	NR	NR
0587BR	10/12/87	4	06 ± 12	0 00 ± 12	NR	<460	NR	NR
0587BR	10/12/87	4	***					
0587BR	02/22/88	1	0 00 ± 0 27	NR	NR	<220	NR	NR

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l	
0587BR	04/11/88	2	19 ± 11	20	14 ± 17	39	7 6 ± 1 5		0 22 ± 0 07	0 49	5 2 ± 1 1		NR	
0587BR	07/19/88	3	13 ± 5 A		17 ± 6 A		14 ± 1 V		0 29 ± 0 07 V		8 2 ± 0 9 V		NR	
0587BR	10/20/88	4	Data not yet received											
0587BR	11/14/88	4	***											
0587BR	01/16/89	1	19 ± 8 A		14 ± 5 A		NR		NR		NR		NR	
0587BR	04/12/89	2	***											
0587BR	04/12/89	2	7 8 ± 5 0	6	28 3 ± 8 7	11	NR		NR		NR		NR	
0587BR	06/12/89	2	***											
0587BR	06/12/89	2	36 ± 15	17	25 ± 8	11	17 ± 1	0 1	0 4 ± 0 2	0 1	11 ± 1	0 2	-0 3 ± 0 5	0 9
0587BR	07/26/89	3	Data not yet received											
0587BR	07/27/89	3	20 7 ± 3 8	3 6	27 7 ± 4 1	4 4	NR		NR		NR		NR	
0587BR	08/11/89	3	19 ± 16	20	18 ± 12	18	13 ± 1	0	0 3 ± 0 1	0	7 7 ± 0 7	0	0 2 ± 0 6	0
0587BR	10/31/89	4	Data not yet received											
0587BR	02/14/90		Data not yet received											

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0587BR	04/11/88	2	0 02 ± 0 06 0 19	NR	NR	<220 220	NR	NR
0587BR	07/19/88	3	0 00 ± 0 07 V	0 11 ± 0 17 V	NR	210 V	NR	NR
0587BR	10/20/88	4	Data not yet received					
0587BR	11/14/88	4	***					
0587BR	01/16/89	1	NR	NR	NR	<230 V	NR	NR
0587BR	04/12/89	2	***					
0587BR	04/12/89	2	NR	NR	NR	<260	NR	NR
0587BR	06/12/89	2	***					
0587BR	06/12/89	2	0 00 ± 0 01 0 01	**	-0 2 ± 0 6 1 1	180 ± 210 290	0 3 ± 0 4 0 5	NR
0587BR	07/26/89	3	Data not yet received					
0587BR	07/27/89	3	NR	NR	NR	NR	NR	NR
0587BR	08/11/89	3	0 00 ± 0 01 0	0 00 ± 0 01 0	0 2 ± 0 5 0	210 ± 200 27	0 2 ± 0 3 0	NR
0587BR	10/31/89	4	Data not yet received					
0587BR	02/14/90		Data not yet received					

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l		Gross Beta pCi/l		Uranium 233 234 pCi/l		Uranium 235 pCi/l		Uranium 238 pCi/l		Strontium 89, 90 pCi/l	
0387BR	06/16/87	2	See total radiochemistry											
0387BR	06/16/87	2	***											
0387BR	07/09/87	3	0 ± 21	41	53 ± 44	74	0 0 ± 1 1	0 8	0 0 ± 0 5	0 6	0 3 ± 0 7	0 6	<1 0	
0387BR	10/05/87	4	15 ± 19		6 ± 40		1 6 ± 0 2		09 ± 05		53 ± 13		NR	
0387BR	10/05/87	4	***											
0387BR	02/22/88	1	5 ± 5		11 ± 10		1 0 ± 0 3		0 05 ± 0 07		1 5 ± 0 3		NR	
0387BR	04/27/88	2	7 ± 3		13 ± 10	23	0 86 ± 0 27	0 91	0 05 ± 0 04	0 11	0 35 ± 0 24	0 87	NR	
0387BR	07/21/88	3	2 ± 1 A		6 ± 2 A		1 2 ± 0 2 V		0 00 ± 0 03 V		0 42 ± 0 17 V		NR	
0387BR	10/25/88	4	Data not yet received											
0387BR	01/23/89	1	0 ± 1 A		4 ± 2 A		NR		NR		NR		NR	
0387BR	04/17/89	2	1 8 ± 8	8	4 7 ± 2 5	3 6	NR		NR		NR		NR	
0387BR	06/12/89	2	6 ± 3		4 ± 2		0 9 ± 0 3		0 0 ± 0 1		0 2 ± 0 2		0 1 ± 0 5	
0387BR	07/19/89	3	2 3 ± 9	1 1	6 1 ± 2 5	3 5	NR		NR		NR		NR	
0387BR	08/08/89	3	NR		NR		NR		NR		NR		NR	
0387BR	10/31/89	4	2 0 ± 0 8	0 7	5 4 ± 1 9	2 5	1 14 ± 0 63	0 00	0 35 ± 0 35	0 00	0 79 ± 0 53	0 00	0 30 ± 0 33	0 49
0387BR	02/16/90		2 ± 2 0	3 1	4 9 ± 1 3	1 6	7 ± 4	1	0 ± 12	06	05 ± 10	10	0 ± 4	6
4587BR	11/23/87	4	32 ± 9		113 ± 13		2 7 ± 0 4		08 ± 05	10	1 4 ± 0 2		<1 0	
4587BR	11/23/87	4	***											
4587BR	02/25/88	1	9 ± 5		29 ± 11		2 7 ± 0 4		0 12 ± 0 10		1 2 ± 0 3		NR	
4587BR	04/18/88	2	7 ± 8	14	21 ± 15	32	1 9 ± 0 2		0 03 ± 0 03	0 10	1 1 ± 0 2		NR	
4587BR	07/21/88	3	2 ± 1 A		14 ± 2 A		1 3 ± 0 2 V		0 02 ± 0 04 V		0 79 ± 0 20 V		NR	
4587BR	10/17/88	4	Data not yet received											
4587BR	01/23/89	1	2 ± 1 A		11 ± 2 A		NR		NR		NR		NR	
4587BR	04/19/89	2	3 5 ± 1 3	1 5	11 1 ± 3 0	3 8	NR		NR		NR		NR	
4587BR	06/13/89	2	5 ± 5	7	10 ± 3	4	0 5 ± 0 2	0 1	0 0 ± 0 1	0 1	0 2 ± 0 1	0 1	0 2 ± 0 6	1 0
4587BR	07/26/89	3	***											
4587BR	07/27/89	3	2 0 ± 5	6	8 9 ± 2 7	3 6	NR		NR		NR		NR	
4587BR	08/17/89	3	1 ± 4	6	8 ± 3	4	0 2 ± 0 1	0	0 0 ± 0 1	0	0 2 ± 0 2	0	0 3 ± 0 5	0
4587BR	10/20/89	4	2 8 ± 1 1	1 2	9 7 ± 2 2	2 7	0 51 ± 0 30	0 04	0 04 ± 0 08	0	0 40 ± 0 29	0 06	-0 09 ± 0 75	1 24
4587BR	10/20/89	4	3 0 ± 1 4	1 7	7 2 ± 2 2	3 0	1 01 ± 0 53	0 18	0 04 ± 0 14	0 18	0 73 ± 0 43	0	0 60 ± 0 52	0 77
4587BR	03/15/90		Data not yet received											
0887BR	06/13/87	2	***											
0887BR	06/15/87	2	See total radiochemistry											
0887BR	07/09/87	3	10 ± 30	52	50 ± 47	81	-0 2 ± 1 0	0 4	0 0 ± 0 3	0 2	-0 3 ± 0 5	0 5	<1 0	
0887BR	10/07/87	4	***											
0887BR	02/22/88	1	13 ± 11		16 ± 23		4 8 ± 1 2		0 37 ± 0 26		1 9 ± 0 6		NR	
0887BR	04/27/88	2	25 ± 7		17 ± 16	36	4 6 ± 0 4		0 05 ± 0 03	0 12	1 4 ± 0 2		NR	

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Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0387BR	06/16/87	2	See total radiochemistry.					
0387BR	06/16/87	2	***					
0387BR	07/09/87	3	16 ± .96 1 2	.96 ± .32	NR	<614	NR	NR
0387BR	10/06/87	4	06 ± 11	0.00 ± 08	NR	<600	NR	NR
0387BR	10/06/87	4	***					
0387BR	02/22/88	1	0 00 ± 0 19	NR	NR	<220	NR	NR
0387BR	04/27/88	2	0 01 ± 0 05 0 13	0 02 ± 0 10 0 32	NR	<200	NR	NR
0387BR	07/21/88	3	0 00 ± 0 04 V	0 00 ± 0 11 A	NR	210 V	NR	NR
0387BR	10/25/88	4	Data not yet received					
0387BR	01/23/89	1	NR	NR	NR	<250 V	NR	NR
0387BR	04/17/89	2	NR	NR	NR	<270	NR	NR
0387BR	06/12/89	2	0 00 ± 0 01	0 00 ± 0 02	-0 2 ± 0 6	40 ± 210	0 3 ± 0 4	NR
0387BR	07/19/89	3	NR	NR	NR	NR	NR	NR
0387BR	08/08/89	3	NR	NR	NR	190 ± 200 270	NR	NR
0387BR	10/31/89	4	0 006 ± 0 004 0 000	NR	-0 05 ± 0 48 0 80	NR	NR	NR
0387BR	02/16/90		002 ± 004 006	- 008 ± 008 013	05 ± 18 4	NR	NR	NR
4587BR	11/23/87	4	00 ± 12 56	0 0 ± 1 0 6 9	NR	<220	NR	NR
4587BR	11/23/87	4	***					
4587BR	02/25/88	1	0 00 ± 0 18	NR	NR	<200	NR	NR
4587BR	04/18/88	2	0 00 ± 0 03 0 15	0 10 ± 0 16 0 81	NR	<200	NR	NR
4587BR	07/21/88	3	0 00 ± 0 04 V	0 00 ± 0 12 V	NR	210 V	NR	NR
4587BR	10/17/88	4	Data not yet received					
4587BR	01/23/89	1	NR	NR	NR	<230 V	NR	NR
4587BR	04/19/89	2	NR	NR	NR	<270	NR	NR
4587BR	06/13/89	2	0 00 ± 0 01 0 01	0 00 ± 0 01 0 01	0 1 ± 0 6 1 1	90 ± 210 290	0 4 ± 0 4 0 4	NR
4587BR	07/26/89	3	***					
4587BR	07/27/89	3	NR	NR	NR	NR	NR	NR
4587BR	08/17/89	3	0 00 ± 0 01 0	0 00 ± 0 01 0	0 0 ± 0 5 0	140 ± 200 27	NR	NR
4587BR	10/20/89	4	NR	NR	0 14 ± 0 45 0 72	-200 ± 210 360	NR	NR
4587BR	10/20/89	4	NR	NR	0 16 ± 0 68 1 10	-120 ± 220 370	NR	NR
4587BR	03/15/90		Data not yet received					
0887BR	06/13/87	2	***					
0887BR	06/15/87	2	See total radiochemistry					
0887BR	07/09/87	3	00 ± 46 1 1	- 04 ± 18 0 8	NR	<514	NR	NR
0887BR	10/07/87	4	***					
0887BR	02/22/88	1	0 00 ± 0 61	NR	NR	<210	NR	NR
0887BR	04/27/88	2	0 00 ± 0 04 0 20	0 03 ± 0 10 0 51	NR	<220	NR	NR

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications; V = Valid

Dissolved Radiochemistry Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 240 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
08878R	05/09/88	2	***					
08878R	07/21/88	3	0 00 ± 0 04 V	0 01 ± 0 09 V	NR	220 V	NR	NR
08878R	10/25/88	4	Data not yet received					
08878R	01/23/89	1	NR	NR	NR	<230 V	NR	NR
08878R	04/17/89	2	NR	NR	NR	<260	NR	NR
08878R	06/12/89	2	0 00 ± 0 01	0 00 ± 0 01	0 1 ± 0 6	-80 ± 210	1 0 ± 0 6	NR
08878R	07/31/89	3	NR	NR	NR	NR	NR	NR
08878R	08/10/89	3	0 00 ± 0 01 0	0 00 ± 0 01 0	0 0 ± 0 6 0	80 ± 200 27	NR	NR
08878R	10/31/89	4	Data not yet received					
08878R	02/15/90		0017 ± 0017 0025	- 006 ± 006 010	0 ± 18 6	NR	NR	NR

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APPENDIX B-5

TOTAL RADIONUCLIDES

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89,90 pCi/l
0187	10/12/87	4	DRY					
0187	02/10/88	1	See dissolved radiochemistry					
0187	04/11/88	2	DRY					
0187	04/11/88	2	DRY					
0187	07/20/88	3	***					
0187	10/26/88	4	***					
0187	01/12/89	1	DRY					
0187	04/24/89	2	DRY					
0187	06/06/89	2	See dissolved radiochemistry					
0187	07/31/89	3	***					
0187	08/17/89	4	See dissolved radiochemistry					
0187	10/27/89	4	See dissolved radiochemistry					
0187	10/30/89	4	***					
0187	02/02/90		See dissolved radiochemistry					
5187	11/23/87	4	DRY					
5187	02/12/88	1	DRY					
5187	04/18/88	2	DRY					
5187	07/18/88	3	DRY					
5187	10/21/88	4	DRY					
5187	01/18/89	1	DRY					
5187	04/14/89	2	DRY					
5187	06/12/89	2	***					
5187	07/24/89	3	DRY					
5187	08/14/89	3	***					
5187	10/27/89	4	***					
5187	03/23/90		DRY					
5287	11/23/87	4	See dissolved radiochemistry					
5287	11/23/87	4	***					
5287	02/12/88	1	See dissolved radiochemistry					
5287	04/18/88	2	See dissolved radiochemistry					
5287	07/18/88	3	See dissolved radiochemistry					
5287	10/18/88	4	See dissolved radiochemistry					
5287	01/16/89	1	See dissolved radiochemistry					
5287	04/19/89	2	See dissolved radiochemistry					
5287	06/12/89	2	See dissolved radiochemistry					
5287	06/12/89	2	See dissolved radiochemistry					
5287	07/24/89	3	See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0187	10/12/87	4	DRY					
0187	02/10/88	1	See dissolved radiochemistry					
0187	04/11/88	2	DRY					
0187	04/11/88	2	DRY					
0187	07/20/88	3	***					
0187	10/26/88	4	***					
0187	01/12/89	1	DRY					
0187	04/24/89	2	DRY					
0187	06/06/89	2	See dissolved radiochemistry					
0187	07/31/89	3	***					
0187	08/17/89	4	See dissolved radiochemistry					
0187	10/27/89	4	See dissolved radiochemistry					
0187	10/30/89	4	***					
0187	02/02/90		See dissolved radiochemistry					
5187	11/23/87	4	DRY					
5187	02/12/88	1	DRY					
5187	04/18/88	2	DRY					
5187	07/18/88	3	DRY					
5187	10/21/88	4	DRY					
5187	01/18/89	1	DRY					
5187	04/14/89	2	DRY					
5187	06/12/89	2	***					
5187	07/24/89	3	DRY					
5187	08/14/89	3	***					
5187	10/27/89	4	***					
5187	03/23/90		DRY					
5287	11/23/87	4	See dissolved radiochemistry					
5287	11/23/87	4	***					
5287	02/12/88	1	See dissolved radiochemistry					
5287	04/18/88	2	See dissolved radiochemistry					
5287	07/18/88	3	See dissolved radiochemistry					
5287	10/18/88	4	See dissolved radiochemistry					
5287	01/16/89	1	See dissolved radiochemistry					
5287	04/19/89	2	See dissolved radiochemistry					
5287	06/12/89	2	See dissolved radiochemistry					
5287	06/12/89	2	See dissolved radiochemistry					
5287	07/24/89	3	See dissolved radiochemistry					

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
0187	10/12/87	4	DRY		
0187	02/10/88	1	See dissolved radiochemistry		
0187	04/11/88	2	DRY		
0187	04/11/88	2	DRY		
0187	07/20/88	3	***		
0187	10/26/88	4	***		
0187	01/12/89	1	DRY		
0187	04/24/89	2	DRY		
0187	06/06/89	2	See dissolved radiochemistry		
0187	07/31/89	3	***		
0187	08/17/89	4	See dissolved radiochemistry		
0187	10/27/89	4	See dissolved radiochemistry		
0187	10/30/89	4	***		
0187	02/02/90		See dissolved radiochemistry		
5187	11/23/87	4	DRY		
5187	02/12/88	1	DRY		
5187	04/18/88	2	DRY		
5187	07/18/88	3	DRY		
5187	10/21/88	4	DRY		
5187	01/18/89	1	DRY		
5187	04/14/89	2	DRY		
5187	06/12/89	2	***		
5187	07/24/89	3	DRY		
5187	08/14/89	3	***		
5187	10/27/89	4	***		
5187	03/23/90		DRY		
5287	11/23/87	4	See dissolved radiochemistry		
5287	11/23/87	4	***		
5287	02/12/88	1	See dissolved radiochemistry		
5287	04/18/88	2	See dissolved radiochemistry		
5287	07/18/88	3	See dissolved radiochemistry		
5287	10/18/88	4	See dissolved radiochemistry		
5287	01/16/89	1	See dissolved radiochemistry		
5287	04/19/89	2	See dissolved radiochemistry		
5287	06/12/89	2	See dissolved radiochemistry		
5287	06/12/89	2	See dissolved radiochemistry		
5287	07/24/89	3	See dissolved radiochemistry		

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89,90 pCi/l
5287	08/14/89	3	See dissolved radiochemistry					
5287	10/27/89	4	See dissolved radiochemistry					
5287	01/29/90	1	See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
5287	08/14/89	3	See dissolved radiochemistry					
5287	10/27/89	4	See dissolved radiochemistry					
5287	01/29/90	1	See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE ROCKY FLATS ALLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
5287	08/14/89	3	See dissolved radiochemistry		
5287	10/27/89	4	See dissolved radiochemistry		
5287	01/29/90	1	See dissolved radiochemistry		

VALUE QUALIFIERS: NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89 90 pCi/l
0974	08/29/86	3	28 ± 16	28 ± 11	11 ± 2	NR	8 2 ± 1 4	NR
0974	03/09/87	1	100 ± 27	121 ± 21	6 0 ± 1 3	0 26 ± 0 44	5 0 ± 1 1	<0 6
0974	04/09/87	1	28 ± 26	-3 ± 8	6 3 ± 2 3	52 ± 73	2 9 ± 2 1	65
0974	05/21/87	2	21 ± 10	35 ± 14	8 4 ± 1 4	0 08 ± 0 33	7 7 ± 1 3	1 74
0974	07/02/87	3	See dissolved radiochemistry					
0974	08/11/87	3	DRY					
0974	10/20/87	4	See dissolved radiochemistry					
0974	10/28/87	4	***					
0974	11/17/87	4	***					
0974	02/25/88	1	See dissolved radiochemistry					
0974	04/14/88	2	See dissolved radiochemistry					
0974	04/15/88	2	See dissolved radiochemistry					
0974	07/20/88	3	See dissolved radiochemistry					
0974	10/25/88	4	See dissolved radiochemistry					
0974	01/25/89	1	See dissolved radiochemistry					
0974	04/24/89	2	See dissolved radiochemistry					
0974	05/15/89	2	***					
0974	05/15/89	2	***					
0974	05/16/89	2	***					
0974	05/16/89	2	See dissolved radiochemistry					
0974	07/26/89		DRY					
0974	08/22/89	3	See dissolved radiochemistry					
0974	08/22/89	3	See dissolved radiochemistry					
0974	10/26/89	4	See dissolved radiochemistry					
0974	10/27/89	4	See dissolved radiochemistry					
0974	02/06/90		See dissolved radiochemistry					
0974	02/13/90		Data not yet received					
1074	05/21/87	2	54 ± 20	97 ± 5	8 2 ± 1 9	0 0 ± 0 36	4 2 ± 1 3	2 18
1074	07/01/87	3	DRY					
1074	10/20/87	4	***					
1074	10/20/87	4	***					
1074	02/25/88	1	See dissolved radiochemistry					
1074	07/19/88	3	See dissolved radiochemistry					
1074	10/25/88	4	See dissolved radiochemistry					
1074	01/16/89	1	See dissolved radiochemistry					
1074	04/24/89	2	***					
1074	06/09/89	2	***					
1074	06/09/89	2	***					

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0974	08/29/86	3	-0 02 ± 0 07	0 01 ± 0 08	NR	0 11 ± 0 22 L	NR	NR
0974	03/09/87	1	0 28 ± 0 59	NR	NR	<110	NR	NR
0974	04/09/87	1	0 0 ± 1 1	0 0 ± 3 5	NR	<110	NR	NR
0974	05/21/87	2	19 ± 75	0 0 ± 1 2	NR	<110	NR	NR
0974	07/02/87	3	See dissolved radiochemistry					
0974	08/11/87	3	DRY					
0974	10/20/87	4	See dissolved radiochemistry					
0974	10/28/87	4	***					
0974	11/17/87	4	***					
0974	02/25/88	1	See dissolved radiochemistry					
0974	04/14/88	2	See dissolved radiochemistry					
0974	04/15/88	2	See dissolved radiochemistry					
0974	07/20/88	3	See dissolved radiochemistry					
0974	10/25/88	4	See dissolved radiochemistry					
0974	01/25/89	1	See dissolved radiochemistry					
0974	04/24/89	2	See dissolved radiochemistry					
0974	05/15/89	2	***					
0974	05/15/89	2	***					
0974	05/16/89	2	***					
0974	05/16/89	2	See dissolved radiochemistry					
0974	07/26/89		DRY					
0974	08/22/89	3	See dissolved radiochemistry					
0974	08/22/89	3	See dissolved radiochemistry					
0974	10/26/89	4	See dissolved radiochemistry					
0974	10/27/89	4	See dissolved radiochemistry					
0974	02/06/90		See dissolved radiochemistry					
0974	02/13/90		Data not yet received					
1074	05/21/87	2	0 020 ± 0 79	0 0 ± 1 2	NR	<110	NR	NR
1074	07/01/87	3	DRY					
1074	10/20/87	4	***					
1074	10/20/87	4	***					
1074	02/25/88	1	See dissolved radiochemistry					
1074	07/19/88	3	See dissolved radiochemistry					
1074	10/25/88	4	See dissolved radiochemistry					
1074	01/16/89	1	See dissolved radiochemistry					
1074	04/24/89	2	***					
1074	06/09/89	2	***					
1074	06/09/89	2	***					

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
0974	08/29/86	3	19 200	NR	NR
0974	03/09/87	1	11 260	NR	NR
0974	04/09/87	1	9 720	NR	NR
0974	05/21/87	2	16 180	NR	NR
0974	07/02/87	3	See dissolved radiochemistry		
0974	08/11/87	3	DRY		
0974	10/20/87	4	See dissolved radiochemistry		
0974	10/28/87	4	***		
0974	11/17/87	4	***		
0974	02/25/88	1	See dissolved radiochemistry		
0974	04/14/88	2	See dissolved radiochemistry		
0974	04/15/88	2	See dissolved radiochemistry		
0974	07/20/88	3	See dissolved radiochemistry		
0974	10/25/88	4	See dissolved radiochemistry		
0974	01/25/89	1	See dissolved radiochemistry		
0974	04/24/89	2	See dissolved radiochemistry		
0974	05/15/89	2	***		
0974	05/15/89	2	***		
0974	05/16/89	2	***		
0974	05/16/89	2	See dissolved radiochemistry		
0974	07/26/89		DRY		
0974	08/22/89	3	See dissolved radiochemistry		
0974	08/22/89	3	See dissolved radiochemistry		
0974	10/26/89	4	See dissolved radiochemistry		
0974	10/27/89	4	See dissolved radiochemistry		
0974	02/06/90		See dissolved radiochemistry		
0974	02/13/90		Data not yet received		
1074	05/21/87	2	12 400	NR	NR
1074	07/01/87	3	DRY		
1074	10/20/87	4	***		
1074	10/20/87	4	***		
1074	02/25/88	1	See dissolved radiochemistry		
1074	07/19/88	3	See dissolved radiochemistry		
1074	10/25/88	4	See dissolved radiochemistry		
1074	01/16/89	1	See dissolved radiochemistry		
1074	04/24/89	2	***		
1074	06/09/89	2	***		
1074	06/09/89	2	***		

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89,90 pCi/l
1074	06/10/89	2	See dissolved radiochemistry					
1074	06/12/89	2	***					
1074	07/26/89	3	See dissolved radiochemistry					
1074	07/27/89	3	See dissolved radiochemistry					
1074	08/23/89	3	See dissolved radiochemistry					
1074	08/23/89	3	See dissolved radiochemistry					
1074	10/26/89	4	See dissolved radiochemistry					
1074	02/05/90		See dissolved radiochemistry					
1074	02/13/90		Data not yet received					
6386	10/06/86	4	DRY					
6386	07/06/87	3	DRY					
6386	10/14/87	4	DRY					
6386	02/17/88	1	DRY					
6386	04/13/88	2	DRY					
6386	07/18/88	3	DRY					
6386	10/21/88	4	DRY					
6386	01/18/89	1	DRY					
6386	04/14/89	2	DRY					
6386	06/10/89	2	DRY					
6386	07/19/89	3	DRY					
6386	07/26/89	3	DRY					
6386	10/18/89	4	DRY					
6386	01/16/90	1	DRY					
6986	10/08/86	4	150 ± 40	100 ± 30	14 ± 1	NR	11 ± 1	NR
6986	10/08/86	4	200 ± 60	130 ± 30	14 ± 1	NR	11 ± 1	NR
6986	04/29/87	1	40 ± 7	49 ± 75	12 ± 3	66 ± 62	33 ± 5	83
6986	05/26/87	2	41 ± 13	75 ± 2	10 ± 2	0 3 ± 0 51	7 2 ± 1 3	<1 0
6986	07/06/87	3	See dissolved radiochemistry					
6986	10/07/87	4	See dissolved radiochemistry					
6986	10/08/87	4	See dissolved radiochemistry					
6986	02/10/88	1	See dissolved radiochemistry					
6986	04/11/88	2	See dissolved radiochemistry					
6986	07/18/88	3	See dissolved radiochemistry					
6986	10/20/88	4	See dissolved radiochemistry					
6986	01/12/89	1	See dissolved radiochemistry					
6986	04/17/89	2	See dissolved radiochemistry					
6986	05/26/89	2	See dissolved radiochemistry					

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
1074	06/10/89	2	See dissolved radiochemistry					
1074	06/12/89	2	***					
1074	07/26/89	3	See dissolved radiochemistry					
1074	07/27/89	3	See dissolved radiochemistry					
1074	08/23/89	3	See dissolved radiochemistry					
1074	08/23/89	3	See dissolved radiochemistry					
1074	10/26/89	4	See dissolved radiochemistry					
1074	02/05/90		See dissolved radiochemistry					
1074	02/13/90		Data not yet received					
6386	10/06/86	4	DRY					
6386	07/06/87	3	DRY					
6386	10/14/87	4	DRY					
6386	02/17/88	1	DRY					
6386	04/13/88	2	DRY					
6386	07/18/88	3	DRY					
6386	10/21/88	4	DRY					
6386	01/18/89	1	DRY					
6386	04/14/89	2	DRY					
6386	06/10/89	2	DRY					
6386	07/19/89	3	DRY					
6386	07/26/89	3	DRY					
6386	10/18/89	4	DRY					
6386	01/16/90	1	DRY					
6986	10/08/86	4	-0 02 ± 0 07	0 02 ± 0 07	NR	-0 04 ± 0 21 L	NR	NR
6986	10/08/86	4	-0 01 ± 0 08	0 01 ± 0 04	NR	-0 02 ± 0 21 L	NR	NR
6986	04/29/87	1	0 0 ± 2 1	0 0 ± 1 3	NR	300	NR	NR
6986	05/26/87	2	0 0 ± 0 6	0 0 ± 1 8	NR	<110	NR	NR
6986	07/06/87	3	See dissolved radiochemistry					
6986	10/07/87	4	See dissolved radiochemistry					
6986	10/08/87	4	See dissolved radiochemistry					
6986	02/10/88	1	See dissolved radiochemistry					
6986	04/11/88	2	See dissolved radiochemistry					
6986	07/18/88	3	See dissolved radiochemistry					
6986	10/20/88	4	See dissolved radiochemistry					
6986	01/12/89	1	See dissolved radiochemistry					
6986	04/17/89	2	See dissolved radiochemistry					
6986	05/26/89	2	See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
1074	06/10/89	2	See dissolved radiochemistry		
1074	06/12/89	2	***		
1074	07/26/89	3	See dissolved radiochemistry		
1074	07/27/89	3	See dissolved radiochemistry		
1074	08/23/89	3	See dissolved radiochemistry		
1074	08/23/89	3	See dissolved radiochemistry		
1074	10/26/89	4	See dissolved radiochemistry		
1074	02/05/90		See dissolved radiochemistry		
1074	02/13/90		Data not yet received		
6386	10/06/86	4	DRY		
6386	07/06/87	3	DRY		
6386	10/14/87	4	DRY		
6386	02/17/88	1	DRY		
6386	04/13/88	2	DRY		
6386	07/18/88	3	DRY		
6386	10/21/88	4	DRY		
6386	01/18/89	1	DRY		
6386	04/14/89	2	DRY		
6386	06/10/89	2	DRY		
6386	07/19/89	3	DRY		
6386	07/26/89	3	DRY		
6386	10/18/89	4	DRY		
6386	01/16/90	1	DRY		
6986	10/08/86	4	25 000	NR	NR
6986	10/08/86	4	25 000	NR	NR
6986	04/29/87	1	45 660	NR	NR
6986	05/26/87	2	17 500	NR	NR
6986	07/06/87	3	See dissolved radiochemistry		
6986	10/07/87	4	See dissolved radiochemistry		
6986	10/08/87	4	See dissolved radiochemistry		
6986	02/10/88	1	See dissolved radiochemistry		
6986	04/11/88	2	See dissolved radiochemistry		
6986	07/18/88	3	See dissolved radiochemistry		
6986	10/20/88	4	See dissolved radiochemistry		
6986	01/12/89	1	See dissolved radiochemistry		
6986	04/17/89	2	See dissolved radiochemistry		
6986	05/26/89	2	See dissolved radiochemistry		

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89,90 pCi/l
6986	07/26/89	3	See dissolved radiochemistry					
6986	07/27/89	3	See dissolved radiochemistry					
6986	08/11/89	3	See dissolved radiochemistry					
6986	10/17/89	4	See dissolved radiochemistry					
6986	10/17/89	4	See dissolved radiochemistry					
6986	02/12/90		See dissolved radiochemistry					
6986	02/12/90		See dissolved radiochemistry					
0287	05/29/87	1	130 ± 17	100 ± 12	9 6 ± 2 6	70 ± 76	6 3 ± 1 9	0 74
0287	06/24/87	2	***					
0287	07/09/87	3	See dissolved radiochemistry					
0287	10/07/87	4	See dissolved radiochemistry					
0287	10/08/87	4	See dissolved radiochemistry					
0287	02/10/88	1	See dissolved radiochemistry					
0287	04/07/88	2	See dissolved radiochemistry					
0287	07/13/88	3	See dissolved radiochemistry					
0287	10/20/88	4	See dissolved radiochemistry					
0287	11/14/88	4	***					
0287	01/12/89	1	See dissolved radiochemistry					
0287	04/17/89	2	See dissolved radiochemistry					
0287	04/17/89	2	See dissolved radiochemistry					
0287	05/26/89	2	See dissolved radiochemistry					
0287	05/30/89	2	See dissolved radiochemistry					
0287	07/19/89	3	See dissolved radiochemistry					
0287	07/25/89	3	See dissolved radiochemistry					
0287	10/25/89	4	See dissolved radiochemistry					
0287	02/02/90	1	See dissolved radiochemistry					
0487	05/20/87	1	220 ± 10	134 ± 15	22 ± 3	81 ± 71	10 ± 3	4 50
0487	05/26/87	2	***					
0487	07/09/87	3	See dissolved radiochemistry					
0487	10/14/87	4	See dissolved radiochemistry					
0487	10/14/87	4	***					
0487	02/15/88	1	See dissolved radiochemistry					
0487	04/13/88	2	See dissolved radiochemistry					
0487	07/14/88	3	See dissolved radiochemistry					
0487	10/20/88	4	See dissolved radiochemistry					
0487	01/12/89	1	See dissolved radiochemistry					
0487	04/17/89	2	See dissolved radiochemistry					

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
6986	07/26/89	3	See dissolved radiochemistry					
6986	07/27/89	3	See dissolved radiochemistry					
6986	08/11/89	3	See dissolved radiochemistry					
6986	10/17/89	4	See dissolved radiochemistry					
6986	10/17/89	4	See dissolved radiochemistry					
6986	02/12/90		See dissolved radiochemistry					
6986	02/12/90		See dissolved radiochemistry					
0287	05/29/87	1	0 9 ± 1 1	0 0 ± 6 0	1 4	120	NR	NR
0287	06/24/87	2	***					
0287	07/09/87	3	See dissolved radiochemistry					
0287	10/07/87	4	See dissolved radiochemistry					
0287	10/08/87	4	See dissolved radiochemistry					
0287	02/10/88	1	See dissolved radiochemistry					
0287	04/07/88	2	See dissolved radiochemistry					
0287	07/13/88	3	See dissolved radiochemistry					
0287	10/20/88	4	See dissolved radiochemistry					
0287	11/14/88	4	***					
0287	01/12/89	1	See dissolved radiochemistry					
0287	04/17/89	2	See dissolved radiochemistry					
0287	04/17/89	2	See dissolved radiochemistry					
0287	05/26/89	2	See dissolved radiochemistry					
0287	05/30/89	2	See dissolved radiochemistry					
0287	07/19/89	3	See dissolved radiochemistry					
0287	07/25/89	3	See dissolved radiochemistry					
0287	10/25/89	4	See dissolved radiochemistry					
0287	02/02/90	1	See dissolved radiochemistry					
0487	05/20/87	1	0 0 ± 55	0 0 ± 2 6	3 1	<110	NR	NR
0487	05/26/87	2	***					
0487	07/09/87	3	See dissolved radiochemistry					
0487	10/14/87	4	See dissolved radiochemistry					
0487	10/14/87	4	***					
0487	02/15/88	1	See dissolved radiochemistry					
0487	04/13/88	2	See dissolved radiochemistry					
0487	07/14/88	3	See dissolved radiochemistry					
0487	10/20/88	4	See dissolved radiochemistry					
0487	01/12/89	1	See dissolved radiochemistry					
0487	04/17/89	2	See dissolved radiochemistry					

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
6986	07/26/89	3	See dissolved radiochemistry		
6986	07/27/89	3	See dissolved radiochemistry		
6986	08/11/89	3	See dissolved radiochemistry		
6986	10/17/89	4	See dissolved radiochemistry		
6986	10/17/89	4	See dissolved radiochemistry		
6986	02/12/90		See dissolved radiochemistry		
6986	02/12/90				NR
0287	05/29/87	1	16 600	NR	
0287	06/24/87	2	***		
0287	07/09/87	3	See dissolved radiochemistry		
0287	10/07/87	4	See dissolved radiochemistry		
0287	10/08/87	4	See dissolved radiochemistry		
0287	02/10/88	1	See dissolved radiochemistry		
0287	04/07/88	2	See dissolved radiochemistry		
0287	07/13/88	3	See dissolved radiochemistry		
0287	10/20/88	4	See dissolved radiochemistry		
0287	11/14/88	4	***		
0287	01/12/89	1	See dissolved radiochemistry		
0287	04/17/89	2	See dissolved radiochemistry		
0287	04/17/89	2	See dissolved radiochemistry		
0287	05/26/89	2	See dissolved radiochemistry		
0287	05/30/89	2	See dissolved radiochemistry		
0287	07/19/89	3	See dissolved radiochemistry		
0287	07/25/89	3	See dissolved radiochemistry		
0287	10/25/89	4	See dissolved radiochemistry		
0287	02/02/90	1	See dissolved radiochemistry		
0287				NR	NR
0487	05/20/87	1	36 810	***	
0487	05/26/87	2	See dissolved radiochemistry		
0487	07/09/87	3	See dissolved radiochemistry		
0487	10/14/87	4	***		
0487	10/14/87	4	See dissolved radiochemistry		
0487	02/15/88	1	See dissolved radiochemistry		
0487	04/13/88	2	See dissolved radiochemistry		
0487	07/14/88	3	See dissolved radiochemistry		
0487	10/20/88	4	See dissolved radiochemistry		
0487	01/12/89	1	See dissolved radiochemistry		
0487	04/17/89	2	See dissolved radiochemistry		

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89,90 pCi/l
0487	06/09/89	2	***					
0487	06/09/89	2	***					
0487	06/10/89	2	See dissolved radiochemistry					
0487	06/12/89	2	***					
0487	07/19/89	3	See dissolved radiochemistry					
0487	07/26/89	3	See dissolved radiochemistry					
0487	10/16/89	4	See dissolved radiochemistry					
0487	01/31/90	1	See dissolved radiochemistry					
0687	07/30/87	3	See dissolved radiochemistry					
0687	08/25/87	3	***					
0687	10/14/87	4	***					
0687	10/14/87	4	***					
0687	02/17/88	1	See dissolved radiochemistry					
0687	04/13/88	2	***					
0687	07/14/88	3	***					
0687	10/26/88	4	DRY					
0687	01/18/89	1	DRY					
0687	04/19/89	2	***					
0687	06/10/89	2	See dissolved radiochemistry					
0687	07/24/89	3	DRY					
0687	07/26/89	3	See dissolved radiochemistry					
0687	10/19/89	4	See dissolved radiochemistry					
0687	10/27/89	4	***					
0687	01/31/90	1	See dissolved radiochemistry					
4387	12/18/87	4	See dissolved radiochemistry					
4387	02/22/88	1	See dissolved radiochemistry					
4387	04/11/88	2	See dissolved radiochemistry					
4387	07/20/88	3	See dissolved radiochemistry					
4387	10/17/88	4	***					
4387	01/25/89	1	***					
4387	04/24/89	2	***					
4387	06/10/89	2	***					
4387	06/10/89	2	***					
4387	06/11/89	2	***					
4387	06/11/89	2	See dissolved radiochemistry					
4387	07/26/89	3	***					
4387	08/18/89	3	See dissolved radiochemistry					

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0487	06/09/89	2	***					
0487	06/09/89	2	***					
0487	06/10/89	2	See dissolved radiochemistry					
0487	06/12/89	2	***					
0487	07/19/89	3	See dissolved radiochemistry					
0487	07/26/89	3	See dissolved radiochemistry					
0487	10/16/89	4	See dissolved radiochemistry					
0487	01/31/90	1	See dissolved radiochemistry					
0687	07/30/87	3	See dissolved radiochemistry					
0687	08/25/87	3	***					
0687	10/14/87	4	***					
0687	10/14/87	4	***					
0687	02/17/88	1	See dissolved radiochemistry					
0687	04/13/88	2	***					
0687	07/14/88	3	***					
0687	10/26/88	4	DRY					
0687	01/18/89	1	DRY					
0687	04/19/89	2	***					
0687	06/10/89	2	See dissolved radiochemistry					
0687	07/24/89	3	DRY					
0687	07/26/89	3	See dissolved radiochemistry					
0687	10/19/89	4	See dissolved radiochemistry					
0687	10/27/89	4	***					
0687	01/31/90	1	See dissolved radiochemistry					
4387	12/18/87	4	See dissolved radiochemistry					
4387	02/22/88	1	See dissolved radiochemistry					
4387	04/11/88	2	See dissolved radiochemistry					
4387	07/20/88	3	See dissolved radiochemistry					
4387	10/17/88	4	***					
4387	01/25/89	1	***					
4387	04/24/89	2	***					
4387	06/10/89	2	***					
4387	06/10/89	2	***					
4387	06/11/89	2	***					
4387	06/11/89	2	See dissolved radiochemistry					
4387	07/26/89	3	***					
4387	08/18/89	3	See dissolved radiochemistry					

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
0487	06/09/89	2	***		
0487	06/09/89	2	***		
0487	06/10/89	2	See dissolved radiochemistry		
0487	06/12/89	2	***		
0487	07/19/89	3	See dissolved radiochemistry		
0487	07/26/89	3	See dissolved radiochemistry		
0487	10/16/89	4	See dissolved radiochemistry		
0487	01/31/90	1	See dissolved radiochemistry		
0687	07/30/87	3	See dissolved radiochemistry		
0687	08/25/87	3	***		
0687	10/14/87	4	***		
0687	10/14/87	4	***		
0687	02/17/88	1	See dissolved radiochemistry		
0687	04/13/88	2	***		
0687	07/14/88	3	***		
0687	10/26/88	4	DRY		
0687	01/18/89	1	DRY		
0687	04/19/89	2	***		
0687	06/10/89	2	See dissolved radiochemistry		
0687	07/24/89	3	DRY		
0687	07/26/89	3	See dissolved radiochemistry		
0687	10/19/89	4	See dissolved radiochemistry		
0687	10/27/89	4	***		
0687	01/31/90	1	See dissolved radiochemistry		
4387	12/18/87	4	See dissolved radiochemistry		
4387	02/22/88	1	See dissolved radiochemistry		
4387	04/11/88	2	See dissolved radiochemistry		
4387	07/20/88	3	See dissolved radiochemistry		
4387	10/17/88	4	***		
4387	01/25/89	1	***		
4387	04/24/89	2	***		
4387	06/10/89	2	***		
4387	06/10/89	2	***		
4387	06/11/89	2	***		
4387	06/11/89	2	See dissolved radiochemistry		
4387	07/26/89	3	***		
4387	08/18/89	3	See dissolved radiochemistry		

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89,90 pCi/l
4387	10/26/89	4	See dissolved radiochemistry					
4387	02/01/90		See dissolved radiochemistry					
4387	02/13/90		Data not yet received					
4487	11/14/87	4	DRY					
4487	02/22/88	1	DRY					
4487	04/18/88	2	DRY					
4487	07/20/88	3	DRY					
4487	10/26/88	4	DRY					
4487	01/18/89	1	DRY					
4487	04/14/89	2	DRY					
4487	06/10/89	2	DRY					
4487	07/26/89		DRY					
4487	08/17/89	3	DRY					
4487	10/26/89	4	DRY					
4487	01/15/90	1	DRY					
4787	11/30/87	4	***					
4787	11/30/87	4	***					
4787	02/15/88	1	DRY					
4787	04/13/88	2	DRY					
4787	07/18/88	3	DRY					
4787	10/21/88	4	DRY					
4787	01/18/89	1	DRY					
4787	04/14/89	2	DRY					
4787	06/10/89	2	***					
4787	07/24/89	3	DRY					
4787	07/26/89	3	DRY					
4787	10/20/89	4	DRY					
4787	02/15/90		DRY					
4887	11/18/87	4	***					
4887	11/18/87	4	***					
4887	02/15/88	1	See dissolved radiochemistry					
4887	04/13/88	2	***					
4887	07/18/88	3	DRY					
4887	10/21/88	4	DRY					
4887	01/18/89	1	DRY					
4887	04/14/89	2	DRY					

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
4387	10/26/89	4	See dissolved radiochemistry					
4387	02/01/90		See dissolved radiochemistry					
4387	02/13/90		Data not yet received					
4487	11/14/87	4	DRY					
4487	02/22/88	1	DRY					
4487	04/18/88	2	DRY					
4487	07/20/88	3	DRY					
4487	10/26/88	4	DRY					
4487	01/18/89	1	DRY					
4487	04/14/89	2	DRY					
4487	06/10/89	2	DRY					
4487	07/26/89		DRY					
4487	08/17/89	3	DRY					
4487	10/26/89	4	DRY					
4487	01/15/90	1	DRY					
4787	11/30/87	4	***					
4787	11/30/87	4	***					
4787	02/15/88	1	DRY					
4787	04/13/88	2	DRY					
4787	07/18/88	3	DRY					
4787	10/21/88	4	DRY					
4787	01/18/89	1	DRY					
4787	04/14/89	2	DRY					
4787	06/10/89	2	***					
4787	07/24/89	3	DRY					
4787	07/26/89	3	DRY					
4787	10/20/89	4	DRY					
4787	02/15/90		DRY					
4887	11/18/87	4	***					
4887	11/18/87	4	***					
4887	02/15/88	1	See dissolved radiochemistry					
4887	04/13/88	2	***					
4887	07/18/88	3	DRY					
4887	10/21/88	4	DRY					
4887	01/18/89	1	DRY					
4887	04/14/89	2	DRY					

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
4387	10/26/89	4	See dissolved radiochemistry		
4387	02/01/90		See dissolved radiochemistry		
4387	02/13/90		Data not yet received		
4487	11/14/87	4	DRY		
4487	02/22/88	1	DRY		
4487	04/18/88	2	DRY		
4487	07/20/88	3	DRY		
4487	10/26/88	4	DRY		
4487	01/18/89	1	DRY		
4487	04/14/89	2	DRY		
4487	06/10/89	2	DRY		
4487	07/26/89		DRY		
4487	08/17/89	3	DRY		
4487	10/26/89	4	DRY		
4487	01/15/90	1	DRY		
4787	11/30/87	4	***		
4787	11/30/87	4	***		
4787	02/15/88	1	DRY		
4787	04/13/88	2	DRY		
4787	07/18/88	3	DRY		
4787	10/21/88	4	DRY		
4787	01/18/89	1	DRY		
4787	04/14/89	2	DRY		
4787	06/10/89	2	***		
4787	07/24/89	3	DRY		
4787	07/26/89	3	DRY		
4787	10/20/89	4	DRY		
4787	02/15/90		DRY		
4887	11/18/87	4	**		
4887	11/18/87	4	***		
4887	02/15/88	1	See dissolved radiochemistry		
4887	04/13/88	2	***		
4887	07/18/88	3	DRY		
4887	10/21/88	4	DRY		
4887	01/18/89	1	DRY		
4887	04/14/89	2	DRY		

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89 90 pCi/l
4887	06/09/89	2	See dissolved radiochemistry					
4887	07/24/89	3	DRY					
4887	07/25/89	3	See dissolved radiochemistry					
4887	10/20/89	4	DRY					
4887	01/16/90	1	DRY					
4987	11/18/87	4	DRY					
4987	02/17/88	1	DRY					
4987	04/13/88	2	DRY					
4987	04/13/88	2	DRY					
4987	07/18/88	3	DRY					
4987	10/21/88	4	DRY					
4987	01/18/89	1	DRY					
4987	04/14/89	2	DRY					
4987	06/10/89	2	DRY					
4987	07/24/89	3	DRY					
4987	07/26/89	3	DRY					
4987	10/17/89	4	DRY					
4987	01/16/90	1	DRY					
5087	11/18/87	4	***					
5087	11/18/87	4	***					
5087	02/17/88	1	DRY					
5087	04/13/88	2	DRY					
5087	07/18/88	3	DRY					
5087	10/21/88	4	DRY					
5087	01/18/89	1	DRY					
5087	04/14/89	2	DRY					
5087	06/09/89	2	DRY					
5087	07/24/89	3	DRY					
5087	07/25/89	3	DRY					
5087	10/17/89	4	DRY					
5087	01/16/90	1	DRY					
5387	11/18/87	4	***					
5387	11/18/87	4	***					
5387	02/10/88	1	DRY					
5387	04/11/88	2	***					
5387	07/18/88	3	DRY					

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, @ = @cceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
4887	06/09/89	2	See dissolved radiochemistry					
4887	07/24/89	3	DRY					
4887	07/25/89	3	See dissolved radiochemistry					
4887	10/20/89	4	DRY					
4887	01/16/90	1	DRY					
4987	11/18/87	4	DRY					
4987	02/17/88	1	DRY					
4987	04/13/88	2	DRY					
4987	04/13/88	2	DRY					
4987	07/18/88	3	DRY					
4987	10/21/88	4	DRY					
4987	01/18/89	1	DRY					
4987	04/14/89	2	DRY					
4987	06/10/89	2	DRY					
4987	07/24/89	3	DRY					
4987	07/26/89	3	DRY					
4987	10/17/89	4	DRY					
4987	01/16/90	1	DRY					
5087	11/18/87	4	***					
5087	11/18/87	4	***					
5087	02/17/88	1	DRY					
5087	04/13/88	2	DRY					
5087	07/18/88	3	DRY					
5087	10/21/88	4	DRY					
5087	01/18/89	1	DRY					
5087	04/14/89	2	DRY					
5087	06/09/89	2	DRY					
5087	07/24/89	3	DRY					
5087	07/25/89	3	DRY					
5087	10/17/89	4	DRY					
5087	01/16/90	1	DRY					
5387	11/18/87	4	***					
5387	11/18/87	4	***					
5387	02/10/88	1	DRY					
5387	04/11/88	2	***					
5387	07/18/88	3	DRY					

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
4887	06/09/89	2	See dissolved radiochemistry		
4887	07/24/89	3	DRY		
4887	07/25/89	3	See dissolved radiochemistry		
4887	10/20/89	4	DRY		
4887	01/16/90	1	DRY		
4987	11/18/87	4	DRY		
4987	02/17/88	1	DRY		
4987	04/13/88	2	DRY		
4987	04/13/88	2	DRY		
4987	07/18/88	3	DRY		
4987	10/21/88	4	DRY		
4987	01/18/89	1	DRY		
4987	04/14/89	2	DRY		
4987	06/10/89	2	DRY		
4987	07/24/89	3	DRY		
4987	07/26/89	3	DRY		
4987	10/17/89	4	DRY		
4987	01/16/90	1	DRY		
5087	11/18/87	4	***		
5087	11/18/87	4	***		
5087	02/17/88	1	DRY		
5087	04/13/88	2	DRY		
5087	07/18/88	3	DRY		
5087	10/21/88	4	DRY		
5087	01/18/89	1	DRY		
5087	04/14/89	2	DRY		
5087	06/09/89	2	DRY		
5087	07/24/89	3	DRY		
5087	07/25/89	3	DRY		
5087	10/17/89	4	DRY		
5087	01/16/90	1	DRY		
5387	11/18/87	4	***		
5387	11/18/87	4	***		
5387	02/10/88	1	DRY		
5387	04/11/88	2	***		
5387	07/18/88	3	DRY		

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89 90 pCi/l
5387	10/21/88	4	DRY					
5387	01/18/89	1	DRY					
5387	04/17/89	2	DRY					
5387	06/08/89	2	***					
5387	07/19/89	3	DRY					
5387	07/25/89	3	***					
5387	10/25/89	4	DRY					
5387	02/05/90	1	See dissolved radiochemistry					
5487	11/18/87	4	***					
5487	11/18/87	4	***					
5487	11/18/87	4	***					
5487	02/10/88	1	DRY					
5487	04/11/88	2	***					
5487	07/18/88	3	DRY					
5487	10/21/88	4	DRY					
5487	01/18/89	1	DRY					
5487	04/17/89	2	DRY					
5487	06/08/89	2	See diesolved radiochemistry					
5487	07/19/89	3	DRY					
5487	07/26/89	3	***					
5487	10/25/89	4	DRY					
5487	01/30/90	1	See dissolved radiochemistry					
B302089	05/16/89	2	DRY					
B302089	07/21/89	2	See dissolved radiochemistry					
B302089	10/06/89	4	DRY					
B302089	01/29/90	1	See dissolved radiochemistry					
B302089	02/26/90		DRY					
B301889	05/11/89	2	DRY					
B301889	07/21/89	3	DRY					
B301889	10/05/89	3	DRY					
B301889	01/16/90	1	DRY					
5986R	06/06/89	2	See dissolved radiochemistry					
5986R	07/25/89	3	See dissolved radiochemistry					
5986R	08/10/89	3	***					
5986R	10/17/89	4	See dissolved radiochemistry					

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Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
5387	10/21/88	4	DRY					
5387	01/18/89	1	DRY					
5387	04/17/89	2	DRY					
5387	06/08/89	2	***					
5387	07/19/89	3	DRY					
5387	07/25/89	3	***					
5387	10/25/89	4	DRY					
5387	02/05/90	1	See dissolved radiochemistry					
5487	11/18/87	4	***					
5487	11/18/87	4	***					
5487	11/18/87	4	***					
5487	02/10/88	1	DRY					
5487	04/11/88	2	***					
5487	07/18/88	3	DRY					
5487	10/21/88	4	DRY					
5487	01/18/89	1	DRY					
5487	04/17/89	2	DRY					
5487	06/08/89	2	See dissolved radiochemistry					
5487	07/19/89	3	DRY					
5487	07/26/89	3	***					
5487	10/25/89	4	DRY					
5487	01/30/90	1	See dissolved radiochemistry					
B302089	05/16/89	2	DRY					
B302089	07/21/89	2	See dissolved radiochemistry					
B302089	10/06/89	4	DRY					
B302089	01/29/90	1	See dissolved radiochemistry					
B302089	02/26/90		DRY					
B301889	05/11/89	2	DRY					
B301889	07/21/89	3	DRY					
B301889	10/05/89	3	DRY					
B301889	01/16/90	1	DRY					
5986R	06/06/89	2	See dissolved radiochemistry					
5986R	07/25/89	3	See dissolved radiochemistry					
5986R	08/10/89	3	***					
5986R	10/17/89	4	See dissolved radiochemistry					

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
5387	10/21/88	4	DRY		
5387	01/18/89	1	DRY		
5387	04/17/89	2	DRY		
5387	06/08/89	2	***		
5387	07/19/89	3	DRY		
5387	07/25/89	3	***		
5387	10/25/89	4	DRY		
5387	02/05/90	1	See dissolved radiochemistry		
5487	11/18/87	4	***		
5487	11/18/87	4	***		
5487	11/18/87	4	***		
5487	02/10/88	1	DRY		
5487	04/11/88	2	***		
5487	07/18/88	3	DRY		
5487	10/21/88	4	DRY		
5487	01/18/89	1	DRY		
5487	04/17/89	2	DRY		
5487	06/08/89	2	See dissolved radiochemistry		
5487	07/19/89	3	DRY		
5487	07/26/89	3	***		
5487	10/25/89	4	DRY		
5487	01/30/90	1	See dissolved radiochemistry		
B302089	05/16/89	2	DRY		
B302089	07/21/89	2	See dissolved radiochemistry		
B302089	10/06/89	4	DRY		
B302089	01/29/90	1	See dissolved radiochemistry		
B302089	02/26/90		DRY		
B301889	05/11/89	2	DRY		
B301889	07/21/89	3	DRY		
B301889	10/05/89	3	DRY		
B301889	01/16/90	1	DRY		
5986R	06/06/89	2	See dissolved radiochemistry		
5986R	07/25/89	3	See dissolved radiochemistry		
5986R	08/10/89	3	***		
5986R	10/17/89	4	See dissolved radiochemistry		

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89,90 pCi/l
5986R	03/20/90		See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
5986R	03/20/90		See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE COLLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
5986R	03/20/90		See dissolved radiochemistry		

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89 90 pCi/l
5886	09/13/86	3	DRY					
5886	07/14/87	3	DRY					
5886	10/12/87	4	DRY					
5886	02/15/88	1	DRY					
5886	04/07/88	2	DRY					
5886	07/13/88	3	DRY					
5886	10/21/88	4	DRY					
5886	01/18/89	1	DRY					
5886	04/14/89	2	DRY					
5886	07/31/89		DRY					
5886	11/28/89	4	DRY					
5886	01/16/90	1	DRY					
6486	09/13/86	3	DRY					
6486	04/29/87	1	5 ± 14	-8 ± 2	1 7 ± 1 0	13 ± 60	2 1 ± 1 0	NR
6486	05/28/87	2	***					
6486	07/16/87	3	***					
6486	10/12/87	4	DRY					
6486	02/17/88	1	See dissolved radiochemistry					
6486	04/11/88	2	See dissolved radiochemistry					
6486	07/13/88	3	DRY					
6486	10/21/88	4	DRY					
6486	01/18/89	1	DRY					
6486	04/24/89	2	***					
6486	05/31/89	2	***					
6486	07/10/89	3	See dissolved radiochemistry					
6486	07/24/89	3	DRY					
6486	10/16/89	4	DRY					
6486	02/08/90		DRY					
6886	09/22/86	3	20 ± 11	27 ± 9	2 4 ± 0 4	NR	2 2 ± 0 4	NR
6886	04/29/87	1	26 ± 14	42 ± 12	4 2 ± 2 1	45 ± 73	5 2 ± 2 2	4 59
6886	05/28/87	2	24 ± 33	33 ± 2	0 12 ± 0 66	0 0 ± 0 33	0 34 ± 0 48	<1 0
6886	07/15/87	3	See dissolved radiochemistry					
6886	10/12/87	4	DRY					
6886	02/15/88	1	DRY					
6886	04/07/88	2	See dissolved radiochemistry					
6886	07/13/88	3	DRY					
6886	10/21/88	4	DRY					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
5886	09/13/86	3	DRY					
5886	07/14/87	3	DRY					
5886	10/12/87	4	DRY					
5886	02/15/88	1	DRY					
5886	04/07/88	2	DRY					
5886	07/13/88	3	DRY					
5886	10/21/88	4	DRY					
5886	01/18/89	1	DRY					
5886	04/14/89	2	DRY					
5886	07/31/89		DRY					
5886	11/28/89	4	DRY					
5886	01/16/90	1	DRY					
6486	09/13/86	3	DRY					
6486	04/29/87	1	0 2 ± 1 1	0 0 ± 1 0	NR	<110	NR	NR
6486	05/28/87	2	***					
6486	07/16/87	3	***					
6486	10/12/87	4	DRY					
6486	02/17/88	1	See dissolved radiochemistry					
6486	04/11/88	2	See dissolved radiochemistry					
6486	07/13/88	3	DRY					
6486	10/21/88	4	DRY					
6486	01/18/89	1	DRY					
6486	04/24/89	2	***					
6486	05/31/89	2	***					
6486	07/10/89	3	See dissolved radiochemistry					
6486	07/24/89	3	DRY					
6486	10/16/89	4	DRY					
6486	02/08/90		DRY					
6886	09/22/86	3	-0 02 ± 0 08	0 00 ± 0 03	NR	0 02 ± 0 21 L	NR	NR
6886	04/29/87	1	0 0 ± 85	2 3 ± 2 9	NR	<110	NR	NR
6886	05/28/87	2	0 0 ± 0 64	0 0 ± 1 2	NR	<110	NR	NR
6886	07/15/87	3	See dissolved radiochemistry					
6886	10/12/87	4	DRY					
6886	02/15/88	1	DRY					
6886	04/07/88	2	See dissolved radiochemistry					
6886	07/13/88	3	DRY					
6886	10/21/88	4	DRY					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
5886	09/13/86	3	DRY		
5886	07/14/87	3	DRY		
5886	10/12/87	4	DRY		
5886	02/15/88	1	DRY		
5886	04/07/88	2	DRY		
5886	07/13/88	3	DRY		
5886	10/21/88	4	DRY		
5886	01/18/89	1	DRY		
5886	04/14/89	2	DRY		
5886	07/31/89		DRY		
5886	11/28/89	4	DRY		
5886	01/16/90	1	DRY		
6486	09/13/86	3	DRY		
6486	04/29/87	1	3 930	NR	NR
6486	05/28/87	2	***		
6486	07/16/87	3	***		
6486	10/12/87	4	DRY		
6486	02/17/88	1	See dissolved radiochemistry		
6486	04/11/88	2	See dissolved radiochemistry		
6486	07/13/88	3	DRY		
6486	10/21/88	4	DRY		
6486	01/18/89	1	DRY		
6486	04/24/89	2	***		
6486	05/31/89	2	***		
6486	07/10/89	3	See dissolved radiochemistry		
6486	07/24/89	3	DRY		
6486	10/16/89	4	DRY		
6486	02/08/90		DRY		
6886	09/22/86	3	4 600	NR	NR
6886	04/29/87	1	9 850	NR	NR
6886	05/28/87	2	0 460	NR	NR
6886	07/15/87	3	See dissolved radiochemistry		
6886	10/12/87	4	DRY		
6886	02/15/88	1	DRY		
6886	04/07/88	2	See dissolved radiochemistry		
6886	07/13/88	3	DRY		
6886	10/21/88	4	DRY		

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89 90 pCi/l
6886	01/18/89	1	DRY					
6886	04/14/89	2	DRY					
6886	07/31/89		DRY					
6886	11/20/89	4	See dissolved radiochemistry					
6886	11/20/89	4	See dissolved radiochemistry					
6886	02/13/90		See dissolved radiochemistry					
5587	11/30/87	4	***					
5587	11/30/87	4	***					
5587	02/15/88	1	DRY					
5587	04/11/88	2	DRY					
5587	07/13/88	3	DRY					
5587	10/21/88	4	DRY					
5587	01/18/89	1	DRY					
5587	04/14/89	2	DRY					
5587	06/02/89	2	***					
5587	07/10/89	3	***					
5587	07/24/89	3	DRY					
5587	10/16/89	4	DRY					
5587	01/16/90	1	DRY					

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
6886	01/18/89	1	DRY					
6886	04/14/89	2	DRY					
6886	07/31/89		DRY					
6886	11/20/89	4	See dissolved radiochemistry					
6886	11/20/89	4	See dissolved radiochemistry					
6886	02/13/90		See dissolved radiochemistry					
5587	11/30/87	4	***					
5587	11/30/87	4	***					
5587	02/15/88	1	DRY					
5587	04/11/88	2	DRY					
5587	07/13/88	3	DRY					
5587	10/21/88	4	DRY					
5587	01/18/89	1	DRY					
5587	04/14/89	2	DRY					
5587	06/02/89	2	***					
5587	07/10/89	3	***					
5587	07/24/89	3	DRY					
5587	10/16/89	4	DRY					
5587	01/16/90	1	DRY					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE VALLEY FILL ALLUVIUM

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
6886	01/18/89	1	DRY		
6886	04/14/89	2	DRY		
6886	07/31/89		DRY		
6886	11/20/89	4	See dissolved radiochemistry		
6886	11/20/89	4	See dissolved radiochemistry		
6886	02/13/90		See dissolved radiochemistry		
5587	11/30/87	4	***		
5587	11/30/87	4	***		
5587	02/15/88	1	DRY		
5587	04/11/88	2	DRY		
5587	07/13/88	3	DRY		
5587	10/21/88	4	DRY		
5587	01/18/89	1	DRY		
5587	04/14/89	2	DRY		
5587	06/02/89	2	***		
5587	07/10/89	3	***		
5587	07/24/89	3	DRY		
5587	10/16/89	4	DRY		
5587	01/16/90	1	DRY		

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, QA = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89,90 pCi/l
0974	08/29/86	3	28 ± 16	28 ± 11	11 ± 2	NR	8 2 ± 1 4	NR
0974	03/09/87	1	100 ± 27	121 ± 21	6 0 ± 1 3	0 26 ± 0 44	5 0 ± 1 1	<0 6
0974	04/09/87	1	28 ± 26	-3 ± 8	6 3 ± 2 3	52 ± 73	2 9 ± 2 1	65
0974	05/21/87	2	21 ± 10	35 ± 14	8 4 ± 1 4	0 08 ± 0 33	7 7 ± 1 3	1 74
0974	07/02/87	3	See dissolved radiochemistry					
0974	08/11/87	3	DRY					
0974	10/20/87	4	See dissolved radiochemistry					
0974	10/28/87	4	***					
0974	11/17/87	4	***					
0974	02/25/88	1	See dissolved radiochemistry					
0974	04/14/88	2	See dissolved radiochemistry					
0974	04/15/88	2	See dissolved radiochemistry					
0974	07/20/88	3	See dissolved radiochemistry					
0974	10/25/88	4	See dissolved radiochemistry					
0974	01/25/89	1	See dissolved radiochemistry					
0974	04/24/89	2	See dissolved radiochemistry					
0974	05/15/89	2	***					
0974	05/15/89	2	***					
0974	05/16/89	2	***					
0974	05/16/89	2	See dissolved radiochemistry					
0974	07/26/89		DRY					
0974	08/22/89	3	See dissolved radiochemistry					
0974	08/22/89	3	See dissolved radiochemistry					
0974	10/26/89	4	See dissolved radiochemistry					
0974	10/27/89	4	See dissolved radiochemistry					
0974	02/06/90		See dissolved radiochemistry					
0974	02/13/90		Data not yet received					
8301889	05/11/89	2	DRY					
8301889	07/21/89	3	DRY					
8301889	10/05/89	3	DRY					
8301889	01/16/90	1	DRY					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0974	08/29/86	3	-0 02 ± 0 07	0 01 ± 0 08	NR	0 11 ± 0 22 L	NR	NR
0974	03/09/87	1	0 28 ± 0 59	NR	NR	<110	NR	NR
0974	04/09/87	1	0 0 ± 1 1	0 0 ± 3 5	NR	<110	NR	NR
0974	05/21/87	2	19 ± 75	0 0 ± 1 2	NR	<110	NR	NR
0974	07/02/87	3	See dissolved radiochemistry					
0974	08/11/87	3	DRY					
0974	10/20/87	4	See dissolved radiochemistry					
0974	10/28/87	4	***					
0974	11/17/87	4	***					
0974	02/25/88	1	See dissolved radiochemistry					
0974	04/14/88	2	See dissolved radiochemistry					
0974	04/15/88	2	See dissolved radiochemistry					
0974	07/20/88	3	See dissolved radiochemistry					
0974	10/25/88	4	See dissolved radiochemistry					
0974	01/25/89	1	See dissolved radiochemistry					
0974	04/24/89	2	See dissolved radiochemistry					
0974	05/15/89	2	***					
0974	05/15/89	2	***					
0974	05/16/89	2	***					
0974	05/16/89	2	See dissolved radiochemistry					
0974	07/26/89		DRY					
0974	08/22/89	3	See dissolved radiochemistry					
0974	08/22/89	3	See dissolved radiochemistry					
0974	10/26/89	4	See dissolved radiochemistry					
0974	10/27/89	4	See dissolved radiochemistry					
0974	02/06/90		See dissolved radiochemistry					
0974	02/13/90		Data not yet received					
B301889	05/11/89	2	DRY					
B301889	07/21/89	3	DRY					
B301889	10/05/89	3	DRY					
B301889	01/16/90	1	DRY					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED CLAYSTONE

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
0974	08/29/86	3	19 200	NR	NR
0974	03/09/87	1	11 260	NR	NR
0974	04/09/87	1	9 720	NR	NR
0974	05/21/87	2	16 180	NR	NR
0974	07/02/87	3	See dissolved radiochemistry		
0974	08/11/87	3	DRY		
0974	10/20/87	4	See dissolved radiochemistry		
0974	10/28/87	4	***		
0974	11/17/87	4	***		
0974	02/25/88	1	See dissolved radiochemistry		
0974	04/14/88	2	See dissolved radiochemistry		
0974	04/15/88	2	See dissolved radiochemistry		
0974	07/20/88	3	See dissolved radiochemistry		
0974	10/25/88	4	See dissolved radiochemistry		
0974	01/25/89	1	See dissolved radiochemistry		
0974	04/24/89	2	See dissolved radiochemistry		
0974	05/15/89	2	***		
0974	05/15/89	2	***		
0974	05/16/89	2	***		
0974	05/16/89	2	See dissolved radiochemistry		
0974	07/26/89		DRY		
0974	08/22/89	3	See dissolved radiochemistry		
0974	08/22/89	3	See dissolved radiochemistry		
0974	10/26/89	4	See dissolved radiochemistry		
0974	10/27/89	4	See dissolved radiochemistry		
0974	02/06/90		See dissolved radiochemistry		
0974	02/13/90		Data not yet received		
8301889	05/11/89	2	DRY		
8301889	07/21/89	3	DRY		
8301889	10/05/89	3	DRY		
8301889	01/16/90	1	DRY		

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89 90 pCi/l
5986	10/08/86	4	***					
5986	04/09/87	1	33 ± 7	37 ± 13	11 ± 3	0 5 ± 1 3	5 3 ± 2 9	<0 6
5986	04/30/87	1	45 ± 17	58 ± 14	15 ± 2	74 ± 64	11 ± 2	2 41
5986	05/26/87	2	27 ± 27	54 ± 12	15 ± 2	0 0 ± 0 36	10 ± 2	1 53
5986	07/06/87	3	See dissolved radiochemistry					
5986	10/07/87	4	See dissolved radiochemistry					
5986	10/08/87	4	See dissolved radiochemistry					
5986	02/15/88	1	***					
5986	10/18/88	4	***					
5986	01/18/89	1	***					
5986	04/17/89	2	***					
5986	07/31/89	3	See dissolved radiochemistry					
6286	10/16/86	4	***					
6286	04/09/87	1	36 ± 27	3 ± 9	0 9 ± 1 6	11 ± 65	1 8 ± 1 6	<0 6
6286	04/29/87	1	30 ± 12	8 ± 37	4 9 ± 1 3	75 ± 54	3 6 ± 1 1	44
6286	05/26/87	2	14 ± 3	35 ± 13	3 4 ± 1 2	0 1 ± 0 35	2 8 ± 1 0	<1 0
6286	07/06/87	3	See dissolved radiochemistry					
6286	10/14/87	4	See dissolved radiochemistry					
6286	02/17/88	1	See dissolved radiochemistry					
6286	04/13/88	2	See dissolved radiochemistry					
6286	07/14/88	3	See dissolved radiochemistry					
6286	10/20/88	4	See dissolved radiochemistry					
6286	11/14/88	4	***					
6286	01/23/89	1	See dissolved radiochemistry					
6286	04/19/89	2	See dissolved radiochemistry					
6286	06/10/89	2	See dissolved radiochemistry					
6286	07/19/89	3	***					
6286	07/20/89	3	See dissolved radiochemistry					
6286	07/27/89	3	See dissolved radiochemistry					
6286	10/19/89	4	Data not yet received					
6286	02/16/90		See dissolved radiochemistry					
0587BR	06/11/87	2	***					
0587BR	06/12/87	2	64 ± 9	80 ± 41	14 ± 3	58 ± 66	9 1 ± 2 2	3 4
0587BR	07/06/87	3	See dissolved radiochemistry					
0587BR	10/12/87	4	See dissolved radiochemistry					
0587BR	10/12/87	4	***					
0587BR	02/22/88	1	See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
5986	10/08/86	4	***					
5986	04/09/87	1	0 0 ± 84	0 0 ± 1 6	NR	450	NR	NR
5986	04/30/87	1	0 9 ± 1 1	0 0 ± 1 3	NR	<110	NR	NR
5986	05/26/87	2	0 0 ± 0 64	0 0 ± 1 3	NR	210	NR	NR
5986	07/06/87	3	See dissolved radiochemistry					
5986	10/07/87	4	See dissolved radiochemistry					
5986	10/08/87	4	See dissolved radiochemistry					
5986	02/15/88	1	***					
5986	10/18/88	4	***					
5986	01/18/89	1	***					
5986	04/17/89	2	***					
5986	07/31/89	3	See dissolved radiochemistry					
6286	10/16/86	4	***					
6286	04/09/87	1	0 0 ± 1 1	0 0 ± 1 3	NR	<110	NR	NR
6286	04/29/87	1	0 0 ± 1 3	0 0 ± 1 4	NR	<110	NR	NR
6286	05/26/87	2	0 04 ± 0 76	0 0 ± 1 2	NR	<110	NR	NR
6286	07/06/87	3	See dissolved radiochemistry					
6286	10/14/87	4	See dissolved radiochemistry					
6286	02/17/88	1	See dissolved radiochemistry					
6286	04/13/88	2	See dissolved radiochemistry					
6286	07/14/88	3	See dissolved radiochemistry					
6286	10/20/88	4	See dissolved radiochemistry					
6286	11/14/88	4	***					
6286	01/23/89	1	See dissolved radiochemistry					
6286	04/19/89	2	See dissolved radiochemistry					
6286	06/10/89	2	See dissolved radiochemistry					
6286	07/19/89	3	***					
6286	07/20/89	3	See dissolved radiochemistry					
6286	07/27/89	3	See dissolved radiochemistry					
6286	10/19/89	4	Data not yet received					
6286	02/16/90		See dissolved radiochemistry					
0587BR	06/11/87	2	***					
0587BR	06/12/87	2	0 0 ± 55	0 0 ± 3 0	2 0	<110	NR	NR
0587BR	07/06/87	3	See dissolved radiochemistry					
0587BR	10/12/87	4	See dissolved radiochemistry					
0587BR	10/12/87	4	***					
0587BR	02/22/88	1	See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
5986	10/08/86	4	***		
5986	04/09/87	1	16 800	NR	NR
5986	04/30/87	1	26 740	NR	NR
5986	05/26/87	2	25 000	NR	NR
5986	07/06/87	3	See dissolved radiochemistry		
5986	10/07/87	4	See dissolved radiochemistry		
5986	10/08/87	4	See dissolved radiochemistry		
5986	02/15/88	1	***		
5986	10/18/88	4	***		
5986	01/18/89	1	***		
5986	04/17/89	2	***		
5986	07/31/89	3	See dissolved radiochemistry		
6286	10/16/86	4	***		
6286	04/09/87	1	2 810	NR	NR
6286	04/29/87	1	9 250	NR	NR
6286	05/26/87	2	6 300	NR	NR
6286	07/06/87	3	See dissolved radiochemistry		
6286	10/14/87	4	See dissolved radiochemistry		
6286	02/17/88	1	See dissolved radiochemistry		
6286	04/13/88	2	See dissolved radiochemistry		
6286	07/14/88	3	See dissolved radiochemistry		
6286	10/20/88	4	See dissolved radiochemistry		
6286	11/14/88	4	***		
6286	01/23/89	1	See dissolved radiochemistry		
6286	04/19/89	2	See dissolved radiochemistry		
6286	06/10/89	2	See dissolved radiochemistry		
6286	07/19/89	3	***		
6286	07/20/89	3	See dissolved radiochemistry		
6286	07/27/89	3	See dissolved radiochemistry		
6286	10/19/89	4	Data not yet received		
6286	02/16/90		See dissolved radiochemistry		
0587BR	06/11/87	2	***		
0587BR	06/12/87	2	23 680	NR	NR
0587BR	07/06/87	3	See dissolved radiochemistry		
0587BR	10/12/87	4	See dissolved radiochemistry		
0587BR	10/12/87	4	***		
0587BR	02/22/88	1	See dissolved radiochemistry		

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected, A = Acceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89 90 pCi/l
0587BR	04/11/88	2	See dissolved radiochemistry					
0587BR	07/19/88	3	See dissolved radiochemistry					
0587BR	10/20/88	4	See dissolved radiochemistry					
0587BR	11/14/88	4	***					
0587BR	01/16/89	1	See dissolved radiochemistry					
0587BR	04/12/89	2	***					
0587BR	04/12/89	2	See dissolved radiochemistry					
0587BR	06/12/89	2	***					
0587BR	06/12/89	2	See dissolved radiochemistry					
0587BR	07/26/89	3	See dissolved radiochemistry					
0587BR	07/27/89	3	See dissolved radiochemistry					
0587BR	08/11/89	3	See dissolved radiochemistry					
0587BR	10/31/89	4	See dissolved radiochemistry					
0587BR	02/14/90		See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0587BR	04/11/88	2	See dissolved radiochemistry					
0587BR	07/19/88	3	See dissolved radiochemistry					
0587BR	10/20/88	4	See dissolved radiochemistry					
0587BR	11/14/88	4	***					
0587BR	01/16/89	1	See dissolved radiochemistry					
0587BR	04/12/89	2	***					
0587BR	04/12/89	2	See dissolved radiochemistry					
0587BR	06/12/89	2	***					
0587BR	06/12/89	2	See dissolved radiochemistry					
0587BR	07/26/89	3	See dissolved radiochemistry					
0587BR	07/27/89	3	See dissolved radiochemistry					
0587BR	08/11/89	3	See dissolved radiochemistry					
0587BR	10/31/89	4	See dissolved radiochemistry					
0587BR	02/14/90		See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE WEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
0587BR	04/11/88	2	See dissolved radiochemistry		
0587BR	07/19/88	3	See dissolved radiochemistry		
0587BR	10/20/88	4	See dissolved radiochemistry		
0587BR	11/14/88	4	***		
0587BR	01/16/89	1	See dissolved radiochemistry		
0587BR	04/12/89	2	***		
0587BR	04/12/89	2	See dissolved radiochemistry		
0587BR	06/12/89	2	***		
0587BR	06/12/89	2	See dissolved radiochemistry		
0587BR	07/26/89	3	See dissolved radiochemistry		
0587BR	07/27/89	3	See dissolved radiochemistry		
0587BR	08/11/89	3	See dissolved radiochemistry		
0587BR	10/31/89	4	See dissolved radiochemistry		
0587BR	02/14/90		See dissolved radiochemistry		

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected, @ = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89,90 pCi/l
0387BR	06/16/87	2	811 ± 76	177 ± 60	11 ± 2	18 ± 47	11 ± 2	1 4
0387BR	06/16/87	2	***					
0387BR	07/09/87	3	See dissolved radiochemistry					
0387BR	10/05/87	4	See dissolved radiochemistry					
0387BR	10/05/87	4	***					
0387BR	02/22/88	1	See dissolved radiochemistry					
0387BR	04/27/88	2	See dissolved radiochemistry					
0387BR	07/21/88	3	See dissolved radiochemistry					
0387BR	10/25/88	4	See dissolved radiochemistry					
0387BR	01/23/89	1	See dissolved radiochemistry					
0387BR	04/17/89	2	See dissolved radiochemistry					
0387BR	06/12/89	2	See dissolved radiochemistry					
0387BR	07/19/89	3	See dissolved radiochemistry					
0387BR	08/08/89	3	See dissolved radiochemistry					
0387BR	10/31/89	4	See dissolved radiochemistry					
0387BR	02/16/90		See dissolved radiochemistry					
4587BR	11/23/87	4	See dissolved radiochemistry					
4587BR	11/23/87	4	***					
4587BR	02/25/88	1	See dissolved radiochemistry					
4587BR	04/18/88	2	See dissolved radiochemistry					
4587BR	07/21/88	3	See dissolved radiochemistry					
4587BR	10/17/88	4	See dissolved radiochemistry					
4587BR	01/23/89	1	See dissolved radiochemistry					
4587BR	04/19/89	2	See dissolved radiochemistry					
4587BR	06/13/89	2	See dissolved radiochemistry					
4587BR	07/26/89	3	***					
4587BR	07/27/89	3	See dissolved radiochemistry					
4587BR	08/17/89	3	See dissolved radiochemistry					
4587BR	10/20/89	4	See dissolved radiochemistry					
4587BR	10/20/89	4	See dissolved radiochemistry					
4587BR	03/15/90		See dissolved radiochemistry					
0887BR	06/13/87	2	***					
0887BR	06/15/87	2	87 ± 86	117 ± 4	4 2 ± 1 6	40 ± 54	6 7 ± 1 5	1 6
0887BR	07/09/87	3	See dissolved radiochemistry					
0887BR	10/07/87	4	***					
0887BR	02/22/88	1	See dissolved radiochemistry					
0887BR	04/27/88	2	See dissolved radiochemistry					

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0387BR	06/16/87	2	0 2 ± 1 1	0 0 ± 0 1	2 2	<110	NR	NR
0387BR	06/16/87	2	***					
0387BR	07/09/87	3	See dissolved radiochemistry					
0387BR	10/05/87	4	See dissolved radiochemistry					
0387BR	10/05/87	4	***					
0387BR	02/22/88	1	See dissolved radiochemistry					
0387BR	04/27/88	2	See dissolved radiochemistry					
0387BR	07/21/88	3	See dissolved radiochemistry					
0387BR	10/25/88	4	See dissolved radiochemistry					
0387BR	01/23/89	1	See dissolved radiochemistry					
0387BR	04/17/89	2	See dissolved radiochemistry					
0387BR	06/12/89	2	See dissolved radiochemistry					
0387BR	07/19/89	3	See dissolved radiochemistry					
0387BR	08/08/89	3	See dissolved radiochemistry					
0387BR	10/31/89	4	See dissolved radiochemistry					
0387BR	02/16/90		See dissolved radiochemistry					
4587BR	11/23/87	4	See dissolved radiochemistry					
4587BR	11/23/87	4	***					
4587BR	02/25/88	1	See dissolved radiochemistry					
4587BR	04/18/88	2	See dissolved radiochemistry					
4587BR	07/21/88	3	See dissolved radiochemistry					
4587BR	10/17/88	4	See dissolved radiochemistry					
4587BR	01/23/89	1	See dissolved radiochemistry					
4587BR	04/19/89	2	See dissolved radiochemistry					
4587BR	06/13/89	2	See dissolved radiochemistry					
4587BR	07/26/89	3	***					
4587BR	07/27/89	3	See dissolved radiochemistry					
4587BR	08/17/89	3	See dissolved radiochemistry					
4587BR	10/20/89	4	See dissolved radiochemistry					
4587BR	10/20/89	4	See dissolved radiochemistry					
4587BR	03/15/90		See dissolved radiochemistry					
0887BR	06/13/87	2	***					
0887BR	06/15/87	2	1 7 ± 1 9	0 0 ± 1 5	0 3	<110	NR	NR
0887BR	07/09/87	3	See dissolved radiochemistry					
0887BR	10/07/87	4	***					
0887BR	02/22/88	1	See dissolved radiochemistry					
0887BR	04/27/88	2	See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
0387BR	06/16/87	2	22 180	NR	NR
0387BR	06/16/87	2	***		
0387BR	07/09/87	3	See dissolved radiochemistry		
0387BR	10/05/87	4	See dissolved radiochemistry		
0387BR	10/05/87	4	***		
0387BR	02/22/88	1	See dissolved radiochemistry		
0387BR	04/27/88	2	See dissolved radiochemistry		
0387BR	07/21/88	3	See dissolved radiochemistry		
0387BR	10/25/88	4	See dissolved radiochemistry		
0387BR	01/23/89	1	See dissolved radiochemistry		
0387BR	04/17/89	2	See dissolved radiochemistry		
0387BR	06/12/89	2	See dissolved radiochemistry		
0387BR	07/19/89	3	See dissolved radiochemistry		
0387BR	08/08/89	3	See dissolved radiochemistry		
0387BR	10/31/89	4	See dissolved radiochemistry		
0387BR	02/16/90		See dissolved radiochemistry		
4587BR	11/23/87	4	See dissolved radiochemistry		
4587BR	11/23/87	4	***		
4587BR	02/25/88	1	See dissolved radiochemistry		
4587BR	04/18/88	2	See dissolved radiochemistry		
4587BR	07/21/88	3	See dissolved radiochemistry		
4587BR	10/17/88	4	See dissolved radiochemistry		
4587BR	01/23/89	1	See dissolved radiochemistry		
4587BR	04/19/89	2	See dissolved radiochemistry		
4587BR	06/13/89	2	See dissolved radiochemistry		
4587BR	07/26/89	3	***		
4587BR	07/27/89	3	See dissolved radiochemistry		
4587BR	08/17/89	3	See dissolved radiochemistry		
4587BR	10/20/89	4	See dissolved radiochemistry		
4587BR	10/20/89	4	See dissolved radiochemistry		
4587BR	03/15/90		See dissolved radiochemistry		
0887BR	06/13/87	2	***		
0887BR	06/15/87	2	9 300	NR	NR
0887BR	07/09/87	3	See dissolved radiochemistry		
0887BR	10/07/87	4	***		
0887BR	02/22/88	1	See dissolved radiochemistry		
0887BR	04/27/88	2	See dissolved radiochemistry		

VALUE QUALIFIERS: NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications, V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Gross Alpha pCi/l	Gross Beta pCi/l	Uranium 233 234 pCi/l	Uranium 235 pCi/l	Uranium 238 pCi/l	Strontium 89 90 pCi/l
0887BR	05/09/88	2	***					
0887BR	07/21/88	3	See dissolved radiochemistry					
0887BR	10/25/88	4	See dissolved radiochemistry					
0887BR	01/23/89	1	See dissolved radiochemistry					
0887BR	04/17/89	2	See dissolved radiochemistry					
0887BR	06/12/89	2	See dissolved radiochemistry					
0887BR	07/31/89	3	See dissolved radiochemistry					
0887BR	08/10/89	3	See dissolved radiochemistry					
0887BR	10/31/89	4	See dissolved radiochemistry					
0887BR	02/15/90		See dissolved radiochemistry					

VALUE QUALIFIERS: NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected, Ø = Acceptable with quØlificationØ; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Plutonium 239 pCi/l	Americium 241 pCi/l	Cesium 137 pCi/l	Tritium pCi/l	Radium 226 pCi/l	Radium 228 pCi/l
0887BR	05/09/88	2	***					
0887BR	07/21/88	3	See dissolved radiochemistry					
0887BR	10/25/88	4	See dissolved radiochemistry					
0887BR	01/23/89	1	See dissolved radiochemistry					
0887BR	04/17/89	2	See dissolved radiochemistry					
0887BR	06/12/89	2	See dissolved radiochemistry					
0887BR	07/31/89	3	See dissolved radiochemistry					
0887BR	08/10/89	3	See dissolved radiochemistry					
0887BR	10/31/89	4	See dissolved radiochemistry					
0887BR	02/15/90		See dissolved radiochemistry					

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Total Radiochemistry Ground-Water Sampling Results

881-HILLSIDE UNWEATHERED SANDSTONE

Well Number	Date Sampled	Qtr	Total Uranium pCi/l	Thorium 231 pCi/l	Thorium 232 pCi/l
0887BR	05/09/88	2	***		
0887BR	07/21/88	3	See dissolved radiochemistry		
0887BR	10/25/88	4	See dissolved radiochemistry		
0887BR	01/23/89	1	See dissolved radiochemistry		
0887BR	04/17/89	2	See dissolved radiochemistry		
0887BR	06/12/89	2	See dissolved radiochemistry		
0887BR	07/31/89	3	See dissolved radiochemistry		
0887BR	08/10/89	3	See dissolved radiochemistry		
0887BR	10/31/89	4	See dissolved radiochemistry		
0887BR	02/15/90		See dissolved radiochemistry		

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; Q = Acceptable with qualifications, V = Valid

APPENDIX C

OPERABLE UNIT NO. 1 SURFACE WATER SAMPLING RESULTS

APPENDIX C-1

VOLATILE ORGANIC COMPOUNDS

Volatile Organic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1 1-Di-chloro ethene ug/l	1 1-Di-chloro ethane ug/l
SW-031	08/20/86	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-031	05/26/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-031	05/26/87	NR	NR	NR	NR	NR	NR	NR	4 U	NR
SW-031	06/28/88	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-031	03/30/89	10 U V	10 U V	10 U V	10 U V	4 JB A	10 U V	5 U V	5 U V	5 U V
SW-031	05/17/89	10 U V	10 U V	10 U V	10 U V	7 V	10 U R	5 U V	5 U V	5 U V
SW-031	06/27/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-031	07/21/89	10 U V	10 U V	10 U V	10 U V	31 B A	3 JB A	5 U V	5 U V	5 U V
SW-031	08/22/89	10 U V	10 U V	10 U V	10 U R	8 B A	7 JB A	5 U R	5 U V	5 U V
SW-031	09/26/89	10 U A	10 U A	10 U A	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
SW-031	10/24/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U R	5 U V	5 U V	5 U V
SW-031	11/17/89	10 U V	10 U V	10 U V	10 U V	2 JB A	10 U V	5 U V	5 U V	5 U V
SW-031	12/14/89	10 U R	10 U R	10 U R	10 U R	5 B R	22 B R	5 U R	5 U R	5 U R
SW-031	01/11/90	10 U R	10 U V	10 U V	10 U V	2 JB A	8 JB A	5 U V	5 U V	5 U V
SW-031	02/20/90	Data not yet received								
SW-031	03/14/90	10 U	10 U	10 U	10 U	2 J	10 U	5 U	5 U	5 U
SW-032	08/20/86	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-032	05/26/87	NR	NR	NR	NR	NR	NR	NR	4 U	NR
SW-032	07/30/87	NR	NR	NR	NR	NR	NR	NR	5 U	NR
SW-032	11/11/87	10 U	10 U	10 U	10 U	20	10 U	5 U	5 U	5 U
SW-032	06/21/88	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-032	06/21/88	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-032	04/05/89	10 U V	10 U V	10 U V	10 U V	5 U V	3 JB A	5 U V	5 U V	5 U V
SW-032	05/24/89	Data not yet received								
SW-032	06/21/89	10 U V	10 U V	10 U V	10 U V	4 JB A	4 JB A	5 U V	5 U V	5 U V
SW-032	07/19/89	10 U V	10 U V	10 U V	10 U V	1 J V	4 JB R	5 U V	5 U V	5 U V
SW-032	08/04/89	Data not yet received								
SW-032	09/19/89	10 U A	10 U A	10 U A	10 U A	5 U A	4 JB A	5 U A	5 U A	5 U A
SW-032	10/13/89	10 U V	10 U V	10 U V	10 U V	4 JB A	10 U V	5 U V	5 U V	5 U V
SW-032	11/13/89	10 U V	10 U V	10 U V	10 U V	9 B A	10 U V	5 U V	5 U V	5 U V
SW-032	12/15/89	10 U V	10 U V	10 U V	10 U V	19 B A	10 U V	5 U V	5 U V	5 U V
SW-032	01/16/90	10 U V	10 U V	10 U V	10 U V	9 V	10 U R	5 U V	5 U V	5 U V
SW-032	02/20/90	Data not yet received								
SW-032	03/23/90	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-033	08/21/86	DRY								
SW-033	07/01/88	10 U	10 U	10 U	10 U	5 0 U	10 U	5 0 U	5 0 U	5 0 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Total-1 2-Dichloro ethene ug/l	Chloroform ug/l	1 2-Di-chloro ethane ug/l	2-Butanone ug/l	1 1 1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1 2-Di-chloro propane ug/l
SW-031	08/20/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-031	05/26/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-031	05/26/87	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
SW-031	06/28/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-031	03/30/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-031	05/17/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-031	06/27/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-031	07/21/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-031	08/22/89	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
SW-031	09/26/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-031	10/24/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-031	11/17/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-031	12/14/89	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
SW-031	01/11/90	5 U V	5 U V	5 U V	4 JB A	5 U V	5 U V	10 U V	5 U V	5 U V
SW-031	02/20/90	Data not yet received								
SW-031	03/14/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-032	08/20/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-032	05/26/87	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
SW-032	07/30/87	5 U	5 U	5 U	NR	5 U	5 U	NR	NR	NR
SW-032	11/11/87	5 U	5 U	5 U	10 U	5 U	6	10 U	5 U	5 U
SW-032	06/21/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-032	06/21/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-032	04/05/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-032	05/24/89	Data not yet received								
SW-032	06/21/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	1 J V	5 U V	5 U V
SW-032	07/19/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-032	08/04/89	Data not yet received								
SW-032	09/19/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-032	10/13/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-032	11/13/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-032	12/15/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-032	01/16/90	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-032	02/20/90	Data not yet received								
SW-032	03/23/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-033	08/21/86	DRY								
SW-033	07/01/88	NR	5 0 U	5 0 U	10 U	5 0 U	5 0 U	10 U	5 0 U	5 0 U

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Station Number	Date Sampled	Cis-1 3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1 1 2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1 3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-pentanone ug/l	2-Hexanone ug/l
SW-031	08/20/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-031	05/26/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-031	05/26/87	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
SW-031	06/28/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-031	03/30/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-031	05/17/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-031	06/27/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U R
SW-031	07/21/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-031	08/22/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U R	5 U V	10 U R	10 U R
SW-031	09/26/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U R	10 U A
SW-031	10/24/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-031	11/17/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-031	12/14/89	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
SW-031	01/11/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-031	02/20/90	Data not yet received								
SW-031	03/14/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-032	08/20/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-032	05/26/87	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
SW-032	07/30/87	NR	5 U	NR	5 U	NR	NR	NR	NR	NR
SW-032	11/11/87	5 U	26	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-032	06/21/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-032	06/21/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-032	04/05/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U R	10 U V	10 U V
SW-032	05/24/89	Data not yet received								
SW-032	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-032	07/19/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-032	08/04/89	Data not yet received								
SW-032	09/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-032	10/13/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-032	11/13/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-032	12/15/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-032	01/16/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-032	02/20/90	Data not yet received								
SW-032	03/23/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-033	08/21/86	DRY								
SW-033	07/01/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	10 U	10 U

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Station Number	Date Sampled	Tetra chloro ethene ug/l	1 1 2 2- Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-031	08/20/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-031	05/26/87	5 U	NR	NR	NR	NR	NR	NR
SW-031	05/26/87	4 U	NR	NR	NR	NR	NR	NR
SW-031	06/28/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-031	03/30/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-031	05/17/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-031	06/27/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-031	07/21/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-031	08/22/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-031	09/26/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-031	10/24/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-031	11/17/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-031	12/14/89	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
SW-031	01/11/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-031	02/20/90	Data not yet received						
SW-031	03/14/90	1 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-032	08/20/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-032	05/26/87	4 U	NR	NR	NR	NR	NR	NR
SW-032	07/30/87	5 U	NR	NR	NR	NR	NR	NR
SW-032	11/11/87	5 U	5 U	12	5 U	5 U	5 U	5 U
SW-032	06/21/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-032	06/21/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-032	04/05/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-032	05/24/89	Data not yet received						
SW-032	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-032	07/19/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-032	08/04/89	Data not yet received						
SW-032	09/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-032	10/13/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-032	11/13/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-032	12/15/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-032	01/16/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-032	02/20/90	Data not yet received						
SW-032	03/23/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-033	08/21/86	DRY						
SW-033	07/01/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U

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Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1 1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-033	04/04/89	10 U A	10 U A	10 U A	10 U A	5 U A	5 JB A	5 U A	5 U A	5 U A
SW-033	05/24/89	Data not yet received								
SW-033	06/21/89	10 U V	10 U V	10 U V	10 U V	7 B A	10 U V	5 U V	5 U V	5 U V
SW-033	07/19/89	DRY								
SW-033	08/04/89	DRY								
SW-033	09/19/89	10 U A	10 U A	10 U A	10 U A	1 JB A	10 U A	5 U A	5 U A	5 U A
SW-033	10/13/89	10 U V	10 U V	10 U V	10 U V	4 JB A	10 U V	5 U V	5 U V	5 U V
SW-033	11/13/89	10 U V	10 U V	10 U V	10 U V	6 B A	10 U V	5 U V	5 U V	5 U V
SW-033	11/13/89	10 U V	10 U V	10 U V	10 U V	8 B A	10 U V	5 U V	5 U V	5 U V
SW-033	12/15/89	10 U V	10 U V	10 U V	10 U V	2 JB A	10 U V	5 U V	5 U V	5 U V
SW-033	01/16/90	10 U V	10 U V	10 U V	10 U V	5 U V	10 U R	5 U V	5 U V	5 U V
SW-033	02/20/90	Data not yet received								
SW-033	03/23/90	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-034	08/20/86	10 U	10 U	10 U	10 U	5 U	7 BJ	5 U	5 U	5 U
SW-034	07/01/88	10 U	10 U	10 U	10 U	5 0 U	10 U	5 0 U	5 0 U	5 0 U
SW-034	07/01/88	10 U	10 U	10 U	10 U	5 0 U	10 U	5 0 U	5 0 U	5 0 U
SW-034	04/05/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-034	05/24/89	Data not yet received								
SW-034	06/21/89	10 U V	10 U V	10 U V	10 U V	10 B A	10 U V	5 U V	5 U V	5 U V
SW-034	07/12/89	10 U	10 U	10 U	10 U	3 J	10 U	5 U	5 U	5 U
SW-034	08/04/89	10 U V	10 U V	10 U V	10 U V	15 B A	4 JB A	5 U V	5 U V	5 U V
SW-034	09/19/89	10 U V	10 U V	10 U V	10 U V	5 U V	1 JB A	5 U V	5 U V	5 U V
SW-034	10/13/89	10 U A	10 U A	10 U A	10 U A	4 JB A	10 U A	5 U A	5 U A	5 U A
SW-034	11/10/89	Data not yet received								
SW-034	12/15/89	10 U V	10 U V	10 U V	10 U V	19 B A	10 U V	5 U V	5 U V	5 U V
SW-034	01/15/90	10 U V	10 U V	10 U V	10 U V	5 U V	10 U R	5 U V	5 U V	5 U V
SW-034	01/15/90	10 U A	10 U A	10 U A	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
SW-034	02/20/90	Data not yet received								
SW-034	03/23/90	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-044	05/26/87	NR	NR	NR	NR	NR	NR	NR	4 U	NR
SW-044	06/28/88	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-044	04/03/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-044	05/17/89	10 U V	10 U V	10 U V	10 U V	5 V	10 U R	5 U V	5 U V	5 U V
SW-044	05/30/89	Data not yet received								
SW-044	06/21/89	10 U V	10 U V	10 U V	10 U V	10 B A	14 B A	5 U V	5 U V	5 U V
SW-044	07/18/89	10 U V	10 U V	10 U V	10 U V	5 U V	1 JB R	5 U V	5 U V	5 U V

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Station Number	Date Sampled	Total-1 2-Dichloro ethene ug/l	Chloroform ug/l	1 2-Di-chloro ethane ug/l	2-Butanone ug/l	1 1 1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1 2-Di-chloro propane ug/l
SW-033	04/04/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-033	05/24/89	Data not yet received								
SW-033	06/21/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	1 J V	5 U V	5 U V
SW-033	07/19/89	DRY								
SW-033	08/04/89	DRY								
SW-033	09/19/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-033	10/13/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-033	11/13/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-033	11/13/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-033	12/15/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-033	01/16/90	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-033	02/20/90	Data not yet received								
SW-033	03/23/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-034	08/20/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-034	07/01/88	NR	5 0 U	5 0 U	10 U	5 0 U	5 0 U	10 U	5 0 U	5 0 U
SW-034	07/01/88	NR	5 0 U	5 0 U	10 U	5 0 U	5 0 U	10 U	5 0 U	5 0 U
SW-034	04/05/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-034	05/24/89	Data not yet received								
SW-034	06/21/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	2 J V	5 U V	5 U V
SW-034	07/12/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-034	08/04/89	5 U V	5 U V	5 U V	1 J V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-034	09/19/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-034	10/13/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-034	11/10/89	Data not yet received								
SW-034	12/15/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-034	01/15/90	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-034	01/15/90	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-034	02/20/90	Data not yet received								
SW-034	03/23/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-044	05/26/87	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
SW-044	06/28/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-044	04/03/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-044	05/17/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-044	05/30/89	Data not yet received								
SW-044	06/21/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-044	07/18/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V

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Station Number	Date Sampled	Cis-1 3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1 1 2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1 3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-033	04/04/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U R	10 U A	10 U A
SW-033	05/24/89	Data not yet received								
SW-033	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-033	07/19/89	DRY								
SW-033	08/04/89	DRY								
SW-033	09/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-033	10/13/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-033	11/13/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-033	11/13/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-033	12/15/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-033	01/16/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-033	02/20/90	Data not yet received								
SW-033	03/23/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-034	08/20/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-034	07/01/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	10 U	10 U
SW-034	07/01/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	10 U	10 U
SW-034	04/05/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U R	10 U V	10 U V
SW-034	05/24/89	Data not yet received								
SW-034	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-034	07/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	3 JB
SW-034	08/04/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-034	09/19/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-034	10/13/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-034	11/10/89	Data not yet received								
SW-034	12/15/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-034	01/15/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-034	01/15/90	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-034	02/20/90	Data not yet received								
SW-034	03/23/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-044	05/26/87	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
SW-044	06/28/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-044	04/03/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-044	05/17/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-044	05/30/89	Data not yet received								
SW-044	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-044	07/18/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R

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Station Number	Date Sampled	Tetra chloro ethene ug/l	1 1 2 2- Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-033	04/04/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-033	05/24/89	Data not yet received						
SW-033	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-033	07/19/89	DRY						
SW-033	08/04/89	DRY						
SW-033	09/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-033	10/13/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-033	11/13/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-033	11/13/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-033	12/15/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-033	01/16/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-033	02/20/90	Data not yet received						
SW-033	03/23/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-034	08/20/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-034	07/01/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U
SW-034	07/01/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U
SW-034	04/05/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-034	05/24/89	Data not yet received						
SW-034	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-034	07/12/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-034	08/04/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-034	09/19/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-034	10/13/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-034	11/10/89	Data not yet received						
SW-034	12/15/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-034	01/15/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-034	01/15/90	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-034	02/20/90	Data not yet received						
SW-034	03/23/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-044	05/26/87	4 U	NR	NR	NR	NR	NR	NR
SW-044	06/28/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-044	04/03/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-044	05/17/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-044	05/30/89	Data not yet received						
SW-044	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-044	07/18/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V

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Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1,1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-044	08/16/89	10 U V	10 U V	10 U V	10 U V	1 JB A	1 JB A	5 U V	5 U V	5 U V
SW-044	09/22/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-044	10/19/89	10 U A	10 U A	10 U A	10 U A	5 U A	28 A	5 U A	5 U A	5 U A
SW-044	11/10/89	Data not yet received								
SW-044	12/08/89	10 U V	10 U V	10 U V	10 U V	5 U R	10 U V	5 U V	5 U V	5 U V
SW-044	01/17/90	10 U V	10 U R	10 U V	10 U V	10 V	10 U R	5 U V	5 U V	5 U V
SW-044	02/19/90	Data not yet received								
SW-044	03/17/90	10 U	10 U	10 U	10 U	5 B	1 JB	5 U	5 U	5 U
SW-045	05/26/87	NR	NR	NR	NR	NR	NR	NR	4 U	NR
SW-045	11/17/87	10 U	10 U	10 U	10 U	21	10 U	5 U	5 U	5 U
SW-045	06/28/88	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-045	04/04/89	10 U V	10 U V	10 U V	10 U V	5 U V	5 JB A	5 U V	5 U V	5 U V
SW-045	05/18/89	10 U R	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-045	05/30/89	Data not yet received								
SW-045	06/21/89	10 U V	10 U V	10 U V	10 U V	13 B A	10 U V	5 U V	5 U V	5 U V
SW-045	07/18/89	10 U V	10 U V	10 U V	10 U V	5 U V	2 JB R	5 U V	5 U V	5 U V
SW-045	08/16/89	10 U V	10 U V	10 U V	10 U V	5 U V	2 JB A	5 U V	5 U V	5 U V
SW-045	09/22/89	10 U V	10 U V	10 U V	10 U V	10 V	25 V	5 U V	5 U V	5 U V
SW-045	10/19/89	10 U A	10 U A	10 U A	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
SW-045	11/10/89	Data not yet received								
SW-045	12/08/89	10 U V	10 U V	10 U V	10 U V	5 U R	10 U V	5 U V	5 U V	5 U V
SW-045	01/16/90	10 U V	10 U V	10 U V	10 U V	10 V	10 U R	5 U V	5 U V	5 U V
SW-045	02/19/90	Data not yet received								
SW-045	02/19/90	Data not yet received								
SW-045	03/17/90	10 U	10 U	10 U	10 U	1 JB	10 U	5 U	5 U	5 U
SW-046	05/26/87	NR	NR	NR	NR	NR	NR	NR	4 U	NR
SW-046	06/27/88	10 U	10 U	10 U	10 U	6 0 B	10 U	5 0 U	5 0 U	5 0 U
SW-046	04/04/89	10 U V	10 U V	10 U V	10 U V	5 U V	2 JB A	5 U V	5 U V	5 U V
SW-046	05/18/89	10 U R	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-046	05/30/89	Data not yet received								
SW-046	06/21/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-046	07/18/89	10 U V	10 U V	10 U V	10 U V	1 J V	2 JB R	5 U V	5 U V	5 U V
SW-046	08/16/89	10 U V	10 U V	10 U V	10 U V	1 JB A	10 U V	5 U V	5 U V	5 U V
SW-046	09/22/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-046	10/19/89	10 U A	10 U A	10 U A	10 U A	6 B A	10 U A	5 U A	5 U A	5 U A
SW-046	11/10/89	Data not yet received								

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Station Number	Date Sampled	Total-1 2-Dichloro ethene ug/l	Chloroform ug/l	1 2-Di-chloro ethane ug/l	2-Butanone ug/l	1 1 1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1,2-Di-chloro propane ug/l
SW-044	08/16/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-044	09/22/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-044	10/19/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-044	11/10/89	Data not yet received								
SW-044	12/08/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-044	01/17/90	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-044	02/19/90	Data not yet received								
SW-044	03/17/90	5 U	5 U	5 U	24 B	5 U	5 U	10 U	5 U	5 U
SW-045	05/26/87	4 U	4 U	4 U	NR	4 U	6 U	NR	NR	NR
SW-045	11/17/87	5 U	5 U	5 U	10 U	5 U	6	10 U	5 U	5 U
SW-045	06/28/88	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-045	04/04/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-045	05/18/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-045	05/30/89	Data not yet received								
SW-045	06/21/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-045	07/18/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-045	08/16/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-045	09/22/89	5 U V	5 U V	5 U V	10 U V	5 V	5 U V	10 U V	5 U V	5 U V
SW-045	10/19/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-045	11/10/89	Data not yet received								
SW-045	12/08/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-045	01/16/90	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-045	02/19/90	Data not yet received								
SW-045	02/19/90	Data not yet received								
SW-045	03/17/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-046	05/26/87	4 U	4 U	4 U	NR	4 U	4 U	NR	NR	NR
SW-046	06/27/88	NR	5 0 U	5 0 U	10 U	5 0 U	5 0 U	10 U	5 0 U	5 0 U
SW-046	04/04/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-046	05/18/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-046	05/30/89	Data not yet received								
SW-046	06/21/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-046	07/18/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-046	08/16/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-046	09/22/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-046	10/19/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-046	11/10/89	Data not yet received								

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Station Number	Date Sampled	Cis-1 3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1 1,2-Tri chloro ethene ug/l	Benzene ug/l	Trans-1 3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-044	08/16/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-044	09/22/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-044	10/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-044	11/10/89	Data not yet received								
SW-044	12/08/89	5 U V	4 J A	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-044	01/17/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-044	02/19/90	Data not yet received								
SW-044	03/17/90	5 U	7	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-045	05/26/87	NR	14	NR	4 U	NR	NR	NR	NR	NR
SW-045	11/17/87	5 U	8	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-045	06/28/88	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-045	04/04/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U R	10 U V	10 U V
SW-045	05/18/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-045	05/30/89	Data not yet received								
SW-045	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-045	07/18/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-045	08/16/89	5 U V	1 J A	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-045	09/22/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-045	10/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-045	11/10/89	Data not yet received								
SW-045	12/08/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-045	01/16/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-045	02/19/90	Data not yet received								
SW-045	02/19/90	Data not yet received								
SW-045	03/17/90	5 U	2 J	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-046	05/26/87	NR	4 U	NR	4 U	NR	NR	NR	NR	NR
SW-046	06/27/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	10 U	10 U
SW-046	04/04/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U R	10 U V	10 U V
SW-046	05/18/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-046	05/30/89	Data not yet received								
SW-046	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-046	07/18/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-046	08/16/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-046	09/22/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-046	10/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-046	11/10/89	Data not yet received								

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Station Number	Date Sampled	Tetra chloro ethene ug/l	1 1 2 2- Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-044	08/16/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-044	09/22/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-044	10/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-044	11/10/89	Data not yet received						
SW-044	12/08/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-044	01/17/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-044	02/19/90	Data not yet received						
SW-044	03/17/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-045	05/26/87	128	NR	NR	NR	NR	NR	NR
SW-045	11/17/87	16	5 U	12	5 U	5 U	5 U	5 U
SW-045	06/28/88	3 J	5 U	5 U	5 U	5 U	5 U	5 U
SW-045	04/04/89	2 J A	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-045	05/18/89	8 A	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-045	05/30/89	Data not yet received						
SW-045	06/21/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-045	07/18/89	5 V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-045	08/16/89	3 J A	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-045	09/22/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-045	10/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-045	11/10/89	Data not yet received						
SW-045	12/08/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-045	01/16/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-045	02/19/90	Data not yet received						
SW-045	02/19/90	Data not yet received						
SW-045	03/17/90	23	5 U	5 U	5 U	5 U	5 U	5 U
SW-046	05/26/87	4 U	NR	NR	NR	NR	NR	NR
SW-046	06/27/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U
SW-046	04/04/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-046	05/18/89	3 J A	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-046	05/30/89	Data not yet received						
SW-046	06/21/89	2 J A	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-046	07/18/89	2 J V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-046	08/16/89	1 J A	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-046	09/22/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-046	10/19/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-046	11/10/89	Data not yet received						

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Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1 1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-046	12/08/89	10 U V	10 U V	10 U V	10 U V	5 U R	10 U V	5 U V	5 U V	5 U V
SW-046	01/16/90	10 U V	10 U V	10 U V	10 U V	8 V	10 U R	5 U V	5 U V	5 U V
SW-046	02/19/90	Data not yet received								
SW-046	03/17/90	10 U	10 U	10 U	10 U	6 B	10 U	5 U	5 U	5 U
SW-066	06/29/88	10 U	10 U	10 U	10 U	5 0 U	10 U	5 0 U	5 0 U	5 0 U
SW-066	03/29/89	10 U V	10 U V	10 U V	10 U V	6 B A	10 U V	5 U V	5 U V	5 U V
SW-066	05/17/89	10 U V	10 U V	10 U V	10 U V	6 V	10 U R	5 U V	5 U V	5 U V
SW-066	06/23/89	10 U	10 U	10 U	10 U	4 JB	10 U	5 U	5 U	5 U
SW-066	07/20/89	10 U V	10 U V	10 U V	10 U V	32 B A	2 JB A	5 U V	5 U V	5 U V
SW-066	08/22/89	10 U V	10 U V	10 U V	10 U R	10 B A	7 JB A	5 U R	5 U V	5 U V
SW-066	09/26/89	10 U A	10 U A	10 U A	10 U A	5 U A	10 U A	5 U A	5 U A	5 U A
SW-066	10/24/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U R	5 U V	5 U V	5 U V
SW-066	11/17/89	10 U V	10 U V	10 U V	10 U V	3 JB A	10 U V	5 U V	5 U V	5 U V
SW-066	12/14/89	10 U R	10 U R	10 U R	10 U R	4 JB R	10 U R	5 U R	5 U R	5 U R
SW-066	01/11/90	10 U R	10 U V	10 U V	10 U V	3 JB A	7 JB A	5 U V	5 U V	5 U V
SW-066	02/08/90	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-066	03/14/90	Data not yet received								
SW-067	06/29/88	10 U	10 U	10 U	10 U	5 0 U	10 U	5 0 U	5 0 U	5 0 U
SW-067	04/04/89	10 U A	10 U A	10 U A	10 U A	5 U A	3 JB A	5 U A	5 U A	5 U A
SW-067	05/17/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-067	05/31/89	Insufficient Sample or Volatile Organic Analysis not requested								
SW-067	06/23/89	10 U	10 U	10 U	10 U	3 JB	2 J	5 U	5 U	5 U
SW-067	07/20/89	10 U V	10 U V	10 U V	10 U V	38 B A	2 JB A	5 U V	5 U V	5 U V
SW-067	08/21/89	10 U V	10 U V	10 U V	10 U V	6 B A	10 U R	5 U V	5 U V	5 U V
SW-067	09/26/89	10 U V	10 U V	10 U V	10 U V	4 JB A	10 U V	5 U V	5 U V	5 U V
SW-067	10/24/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U R	5 U V	5 U V	5 U V
SW-067	11/16/89	10 U V	10 U V	10 U V	10 U V	2 JB A	10 U V	5 U V	5 U V	5 U V
SW-067	12/14/89	10 U R	10 U R	10 U R	10 U R	5 B R	10 U R	5 U R	5 U R	5 U R
SW-067	01/11/90	10 U R	10 U V	10 U V	10 U V	2 JB A	6 JB A	5 U V	5 U V	5 U V
SW-067	02/08/90	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-067	03/15/90	10 U	10 U	10 U	10 U	12 B	10 U	5 U	5 U	5 U
SW-068	06/29/88	10 U	10 U	10 U	10 U	5 0 U	10 U	5 0 U	5 0 U	5 0 U
SW-068	03/29/89	10 U V	10 U V	10 U V	10 U V	3 J A	10 U V	5 U V	5 U V	5 U V
SW-068	05/17/89	10 U V	10 U V	10 U V	10 U V	1 J A	10 U V	5 U V	5 U V	5 U V
SW-068	06/23/89	10 U	10 U	10 U	10 U	4 JB	10 U	5 U	5 U	5 U

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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Total-1 2-Dichloro ethene ug/l	Chloroform ug/l	1 2-Di-chloro ethane ug/l	2-Butanone ug/l	1 1 1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1 2-Di-chloro propane ug/l
SW-046	12/08/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-046	01/16/90	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-046	02/19/90	Data not yet received								
SW-046	03/17/90	5 U	5 U	5 U	13 B	5 U	5 U	10 U	5 U	5 U
SW-066	06/29/88	NR	5 0 U	5 0 U	10 U	5 0 U	5 0 U	10 U	5 0 U	5 0 U
SW-066	03/29/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-066	05/17/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-066	06/23/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-066	07/20/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-066	08/22/89	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
SW-066	09/26/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-066	10/24/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-066	11/17/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-066	12/14/89	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
SW-066	01/11/90	5 U V	5 U V	5 U V	4 JB A	5 U V	5 U V	10 U V	5 U V	5 U V
SW-066	02/08/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-066	03/14/90	Data not yet received								
SW-067	06/29/88	NR	5 0 U	5 0 U	10 U	5 0 U	5 0 U	10 U	5 0 U	5 0 U
SW-067	04/04/89	5 U A	5 U A	5 U A	10 U A	5 U A	5 U A	10 U A	5 U A	5 U A
SW-067	05/17/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-067	05/31/89	Insufficient Sample or Volatile Organic Analysis not requested								
SW-067	06/23/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-067	07/20/89	5 U V	1 J A	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-067	08/21/89	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
SW-067	09/26/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-067	10/24/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-067	11/16/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-067	12/14/89	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
SW-067	01/11/90	5 U V	5 U V	5 U V	4 JB A	4 J A	5 U V	10 U V	5 U V	5 U V
SW-067	02/08/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-067	03/15/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-068	06/29/88	NR	5 0 U	5 0 U	10 U	5 0 U	5 0 U	10 U	5 0 U	5 0 U
SW-068	03/29/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-068	05/17/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-068	06/23/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U

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Station Number	Date Sampled	Cis-1 3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1 1 2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1 3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-046	12/08/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-046	01/16/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-046	02/19/90	Data not yet received								
SW-046	03/17/90	5 U	10	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-066	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	10 U	10 U
SW-066	03/29/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-066	05/17/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-066	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-066	07/20/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-066	08/22/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U R	5 U V	10 U R	10 U R
SW-066	09/26/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U R	10 U A
SW-066	10/24/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-066	11/17/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-066	12/14/89	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
SW-066	01/11/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-066	02/08/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-066	03/14/90	Data not yet received								
SW-067	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	10 U	10 U
SW-067	04/04/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U R	10 U A	10 U A
SW-067	05/17/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-067	05/31/89	Insufficient Sample or Volatile Organic Analysis not requested								
SW-067	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-067	07/20/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-067	08/21/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-067	09/26/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U R	10 U V
SW-067	10/24/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-067	11/16/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-067	12/14/89	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
SW-067	01/11/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-067	02/08/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-067	03/15/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-068	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	10 U	10 U
SW-068	03/29/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-068	05/17/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-068	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U

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Station Number	Date Sampled	Tetra chloro ethane ug/l	1 1 2 2- Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-046	12/08/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-046	01/16/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-046	02/19/90	Data not yet received						
SW-046	03/17/90	16	5 U	5 U	5 U	5 U	5 U	5 U
SW-066	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U
SW-066	03/29/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-066	05/17/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-066	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-066	07/20/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-066	08/22/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-066	09/26/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-066	10/24/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-066	11/17/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-066	12/14/89	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
SW-066	01/11/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-066	02/08/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-066	03/14/90	Data not yet received						
SW-067	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U
SW-067	04/04/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-067	05/17/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-067	05/31/89	Insufficient Sample or Volatile Organic Analysis not requested						
SW-067	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-067	07/20/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-067	08/21/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-067	09/26/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-067	10/24/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-067	11/16/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-067	12/14/89	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
SW-067	01/11/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-067	02/08/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-067	03/15/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-068	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U
SW-068	03/29/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-068	05/17/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-068	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U

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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1 1-Di-chloro ethene ug/l	1 1-Di-chloro ethane ug/l
SW-068	07/20/89	10 U V	10 U V	10 U V	10 U V	31 B A	3 JB A	5 U V	5 U V	5 U V
SW-068	08/21/89	10 U A	10 U A	10 U A	10 U A	3 JB A	10 U R	5 U A	5 U A	5 U A
SW-068	09/26/89	10 U V	10 U V	10 U V	10 U V	3 JB A	10 U V	5 U V	5 U V	5 U V
SW-068	10/24/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U R	5 U V	5 U V	5 U V
SW-068	11/16/89	10 U V	10 U V	10 U V	10 U V	2 JB A	10 U V	1 J A	5 U V	5 U V
SW-068	12/14/89	10 U R	10 U R	10 U R	10 U R	4 JB R	10 U R	5 U R	5 U R	5 U R
SW-068	01/11/90	10 U R	10 U V	10 U V	10 U V	2 JB A	3 JB A	5 U V	5 U V	5 U V
SW-068	02/07/90	Data not yet received								
SW-068	03/15/90	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-069	06/29/88	10 U	10 U	10 U	10 U	5 0 U	10 U	5 0 U	5 0 U	5 0 U
SW-069	03/29/89	10 U V	10 U V	10 U V	10 U V	3 J A	10 U V	5 U V	5 U V	5 U V
SW-069	04/05/89	Insufficient Sample or Volatile Organic Analysis not requested								
SW-069	05/16/89	10 U V	10 U V	10 U V	10 U V	2 J A	10 U V	5 U V	5 U V	5 U V
SW-069	06/23/89	10 U	10 U	10 U	10 U	3 JB	2 J	5 U	5 U	5 U
SW-069	07/20/89	10 U V	10 U V	10 U V	10 U V	35 B V	4 JB A	5 U A	5 U V	5 U V
SW-069	08/21/89	10 U V	10 U V	10 U V	10 U V	6 B A	10 U R	5 U V	5 U V	5 U V
SW-069	09/26/89	10 U V	10 U V	10 U V	10 U V	3 JB A	10 U V	5 U V	5 U V	5 U V
SW-069	10/23/89	10 U V	10 U V	10 U V	10 U V	6 B A	10 U R	5 U V	5 U V	5 U V
SW-069	11/16/89	10 U V	10 U V	10 U V	10 U V	2 JB A	10 U V	5 U V	5 U V	5 U V
SW-069	12/13/89	10 U V	10 U V	10 U V	10 U V	5 U V	9 J A	5 U V	5 U V	5 U V
SW-069	01/11/90	10 U R	10 U V	10 U V	10 U V	2 JB A	4 JB A	5 U V	5 U V	5 U V
SW-069	02/07/90	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-069	03/15/90	10 U	10 U	10 U	10 U	5 U	10 U	5 U	5 U	5 U
SW-070	06/29/88	10 U	10 U	10 U	10 U	5 0 U	10 U	5 0 U	5 0 U	5 0 U
SW-070	03/29/89	10 U V	10 U V	10 U V	10 U V	3 J A	10 U V	5 U V	5 U V	5 U V
SW-070	05/16/89	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-070	06/23/89	10 U	10 U	10 U	10 U	3 JB	10 U	5 U	5 U	5 U
SW-070	07/20/89	10 U V	10 U V	10 U V	10 U V	34 B A	4 JB A	5 U V	5 U V	5 U V
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	10 U V	10 U V	10 U V	10 U V	5 B A	3 JB A	5 U V	5 U V	5 U V
SW-070	10/23/89	10 U V	10 U V	10 U V	10 U V	7 B A	10 U V	5 U V	5 U V	5 U V
SW-070	10/23/89	10 U V	10 U V	10 U V	10 U V	6 B A	10 B A	5 U V	5 U V	5 U V
SW-070	11/16/89	10 U V	10 U V	10 U V	10 U V	5 B A	10 U V	5 U A	5 U V	5 U V
SW-070	12/13/89	10 U V	10 U V	10 U V	10 U V	5 U V	15 A	5 U V	5 U V	5 U V
SW-070	01/11/90	10 U R	10 U V	10 U V	10 U V	4 JB A	10 U A	5 U V	5 U V	5 U V

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Station Number	Date Sampled	Total-1 2-Dichloro ethane ug/l	Chloroform ug/l	1 2-Di-chloro ethane ug/l	2-Butanone ug/l	1 1 1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1 2-Di-chloro propane ug/l
SW-068	07/20/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-068	08/21/89	5 U A	5 U A	5 U A	10 U R	5 U A	5 U A	10 U A	5 U A	5 U A
SW-068	09/26/89	5 U V	5 U V	5 U V	10 U V	5 U V	2 J A	10 U V	5 U V	5 U V
SW-068	10/24/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-068	11/16/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-068	12/14/89	5 U R	5 U R	5 U R	10 U R	5 U R	5 U R	10 U R	5 U R	5 U R
SW-068	01/11/90	5 U V	5 U V	5 U V	4 JB A	5 U V	5 U V	10 U V	5 U V	5 U V
SW-068	02/07/90	Data not yet received								
SW-068	03/15/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-069	06/29/88	NR	5 0 U	5 0 U	10 U	5 0 U	5 0 U	10 U	5 0 U	5 0 U
SW-069	03/29/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-069	04/05/89	Insufficient Sample or Volatile Organic Analysis not requested								
SW-069	05/16/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-069	06/23/89	5 U	1 J	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-069	07/20/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-069	08/21/89	5 U V	5 U V	5 U V	10 U R	5 U V	5 U V	10 U V	5 U V	5 U V
SW-069	09/26/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-069	10/23/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-069	11/16/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-069	12/13/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-069	01/11/90	5 U V	5 U V	5 U V	4 JB A	5 U V	5 U V	10 U V	5 U V	5 U V
SW-069	02/07/90	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-069	03/15/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-070	06/29/88	NR	5 0 U	5 0 U	10 U	5 0 U	5 0 U	10 U	5 0 U	5 0 U
SW-070	03/29/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-070	05/16/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-070	06/23/89	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SW-070	07/20/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-070	10/23/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-070	10/23/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-070	11/16/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-070	12/13/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U R	5 U V	5 U V
SW-070	01/11/90	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V

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Station Number	Date Sampled	Cis-1,3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1 1 2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1,3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-068	07/20/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-068	08/21/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	10 U A	10 U A
SW-068	09/26/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U R	10 U V
SW-068	10/24/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-068	11/16/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-068	12/14/89	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	10 U R	10 U R
SW-068	01/11/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-068	02/07/90	Data not yet received								
SW-068	03/15/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-069	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	10 U	10 U
SW-069	03/29/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-069	04/05/89	Insufficient Sample or Volatile Organic Analysis not requested								
SW-069	05/16/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-069	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-069	07/20/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-069	08/21/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-069	09/26/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U R	10 U V
SW-069	10/23/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-069	11/16/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-069	12/13/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-069	01/11/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-069	02/07/90	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-069	03/15/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-070	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	10 U	10 U
SW-070	03/29/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U R
SW-070	05/16/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-070	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SW-070	07/20/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U R	10 U V
SW-070	10/23/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-070	10/23/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-070	11/16/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-070	12/13/89	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V
SW-070	01/11/90	5 U V	5 U V	5 U V	5 U V	5 U A	5 U V	5 U V	10 U V	10 U V

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Station Number	Date Sampled	Tetra chloro ethene ug/l	1 1 2 2- Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-068	07/20/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-068	08/21/89	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A	5 U A
SW-068	09/26/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-068	10/24/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-068	11/16/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-068	12/14/89	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R	5 U R
SW-068	01/11/90	1 J A	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-068	02/07/90	Data not yet received						
SW-068	03/15/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-069	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U
SW-069	03/29/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-069	04/05/89	Insufficient Sample or Volatile Organic Analysis not requested						
SW-069	05/16/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-069	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-069	07/20/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-069	08/21/89	5 U V	5 U V	4 J A	5 U A	5 U A	5 U A	5 U A
SW-069	09/26/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-069	10/23/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-069	11/16/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-069	12/13/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-069	01/11/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-069	02/07/90	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-069	03/15/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-070	06/29/88	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U	5 0 U
SW-070	03/29/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-070	05/16/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-070	06/23/89	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW-070	07/20/89	5 U V	5 U V	2 J A	5 U A	5 U A	5 U A	5 U A
SW-070	08/14/89	Data not yet received						
SW-070	08/14/89	Data not yet received						
SW-070	09/26/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-070	10/23/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-070	10/23/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-070	11/16/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-070	12/13/89	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A
SW-070	01/11/90	5 U V	5 U V	5 U A	5 U A	5 U A	5 U A	5 U A

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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Chloro methane ug/l	Bromo methane ug/l	Vinyl Chloride ug/l	Chloro ethane ug/l	Methylene Chloride ug/l	Acetone ug/l	Carbon Disulfide ug/l	1 1-Di-chloro ethene ug/l	1,1-Di-chloro ethane ug/l
SW-070	02/07/90	10 U V	10 U V	10 U V	10 U V	5 U V	10 U V	5 U V	5 U V	5 U V
SW-070	03/15/90	10 U	10 U	10 U	10 U	19 B	10 U	5 U	5 U	5 U

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Station Number	Date Sampled	Total-1 2-Dichloro ethene ug/l	Chloroform ug/l	1 2-Di-chloro ethane ug/l	2-Butanone ug/l	1 1 1-Tri chloro ethane ug/l	Carbon Tetra chloride ug/l	Vinyl Acetate ug/l	Bromo dichloro methane ug/l	1 2-Di-chloro propane ug/l
SW-070	02/07/90	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SW-070	03/15/90	5 U	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U

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Volatile Organic Surface Water Sampling Results

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Station Number	Date Sampled	Cis-1 3-Dichloro propene ug/l	Trichloro ethene ug/l	Dibromo chloro methane ug/l	1 1 2-Tri chloro ethane ug/l	Benzene ug/l	Trans-1 3-Dichloro propene ug/l	Bromoform ug/l	4-Methyl-2-penta none ug/l	2-Hexanone ug/l
SW-070	02/07/90	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SW-070	03/15/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Volatile Organic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Tetra chloro ethene ug/l	1 1 2 2- Tetrachloro ethane ug/l	Toluene ug/l	Chloro benzene ug/l	Ethyl benzene ug/l	Styrene ug/l	Total Xylenes ug/l
SW-070	02/07/90	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V
SW-070	03/15/90	5 U	5 U	5 U	5 U	5 U	5 U	5 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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APPENDIX C-2

DISSOLVED METALS

Dissolved Metals Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Aluminum (Al), diss mg/l	Antimony (Sb) diss mg/l	Arsenic (As) diss mg/l	Barium (Ba) diss mg/l	Beryllium (Be), diss mg/l	Cadmium (Cd) diss mg/l	Calcium (Ca), diss mg/l	Cesium (Cs), diss mg/l	Chromium (Cr), diss mg/l
SW-031	08/20/86	3 47	0 050 U	0 002 U	0 100 U	0 090	0 005 U	103	0 100 U	0 010 U
SW-031	05/26/87	0 2	NR	NR	0 2 U	NR	NR	56 5	NR	0 01 U
SW-031	05/26/87	NR	0 06 U	0 01 U	NR	NR	0 006	NR	0 2 U	NR
SW-031	06/28/88	0 200 U	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	60 0	NR	0 010 U
SW-031	03/30/89	200 U V	0600 U R	0100 U A	200 U V	0050 U V	0050 U A	69 10 V	1U V	0100 U A
SW-031	05/17/89	200 U R	0600 U V	0100 U V	200 U V	0050 U R	0050 U A	66 50	1U A	0100 U V
SW-031	06/27/89	200 U V	0600 U A	0100 U V	200 U V	0050 U A	0050 U A	81 10 A	1U V	0100 U V
SW-031	07/21/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U V	75 60 V	1U V	0100 U V
SW-031	08/22/89	200 U A	0600 U V	0100 U R	200 U V	0050 U A	0050 U A	83 50 V	100 U V	0100 U V
SW-031	09/26/89	200 U V	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	81 V	1U V	0100 U V
SW-031	10/24/89	0300 U A	500 U A	0020 U V	115 V	0020 U A	0040 U R	74 80 V	0010 U V	0200 U A
SW-031	11/17/89	200 U R	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	77 90 A	1U R	0100 U V
SW-031	12/14/89	0463 A	500 U V	0020 U V	135 A	0020 U V	0040 U V	72 90 V	1U V	0200 U V
SW-031	01/11/90	0300 U	500 U	0020 U	116	0020 U	0040 U	73 50	1U	0200 U
SW-031	02/20/90	Data not yet received								
SW-031	03/14/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	65 90	1U	0100 U
SW-032	08/20/86	0 100 U	0 050 U	0 002 U	0 100 U	0 090	0 005 U	67 1	0 100 U	0 010 U
SW-032	05/26/87	NR	0 06 U	0 01 U	NR	NR	0 005 U	NR	0 2 U	NR
SW-032	07/30/87	0 2 U	NR	NR	0 2 U	NR	NR	49 2	NR	0 01 U
SW-032	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-032	06/21/88	0 200 U	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	46 0	NR	0 010 U
SW-032	06/21/88	0 200 U	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	45 3	NR	0 010 U
SW-032	04/05/89	200 U V	0600 U A	0100 U V	200 U V	0050 U A	0050 U A	35 10 V	1U R	0100 U A
SW-032	05/24/89	Data not yet received								
SW-032	06/21/89	200 U A	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	48 10 V	1U V	0100 U V
SW-032	07/19/89	200 U A	0600 U V	0100 U V	200 U V	0050 U V	0050 U V	41 80 V	1U V	0100 U V
SW-032	08/04/89	200 U V	0600 U A	0100 U V	200 U A	0050 U R	0050 U V	44 V	1U V	0100 U V
SW-032	09/19/89	Data not yet received								
SW-032	10/13/89	200 U V	0600 U A	0100 U A	200 U V	0050 U R	0050 U R	50 40 V	1U V	0100 U V
SW-032	11/13/89	200 U R	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	46 70 A	1U R	0100 U V
SW-032	12/15/89	200 U A	0600 U V	0020 U V	200 U V	0050 U V	0051 A	43 60 V	1U V	0100 U V
SW-032	01/16/90	0377	500 U	0020 U	0765	0020 U	0040 U	47 30	1U	0200 U
SW-032	02/20/90	Data not yet received								
SW-032	03/23/90	267	0600 U	0100 U	200 U	0050 U	0050 U	35 30	1U	0100 U
SW-033	08/21/86	DRY								
SW-033	07/01/88	0 200 U	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	40	NR	0 010 U

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni) diss mg/l	Potassium (K) diss mg/l	Selenium (Se) diss mg/l	Silver (Ag) diss mg/l	Sodium (Na) diss mg/l	Strontium (Sr) diss mg/l	Thallium (Tl) diss mg/l	Tin (Sn), diss mg/l	Vanadium (V), diss mg/l
SW-031	08/20/86	0 040 U	0 100 U	0 002 U	0 010 U	18 7	0 380	0 010 U	NR	0 050 U
SW-031	05/26/87	0 04 U	NR	NR	0 01 U	24 0	0 4	NR	NR	0 05 U
SW-031	05/26/87	NR	5 0 U	0 005 U	NR	NR	NR	0 01 U	NR	NR
SW-031	06/28/88	0 040 U	5 0 U	0 005 U	0 010 U	26	0 4	0 010 U	NR	0 050 U
SW-031	03/30/89	0400 U A	5U V	0050 U A	0100 U V	38 50 V	453 V	0100 U A	100 U V	0500 U V
SW-031	05/17/89	0400 U A	5U A	0050 U V	NR	32 20	1U V	0400 U A	100 U V	0500 U V
SW-031	06/27/89	0400 U A	5U R	0050 U A	0100 U A	32 70 V	1U V	0100 U A	100 U A	0500 U V
SW-031	07/21/89	0400 U A	5U A	0050 U R	0100 U R	31 80 V	1U V	0100 U R	100 U V	0500 U R
SW-031	08/22/89	0400 U V	5U A	0050 U V	0100 U V	32 80 V	496 A	0100 U A	100 U V	0500 U V
SW-031	09/26/89	0400 U V	5U R	0050 U A	0100 U R	31 40 V	1U V	0100 U A	100 U V	0500 U V
SW-031	10/24/89	0200 U V	2 03 A	0024 A	0300 U R	31 30 V	496 A	0030 U A	1U A	0100 U V
SW-031	11/17/89	0400 U V	5U R	0050 U V	0100 U V	30 60 V	1U R	0200 U V	100 U V	0500 U V
SW-031	12/14/89	0200 U V	3 10 V	0020 U A	0300 U V	30 70 V	457 A	0030 U A	1U A	0100 U V
SW-031	01/11/90	0200 U	3 74	0020 U	0300 U	30 90	429	0030 U	1U	0100 U
SW-031	02/20/90	Data not yet received								
SW-031	03/14/90	0400 U	5U	0050 U	0100 U	33 20	1U	0100 U	100 U	0500 U
SW-032	08/20/86	0 040 U	0 100 U	0 002 U	0 010 U	8	0 230	0 010 U	NR	0 050 U
SW-032	05/26/87	NR	5 0 U	0 005 U	NR	NR	NR	0 01 U	NR	NR
SW-032	07/30/87	0 04 U	NR	NR	0 01 U	14 5	0 2 U	NR	NR	0 05 U
SW-032	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-032	06/21/88	0 040 U	5 0 U	0 006	0 010 U	13 9	0 255	0 010 U	NR	0 050 U
SW-032	06/21/88	0 040 U	5 0 U	0 008	0 010 U	14 3	0 277	0 010 U	NR	0 050 U
SW-032	04/05/89	0400 U R	5U A	0050 U V	0100 U V	21 50 A	1U V	0100 U R	100 U V	0500 U R
SW-032	05/24/89	Data not yet received								
SW-032	06/21/89	0400 U V	5U A	0050 U A	0100 U A	22 40 V	1U A	0100 U R	100 U A	0500 U R
SW-032	07/19/89	0400 U V	5U V	0050 U R	0100 U R	10 10 V	1U V	0100 U A	100 U V	0500 U V
SW-032	08/04/89	0400 U V	5U V	0050 U R	0100 U V	10 50 V	1U V	0100 U V	100 U V	0500 U V
SW-032	09/19/89	Data not yet received								
SW-032	10/13/89	0400 U V	5U A	0050 U A	0100 U A	19 10 V	1U A	0100 U V	100 U V	0500 U V
SW-032	11/13/89	0400 U V	5U R	0050 U V	0100 U V	16 70 V	1U R	0100 U V	100 U V	0500 U V
SW-032	12/15/89	0400 U V	5U V	0020 U A	0100 U V	16 30 V	198 A	0030 U A	1U A	0500 U V
SW-032	01/16/90	0200 U	1 13	0021	0300 U	18 50	225	0030 U	1U	0100 U
SW-032	02/20/90	Data not yet received								
SW-032	03/23/90	0400 U	5U	0050 U	0100 U	13 80	1U	0100 U	100 U	0500 U
SW-033	08/21/86	DRY								
SW-033	07/01/88	0 040 U	5 0 U	0 015	0 010 U	27	0 3	0 010 U	NR	0 050 U

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn) diss mg/l		
SW-031	08/20/86	0 589		
SW-031	05/26/87	0 02		
SW-031	05/26/87	0 02	U	
SW-031	06/28/88	0 05		
SW-031	03/30/89	0200	U	A
SW-031	05/17/89	0200	U	V
SW-031	06/27/89	0200	U	V
SW-031	07/21/89	0200	U	V
SW-031	08/22/89	0200	U	A
SW-031	09/26/89	0200	U	A
SW-031	10/24/89	0168		A
SW-031	11/17/89	0200	U	A
SW-031	12/14/89	0120		A
SW-031	01/11/90	0304		
SW-031	02/20/90	Data not yet received		
SW-031	03/14/90	0547		
SW-032	08/20/86	0 020	U	
SW-032	05/26/87	0 02	U	
SW-032	07/30/87	0 02	U	
SW-032	11/11/87	Insufficient Sample or Dissolved Metals Analysis not requested		
SW-032	06/21/88	0 143		
SW-032	06/21/88	0 053		
SW-032	04/05/89	0251		A
SW-032	05/24/89	Data not yet received		
SW-032	06/21/89	0200	U	V
SW-032	07/19/89	0200	U	A
SW-032	08/04/89	0200	U	A
SW-032	09/19/89	Data not yet received		
SW-032	10/13/89	0533		A
SW-032	11/13/89	0200	U	A
SW-032	12/15/89	0200	U	A
SW-032	01/16/90	0675		
SW-032	02/20/90	Data not yet received		
SW-032	03/23/90	0628		
SW-033	08/21/86	DRY		
SW-033	07/01/88	0 020		

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Aluminum (Al) diss mg/l	Antimony (Sb) diss mg/l	Arsenic (As) diss mg/l	Barium (Ba), diss mg/l	Beryllium (Be) diss mg/l	Cadmium (Cd), diss mg/l	Calcium (Ca), diss mg/l	Cesium (Cs), diss mg/l	Chromium (Cr), diss mg/l
SW-033	04/04/89	200 U A	0600 U R	0100 U V	200 U V	0050 U A	0050 U R	25 60 V	1U R	0100 U A
SW-033	05/24/89	Data not yet received								
SW-033	06/21/89	200 U A	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	44 10 V	1U V	0100 U V
SW-033	07/19/89	DRY								
SW-033	08/04/89	DRY								
SW-033	09/19/89	71 4 U R	12 7 U R	1 2 U V	87 6 V	0 6 U V	2 1 U V	51200 V	1000 U V	5 9 U V
SW-033	10/13/89	200 U V	0600 U V	0100 U A	200 U V	0050 U R	0050 U R	41 80 V	1U V	0100 U V
SW-033	11/13/89	200 U R	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	36 10 A	1U R	0100 U V
SW-033	11/13/89	200 U R	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	35 90 A	1U R	0100 U V
SW-033	12/15/89	200 U V	0600 U V	0020 U V	200 U V	0050 U V	0050 U V	33 90 V	1U V	0100 U V
SW-033	01/16/90	0743	500 U	0020 U	0699	0020 U	0040 U	39 20	1U	0200 U
SW-033	02/20/90	Data not yet received								
SW-033	03/23/90	583	0600 U	0100 U	200 U	0050 U	0050 U	20 10	1U	0100 U
SW-034	08/20/86	0 100 U	0 050 U	0 002 U	0 100 U	0 005 U	0 005 U	65	0 100 U	0 010 U
SW-034	07/01/88	0 200 U	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	44	NR	0 010 U
SW-034	07/01/88	0 200 U	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	43	NR	0 010 U
SW-034	04/05/89	200 U V	0600 U V	0100 U A	200 U V	0050 U A	0050 U B	55 90 V	1U R	0100 U B
SW-034	05/24/89	Data not yet received								
SW-034	06/21/89	0 200 U A	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	53 V	1U V	0100 U V
SW-034	07/12/89	Data not yet received								
SW-034	08/04/89	200 U V	0600 U A	0100 U V	200 U A	0050 U R	0050 U V	44 60 V	1U V	0100 U V
SW-034	09/19/89	200 U R	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	53 30 V	1U V	0100 U V
SW-034	10/13/89	200 U V	0600 U A	0100 U A	200 U V	0050 U R	0050 U R	55 80 V	1U V	0100 U V
SW-034	11/10/89	200 U R	0600 U A	0100 U V	200 U	0050 U R	0050 U V	55 10	1U V	0100 U V
SW-034	12/15/89	200 U A	0600 U V	0021 V	200 U V	0050 U V	0050 U V	56 20 V	1U V	0100 U V
SW-034	01/15/90	0300 U V	500 U V	0020 U V	0758 V	0020 U V	0040 U V	49 10 V	1U V	0200 U V
SW-034	01/15/90	0300 U V	500 U V	0020 U V	0785 V	0020 U V	0040 U V	49 90 V	1U V	0200 U V
SW-034	02/20/90	Data not yet received								
SW-034	03/23/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	46 80	1U	0100 U
SW-044	05/26/87	NR	0 06 U	0 01 U	NR	NR	0 005 U	NR	0 2 U	NR
SW-044	06/28/88	0 6	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	72 0	NR	0 010 U
SW-044	04/03/89	200 U V	0600 U R	0100 U R	200 U V	0050 U V	0050 U R	58 20 V	1U V	0100 U A
SW-044	05/17/89	200 U R	0600 U A	0100 U V	200 U V	0050 U R	0050 U A	63 20	1U A	0100 U V
SW-044	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-044	06/21/89	200 U A	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	75 V	1U V	0100 U V
SW-044	07/18/89	200 U A	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	68 70 V	1U V	0100 U V

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co) diss mg/l	Copper (Cu), diss mg/l	Iron (Fe) diss mg/l	Lead (Pb) diss mg/l	Lithium (Li) diss mg/l	Magnesium (Mg), diss mg/l	Manganese (Mn), diss mg/l	Mercury (Hg), diss mg/l	Molybdenum (Mo) diss mg/l
SW-033	04/04/89	0500 U V	0250 U A	100 U A	0050 U R	0108 V	5 72 A	0150 U A	0005 A	0199 A
SW-033	05/24/89	Data not yet received								
SW-033	06/21/89	0500 U R	0250 U R	100 U A	0050 U A	100 U A	10 50 V	0336 V	0002 U V	100 U A
SW-033	07/19/89	DRY								
SW-033	08/04/89	DRY								
SW-033	09/19/89	4 9 U V	5 8 U V	15 6 U V	0 6 U R	100 U A	7540 V	7 2 U A	0002 U A	100 U A
SW-033	10/13/89	0500 U V	0250 U V	100 U R	0050 U A	100 U A	9 80 V	0150 U A	0002 U V	100 U V
SW-033	11/13/89	0500 U V	0250 U V	100 U V	0050 U V	100 U R	8 06 V	0150 U V	0002 A	100 U V
SW-033	11/13/89	0500 U V	0250 U A	100 U V	0050 U V	100 U R	8 V	0150 U V	0003 A	100 U V
SW-033	12/15/89	0500 U V	0250 U A	100 U A	0028 A	5U V	7 63 V	0150 U A	0002 U V	100 U A
SW-033	01/16/90	0200 U	0200 U	110	0020 U	0100	8 55	0100 U	0002 U	500 U
SW-033	02/20/90	Data not yet received								
SW-033	03/23/90	0500 U	0250 U	306	0050 U	100 U	5U	0150 U	0002 U	100 U
SW-034	08/20/86	0 050 U	0 020 U	0 030 U	0 005 U	NR	7 2	0 010 U	0 0002 U	0 100 U
SW-034	07/01/88	0 050 U	0 025 U	0 100 U	0 005 U	NR	6	0 015 U	0 0002 U	NR
SW-034	07/01/88	0 050 U	0 025 U	0 100 U	0 005 U	NR	5	0 015 U	0 0002 U	NR
SW-034	04/05/89	0500 U V	0250 U *	100 U A	0050 U V	0109 V	7 85 V	0150 U A	0002 U A	0212 V
SW-034	05/24/89	Data not yet received								
SW-034	06/21/89	0500 U R	0250 U R	100 U R	0050 U A	100 U *	6 96 V	0150 U V	0002 U V	100 U A
SW-034	07/12/89	Data not yet received								
SW-034	08/04/89	0500 U V	0250 U R	100 U R	0050 U A	100 U V	5 54 V	0150 U A	0002 U R	100 U V
SW-034	09/19/89	0500 U V	0250 U V	100 U V	0050 U R	100 U A	6 85 V	0150 U A	0002 U R	100 U A
SW-034	10/13/89	0500 U V	0250 U V	100 U V	0050 U A	100 U A	7 04 V	0150 U R	0002 U V	100 U V
SW-034	11/10/89	0500 U V	0250 U R	100 U V	0050 U V	100 U A	6 85 V	0150 U A	0002 U R	100 U V
SW-034	12/15/89	0500 U V	0250 U V	100 U A	0099 V	5U V	7 12 V	0150 U V	0002 U V	100 U A
SW-034	01/15/90	0200 U R	0200 U R	0420 A	0041 A	0090 A	6 57 V	0100 U V	0002 U V	500 U A
SW-034	01/15/90	0200 U R	0200 U A	0447 A	0039 A	0090 A	6 72 V	0100 U V	0002 U V	500 U A
SW-034	02/20/90	Data not yet received								
SW-034	03/23/90	0500 U	0250 U	100 U	0050 U	100 U	6 31	0150 U	0002 U	100 U
SW-044	05/26/87	NR	NR	NR	0 005 U	0 01	NR	NR	0 0002 U	NR
SW-044	06/28/88	0 050 U	0 025 U	0 100 U	0 005 U	NR	21 0	0 070	0 46	NR
SW-044	04/03/89	0500 U A	0250 U R	100 U A	0050 U R	0100 U V	13 80 V	0336 V	0003 A	0100 U V
SW-044	05/17/89	0500 U A	0250 U A	100 U A	0050 U R	0100 U A	11 70	0150 U A	0002 U R	0100 U V
SW-044	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-044	06/21/89	0500 U R	0250 U R	100 U R	0050 U A	100 U A	16 60 V	0595 A	0002 U V	100 U A
SW-044	07/18/89	0500 U V	0250 U R	100 U A	0050 U A	100 U V	15 80 V	0150 U V	0002 U V	100 U V

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni), diss mg/l	Potassium (K) diss mg/l	Selenium (Se) diss mg/l	Silver (Ag), diss mg/l	Sodium (Na) diss mg/l	Strontium (Sr), diss mg/l	Thallium (Tl), diss mg/l	Tin (Sn), diss mg/l	Vanadium (V), diss mg/l
SW-033	04/04/89	0400 U R	5U A	0050 U A	0100 U A	24 A	152 V	0400 U A	100 U V	0500 U V
SW-033	05/24/89	Data not yet received								
SW-033	06/21/89	0400 U V	5U A	0102 A	0100 U A	30 50 V	1U A	0100 U R	100 U A	0500 U R
SW-033	07/19/89	DRY								
SW-033	08/04/89	DRY								
SW-033	09/19/89	8 4 U V	759 U R	3 4 U A	3 4 U V	17300 V	1000 U A	2 8 U V	100 U A	6 0 U V
SW-033	10/13/89	0400 U V	5U A	0050 U A	0100 U R	27 V	1U A	0100 U V	100 U V	0500 U V
SW-033	11/13/89	0400 U V	5U R	0050 U A	0100 U V	20 20 V	1U R	0100 U V	100 U V	0500 U V
SW-033	11/13/89	0400 U V	5U R	0050 U V	0100 U V	20 20 V	1U R	0100 U V	100 U V	0500 U A
SW-033	12/15/89	0400 U V	5U A	0021 V	0100 U V	17 60 V	195 A	0030 U R	1U A	0500 U V
SW-033	01/16/90	0200 U	1 08	0030	0300 U	21	223	0030 U	1U	0100 U
SW-033	02/20/90	Data not yet received								
SW-033	03/23/90	0400 U	5U	0050 U	0103	14	1U	0100 U	100 U	0500 U
SW-034	08/20/86	0 040 U	0 750	0 002 U	0 010 U	3 3	0 170	0 010 U	NR	0 050 U
SW-034	07/01/88	0 040 U	5 0 U	0 005 U	0 010 U	10	0 2	0 010 U	NR	0 050 U
SW-034	07/01/88	0 040 U	5 0	0 005 U	0 010 U	11	0 200 U	0 010 U	NR	0 050 U
SW-034	04/05/89	0400 U R	5U A	0050 U A	0100 U V	14 20 A	1U V	0100 U V	100 U V	0500 U R
SW-034	05/24/89	Data not yet received								
SW-034	06/21/89	0400 U V	5U V	0050 U A	0100 U A	12 70 V	1U A	0100 U R	100 U A	0500 U R
SW-034	07/12/89	Data not yet received								
SW-034	08/04/89	0400 U V	5U V	0050 U R	0100 U V	10 60 V	1U V	0100 U A	100 U V	0500 U V
SW-034	09/19/89	0400 U V	5U R	0050 U A	0100 U V	13 30 V	1U A	0100 U V	100 U A	0500 U V
SW-034	10/13/89	0400 U V	5U R	0050 U A	0100 U R	13 70 V	1U A	0100 U V	100 U V	0500 U V
SW-034	11/10/89	0400 U R	5U A	0050 U V	0100 U V	13 50	1U A	0100 U V	100 U V	0500 U V
SW-034	12/15/89	0400 U V	5U V	0020 U A	0100 U V	13 30 V	217 A	0030 U A	1U A	0500 U V
SW-034	01/15/90	0200 U V	1 17 V	0020 U V	0300 U V	12 40 V	199 A	0030 U V	1U A	0100 U V
SW-034	01/15/90	0200 U V	1 16 V	0020 U V	0300 U V	12 80 V	204 A	0030 U V	1U A	0100 U V
SW-034	02/20/90	Data not yet received								
SW-034	03/23/90	0400 U	5U	0050 U	0100 U	13 50	1U	0100 U	100 U	0500 U
SW-044	05/26/87	NR	5 0 U	0 005 U	NR	NR	NR	0 01 U	NR	NR
SW-044	06/28/88	0 040 U	5U	0 005 U	0 010 U	46	0 6	0 010 U	NR	0 050 U
SW-040	04/03/89	0400 U R	5U R	0050 U R	0100 U A	34 80 V	410 V	0400 U A	100 U V	0500 U A
SW-044	05/17/89	0400 U R	5U A	0050 U V	0100 U V	24 90	1U V	0100 U A	100 U V	0500 U V
SW-040	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-044	06/21/89	0400 U V	5U A	0050 U R	0100 U A	32 80 V	1U A	0100 U R	100 U A	0500 U R
SW-040	07/18/89	0400 U V	5U A	0050 U R	0100 U A	28 V	1U V	0400 U R	100 U V	0500 U V

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn) diss mg/l
SW-033	04/04/89	0533 A
SW-033	05/24/89	Data not yet received
SW-033	06/21/89	0200 U V
SW-033	07/19/89	DRY
SW-033	08/04/89	DRY
SW-033	09/19/89	28 7 J A
SW-033	10/13/89	0200 U A
SW-033	11/13/89	0200 U A
SW-033	11/13/89	0719 A
SW-033	12/15/89	0200 U A
SW-033	01/16/90	0249
SW-033	02/20/90	Data not yet received
SW-033	03/23/90	0740
SW-034	08/20/86	0 020 U
SW-034	07/01/88	0 020
SW-034	07/01/88	0 010
SW-034	04/05/89	0211 A
SW-034	05/24/89	Data not yet received
SW-034	06/21/89	0200 U V
SW-034	07/12/89	Data not yet received
SW-034	08/04/89	0200 U A
SW-034	09/19/89	0286 V
SW-034	10/13/89	0200 U A
SW-034	11/10/89	0200 U R
SW-034	12/15/89	0200 U A
SW-034	01/15/90	0487 A
SW-034	01/15/90	0238 A
SW-034	02/20/90	Data not yet received
SW-034	03/23/90	220
SW-044	05/26/87	0 02
SW-044	06/28/88	0 1
SW-044	04/03/89	0200 U A
SW-044	05/17/89	0200 U R
SW-044	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested
SW-044	06/21/89	0200 U V
SW-044	07/18/89	0200 U A

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Station Number	Date Sampled	Aluminum (Al) diss mg/l	Antimony (Sb) diss mg/l	Arsenic (As) diss mg/l	Barium (Ba) diss mg/l	Beryllium (Be) diss mg/l	Cadmium (Cd), diss mg/l	Calcium (Ca) diss mg/l	Cesium (Cs) diss mg/l	Chromium (Cr), diss mg/l
SW-044	08/16/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U A	78 40 V	1U V	0100 U V
SW-044	09/22/89	200 U R	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	73 40 V	1U V	0100 U V
SW-044	10/19/89	0300 U V	500 U A	0020 U V	0835 V	0020 U R	0040 U A	51 20 V	0010 U V	0200 U A
SW-044	11/10/89	200 U R	0600 U V	0100 U V	200 U	0050 U A	0050 U V	73 70	1U V	0100 U V
SW-044	12/08/89	200 U V	0600 U V	0100 U A	200 U V	0050 U R	0050 U V	46 20 V	2 50 U V	0100 U A
SW-044	01/17/90	0417	500 U	0020 U	157	0020 U	0040 U	89 30	1U	0200 U
SW-044	02/19/90	Data not yet received								
SW-044	03/17/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	81 30	1U	0100 U
SW-045	05/26/87	NR	0 06 U	0 01 U	NR	NR	0 005 U	NR	0 2 U	NR
SW-045	11/17/87	0 0436	0 02 U	0 005 U	0 1547	0 005 U	0 0017	85 3425	0 02 U	0 0100 U
SW-045	06/28/88	0 200 U	0 060 U	0 010	0 200 U	0 005 U	0 005 U	78 0	NR	0 010 U
SW-045	04/04/89	200 U V	0600 U R	0100 U V	200 U V	0050 U A	0050 U R	75 V	NR	0109 A
SW-045	05/18/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U R	83 60 V	1U V	0100 U V
SW-045	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-045	06/21/89	200 U A	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	89 50 V	1U V	0100 U V
SW-045	07/18/89	200 U A	0600 U V	0100 U V	200 U V	0050 U V	0050 U V	83 20 V	1U V	0100 U V
SW-045	08/16/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U A	86 V	1U V	0100 U V
SW-045	09/22/89	200 U R	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	89 30 V	1U V	0100 U V
SW-045	10/19/89	0300 U V	500 U A	0020 U V	120 V	0020 U R	0040 U A	83 20 V	0010 U V	0200 U A
SW-045	11/10/89	200 U R	0600 U V	0100 U V	200 U	0050 U A	0050 U V	84 30	1U V	0100 U V
SW-045	12/08/89	200 U V	0600 U A	0100 U V	200 U V	0050 U V	0050 U V	81 20 V	2 50 U V	0100 U A
SW-045	01/16/90	0300 U	500 U	0020 U	143	0020 U	0040 U	93 70	1U	0200 U
SW-045	02/19/90	Data not yet received								
SW-045	02/19/90	Data not yet received								
SW-045	03/17/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	89 60	1U	0100 U
SW-046	05/26/87	NR	0 06 U	0 01 U	NR	NR	0 005 U	NR	0 2 U	NR
SW-046	06/27/88	0 200 U	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	80 6	NR	0 010 U
SW-046	04/04/89	200 U V	0600 U A	0100 U R	200 U V	0050 U A	0050 U R	82 20 V	1U R	0100 U A
SW-046	05/18/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U R	72 20 V	1U V	0100 U V
SW-046	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-046	06/21/89	200 U A	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	80 60 V	1U V	0100 U V
SW-046	07/18/89	200 U A	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	64 50 V	1U V	0100 U V
SW-046	08/16/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U A	73 50 V	1U V	0100 U V
SW-046	09/22/89	200 U R	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	69 60 V	1U V	0100 U V
SW-046	10/19/89	0300 U V	500 U A	0020 U V	120 V	0020 U R	0040 U R	83 V	0010 U V	0200 U A
SW-046	11/10/89	200 U R	0600 U V	0100 U V	200 U	0050 U R	0050 U V	81 50	1U V	0100 U V

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Station Number	Date Sampled	Cobalt (Co) diss mg/l	Copper (Cu) diss mg/l	Iron (Fe) diss mg/l	Lead (Pb) diss mg/l	Lithium (Li) diss mg/l	Magnesium (Mg) diss mg/l	Manganese (Mn), diss mg/l	Mercury (Hg), diss mg/l	Molybdenum (Mo), diss mg/l
SW-044	08/16/89	0500 U V	0250 U A	100 U V	0030 U A	100 U V	17 60 V	0150 U V	0003 V	100 U V
SW-044	09/22/89	0500 U V	0250 U V	100 U V	0050 U A	100 U V	15 60 V	0150 U V	0002 U R	100 U V
SW-044	10/19/89	0200 U V	0200 U A	0625 A	0024 A	0130 A	10 70 V	153 V	0002 U A	500 U A
SW-044	11/10/89	0500 U V	0250 U A	100 U V	0050 U V	100 U A	13 90 V	0150 U A	0002 U R	100 U V
SW-044	12/08/89	0500 U V	0250 U V	100 U V	0030 U V	100 U A	10 20 V	0231 V	NR	100 U V
SW-044	01/17/90	0200 U	0200 U	0656	0020 U	0240	19 20	102	0002 U	500 U
SW-044	02/19/90	Data not yet received								
SW-044	03/17/90	0500 U	0250 U	100 U	0050 U	100 U	16 60	0150 U	0002 U	100 U
SW-045	05/26/87	NR	NR	NR	0 005 U	0 01	NR	NR	0 0002 U	NR
SW-045	11/17/87	0 0220 U	0 0111	0 0279	0 005 U	0 01 U	19 0212	0 0060	0 0002 U	0 0220 U
SW-045	06/28/88	0 050 U	0 025 U	0 100 U	0 005 U	NR	21 0	0 015 U	0 90	NR
SW-045	04/04/89	0500 U V	0250 U R	100 U A	0050 U R	0128 V	17 80 A	0150 U A	0017 V	0100 U V
SW-045	05/18/89	0500 U V	0250 U A	100 U A	0050 U A	0178 V	19 70 V	0150 U A	0004 A	0100 U V
SW-045	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-045	06/21/89	0500 U R	0250 U R	100 U R	0050 U A	100 U A	21 20 V	0150 U V	0002 U V	100 U A
SW-045	07/18/89	0500 U V	0250 U R	100 U A	0050 U A	100 U V	20 V	0150 U V	0002 U V	100 U V
SW-045	08/16/89	0500 U V	0250 U A	100 U V	0030 U A	100 U V	20 30 V	0150 U V	0004 V	100 U V
SW-045	09/22/89	0500 U V	0250 U V	100 U V	0050 U A	100 U V	21 40 V	0150 U V	0002 A	100 U V
SW-045	10/19/89	0200 U V	0200 U A	0346 A	0020 U R	0230 A	19 60 V	0100 U V	0002 U A	500 U A
SW-045	11/10/89	0500 U V	0250 U R	100 U V	0050 U A	100 U A	20 60 V	0150 U V	0002 U R	100 U V
SW-045	12/08/89	0500 U V	0250 U V	351 V	0044 V	100 U A	20 70 V	0150 U V	NR	100 U V
SW-045	01/16/90	0200 U	0200 U	0300 U	0020 U	0280	21	0579	0002 U	500 U
SW-045	02/19/90	Data not yet received								
SW-045	02/19/90	Data not yet received								
SW-045	03/17/90	0500 U	0250 U	100 U	0050 U	100 U	22	0150 U	0002 U	100 U
SW-046	05/26/87	NR	NR	NR	0 005 U	0 01 U	NR	NR	0 0002 U	NR
SW-046	06/27/88	0 050 U	0 025 U	0 121	0 005 U	NR	23 1	0 043	0 0002 U	NR
SW-046	04/04/89	0500 U V	0250 U A	100 U A	0050 U R	0226 V	19 20 A	0173 A	0011 A	0136 A
SW-046	05/18/89	0500 U V	0250 U A	100 U A	0050 U A	0169 V	19 V	0150 U A	0004 A	0100 U V
SW-046	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-046	06/21/89	0500 U R	0250 U R	100 U R	0050 U A	100 U A	21 60 V	0150 U V	0002 U V	100 U A
SW-046	07/18/89	0500 U V	0250 U R	100 U A	0050 U A	100 U V	20 30 V	0150 U V	0002 U V	100 U V
SW-046	08/16/89	0500 U V	0250 U A	100 U V	0030 U A	100 U V	19 90 V	0150 U V	0003 V	100 U V
SW-046	09/22/89	0500 U V	0250 U V	100 U V	0050 U A	100 U V	19 70 V	0150 U V	0002 U R	100 U V
SW-046	10/19/89	0200 U V	0200 U A	0401 A	0020 U A	0240 A	19 70 V	0100 U V	0002 U A	500 U A
SW-046	11/10/89	0500 U V	0250 U R	100 U V	0050 U A	100 U A	20 80 V	0150 U V	0002 U R	100 U V

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni), diss mg/l	Potassium (K) diss mg/l	Selenium (Se) diss mg/l	Silver (Ag), diss mg/l	Sodium (Na) diss mg/l	Strontium (Sr), diss mg/l	Thallium (Tl), diss mg/l	Tin (Sn) diss mg/l	Vanadium (V), diss mg/l
SW-044	08/16/89	0400 U V	5U A	0050 U V	0100 U A	32 60 A	1U V	0100 U R	100 U V	0500 U R
SW-044	09/22/89	0400 U V	5U R	0050 U A	0100 U V	32 30 V	1U V	0100 U V	100 U V	0500 U V
SW-044	10/19/89	0200 U R	2 18 A	0020 U V	0300 U R	23 30 V	342 V	0030 U A	1U A	0100 U V
SW-044	11/10/89	0400 U A	5U A	0050 U V	0100 U V	27 70	1U A	0100 U A	100 U V	0500 U V
SW-044	12/08/89	0400 U V	9 95 V	0050 U V	0100 U R	31 30 V	345 V	0100 U A	100 U V	0500 U A
SW-044	01/17/90	0200 U	3 20	0021	0300 U	39 90	576	0030 U	1U	0100 U
SW-044	02/19/90	Data not yet received								
SW-044	03/17/90	0400 U	5U	0050 U	0100 U	39 20	1U	0100 U	100 U	0500 U
SW-045	05/26/87	NR	5 0 U	0 005 U	NR	NR	NR	0 01 U	NR	NR
SW-045	11/17/87	0 0370 U	3 8	0 018	0 0076 U	41 7614	0 6411	0 01 U	NR	0 240 U
SW-045	06/28/88	0 040 U	5 0 U	0 005 U	0 010 U	46	0 7	0 010 U	NR	0 050 U
SW-045	04/04/89	0400 U R	5U R	0050 U A	0100 U A	44 30 A	1U V	0400 U A	100 U V	0500 U A
SW-045	05/18/89	0400 U R	5U A	0050 U A	0100 U A	45 10 V	1U V	0100 U R	100 U V	0500 U A
SW-045	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-045	06/21/89	0400 U V	5U A	0050 U R	0100 U A	48 60 V	1U A	0100 U R	100 U A	0500 U R
SW-045	07/18/89	0400 U V	5U A	0055 A	0100 U R	40 30 V	1U V	0400 U R	100 U V	0500 U V
SW-045	08/16/89	0400 U V	5U A	0050 U V	0100 U A	39 20 A	1U V	0100 U R	100 U V	0500 U R
SW-045	09/22/89	0400 U V	5U A	0064 A	0100 U V	45 60 V	1U V	0100 U V	100 U V	0500 U V
SW-045	10/19/89	0200 U V	3 14 A	0020 U A	0300 U R	41 V	626 V	0030 U V	1U A	0100 U V
SW-045	11/10/89	0400 U R	5U A	0050 U V	0100 U V	41 40	1U A	0100 U A	100 U V	0500 U V
SW-045	12/08/89	0400 U V	5U V	0050 U V	0100 U R	41 50 V	682 V	0100 U A	100 U V	0500 U R
SW-045	01/16/90	0200 U	3 01	0020 U	0300 U	43	652	0030 U	1U	0100 U
SW-045	02/19/90	Data not yet received								
SW-045	02/19/90	Data not yet received								
SW-045	03/17/90	0400 U	5U	0063	0100 U	47 10	1U	0100 U	100 U	0500 U
SW-046	05/26/87	NR	5 0 U	0 005 U	NR	NR	NR	0 01 U	NR	NR
SW-046	06/27/88	0 040 U	5 0 U	0 005 U	0 010 U	45 6	0 717	0 010 U	NR	0 050 U
SW-046	04/04/89	0400 U R	5U A	0050 U A	0100 U A	44 20 A	598 V	0400 U A	100 U V	0500 U A
SW-046	05/18/89	0400 U R	5U A	0050 U A	0100 U A	43 90 V	1U V	0100 U R	100 U V	0500 U A
SW-046	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-046	06/21/89	0400 U V	5U A	0050 U A	0100 U A	49 80 V	1U A	0100 U R	100 U A	0500 U R
SW-046	07/18/89	0400 U V	5U A	0050 U A	0100 U R	42 90 V	1U V	0400 U A	100 U V	0500 U V
SW-046	08/16/89	0400 U V	5U A	0050 U V	0100 U A	38 30 A	1U V	0100 U R	100 U V	0500 U R
SW-046	09/22/89	0400 U V	5U A	0050 U A	0100 U V	42 60 V	1U V	0100 U V	100 U V	0500 U V
SW-046	10/19/89	0200 U R	3 19 A	0020 U V	0300 U R	41 40 V	627 V	0030 U V	1U A	0100 U V
SW-046	11/10/89	0400 U R	5U A	0050 U V	0100 U V	42 70	1U A	0200 U V	100 U V	0500 U V

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Station Number	Date Sampled	Zinc (Zn) diss mg/l	
SW-044	08/16/89	0200 U	R
SW-044	09/22/89	0200 U	A
SW-044	10/19/89	0233	A
SW-044	11/10/89	0200 U	R
SW-044	12/08/89	0232	A
SW-044	01/17/90	0154	
SW-044	02/19/90	Data not yet received	
SW-044	03/17/90	0200 U	
SW-045	05/26/87	0 05 U	
SW-045	11/17/87	0 0426	
SW-045	06/28/88	0 6	
SW-045	04/04/89	0265	_ _A
SW-045	05/18/89	0200 U	A
SW-045	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested	
SW-045	06/21/89	0200 U	V
SW-045	07/18/89	0200 U	A
SW-045	08/16/89	0200 U	A
SW-045	09/22/89	0765	V
SW-045	10/19/89	0256	A
SW-045	11/10/89	0200 U	A
SW-045	12/08/89	0236	A
SW-045	01/16/90	0100 U	
SW-045	02/19/90	Data not yet received	
SW-045	02/19/90	Data not yet received	
SW-045	03/17/90	0200 U	
SW-046	05/26/87	0 02 U	
SW-046	06/27/88	0 067	
SW-046	04/04/89	0362	A
SW-046	05/18/89	0200 U	V
SW-046	05/30/89	Insufficient Sample or Dissolved Metals Analysis not requested	
SW-046	06/21/89	0200 U	V
SW-046	07/18/89	0200 U	A
SW-046	08/16/89	0200 U	R
SW-046	09/22/89	0200 U	A
SW-046	10/19/89	0162	A
SW-046	11/10/89	0200 U	R

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Aluminum (Al), diss mg/l	Antimony (Sb) diss mg/l	Arsenic (As) diss mg/l	Barium (Ba) diss mg/l	Beryllium (Be), diss mg/l	Cadmium (Cd) diss mg/l	Calcium (Ca) diss mg/l	Cesium (Cs) diss mg/l	Chromium (Cr), diss mg/l
SW-046	12/08/89	200 U V	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	84 50 V	2 50 U V	0100 U A
SW-046	01/16/90	0300 U	500 U	0020 U	142	0020 U	0040 U	91 30	1U	0200 U
SW-046	02/19/90	Data not yet received								
SW-046	03/17/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	88 40	1U	0100 U
SW-066	06/29/88	0 200 U	060 U	010 U	200 U	005 U	005 U	54	NR	010 U
SW-066	03/29/89	200 U V	0600 U R	0100 U A	200 U V	0050 U A	0050 U R	51 90 V	1U V	0100 U A
SW-066	05/17/89	200 U R	0600 U A	0100 U V	200 U V	0050 U R	0050 U R	71 10	1U A	0100 U V
SW-066	06/23/89	200 U	0600 U	0100 U	200 U	0050 U	0050 U	78 10	100 U	0100 U
SW-066	07/20/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U V	68 40 V	1U V	0100 U A
SW-066	08/22/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U A	87 V	100 U V	0100 U V
SW-066	09/26/89	200 U V	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	84 90 V	1U V	0100 U V
SW-066	10/24/89	0301 A	500 U A	0020 U V	126 V	0020 U A	0040 U R	77 50 V	0010 U V	0200 U A
SW-066	11/17/89	200 U R	0600 U V	0100 U V	200 U A	0050 U A	0050 U R	79 40 A	1U R	0100 U V
SW-066	12/14/89	0302 A	500 U V	0020 U V	143 A	0020 U V	0040 U V	78 70 V	1U V	0200 U V
SW-066	01/11/90	0300 U	500 U	0020 U	120	0020 U	0040 U	75 50	1U	0200 U
SW-066	02/08/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	82 10	1U	0100 U
SW-066	03/14/90	Data not yet received								
SW-067	06/29/88	0 200 U	060 U	010 U	200 U	005 U	005 U	50	NR	010 U
SW-067	04/04/89	200 U V	0600 U R	0100 U R	200 U V	0050 U A	0050 U R	72 30 V	1U R	0100 U A
SW-067	05/17/89	200 U R	0600 U A	0100 U V	200 U V	0050 U R	0050 U A	75 20	1U A	0100 U V
SW-067	05/31/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-067	06/23/89	200 U	0600 U	0100 U	200 U	0050 U	0050 U	82	100 U	0100 U
SW-067	07/20/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U V	70 50 V	1U V	0100 U V
SW-067	08/21/89	200 U A	0600 U V	0100 U A	200 U V	0050 U A	0050 U A	84 90 V	100 U V	0100 U V
SW-067	09/26/89	200 U V	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	79 V	1U V	0100 U V
SW-067	10/24/89	0328 A	500 U A	0020 U V	134 V	0020 U A	0040 U R	78 V	0010 U V	0200 U A
SW-067	11/16/89	200 U R	0600 U V	0100 U V	200 U A	0050 U A	0050 U R	77 20 A	1U R	0100 U V
SW-067	12/14/89	0300 U A	500 U V	0020 U V	144 A	0020 U V	0040 U V	76 50 V	1U V	0200 U V
SW-067	01/11/90	0300 U	500 U	0020 U	117	0020 U	0040 U	73 10	1U	0200 U
SW-067	02/08/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	86 90	1U	0100 U
SW-067	03/15/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	71 60	1U	0100 U
SW-068	06/29/88	0 200 U	060 U	010 U	200 U	005 U	005 U	60	NR	010 U
SW-068	03/29/89	200 U V	0600 U R	0100 U A	200 U V	0050 U A	0050 U R	68 60 V	1U V	0100 U A
SW-068	05/17/89	200 U R	0600 U A	0100 U A	200 U V	0050 U R	0050 U R	73 40	1U A	0100 U V
SW-068	06/23/89	200 U	0600 U	0100 U	200 U	0050 U	0050 U	73 40	100 U	0100 U

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co) diss mg/l	Copper (Cu) diss mg/l	Iron (Fe) diss mg/l	Lead (Pb) diss mg/l	Lithium (Li), diss mg/l	Magnesium (Mg) diss mg/l	Manganese (Mn), diss mg/l	Mercury (Hg) diss mg/l	Molybdenum (Mo), diss mg/l
SW-046	12/08/89	0500 U V	0250 U V	100 U V	0030 U V	100 U B	22 80 V	0150 U V	NR	100 U V
SW-046	01/16/90	0200 U	0200 U	0433	0031	0220	22 40	0100 U	0002 U	500 U
SW-046	02/19/90	Data not yet received								
SW-046	03/17/90	0500 U	0250 U	100 U	0050 U	100 U	21 80	0150 U	0002 U	100 U
SW-066	06/29/88	05 U	025 U	100 U	005 U	NR	13	015 U	0002 U	NR
SW-066	03/29/89	0500 U V	0250 U A	100 U A	0050 U A	0124 V	11 70 V	0150 U A	0002 V	0115 V
SW-066	05/17/89	0500 U A	0250 U A	100 U A	0050 U R	0100 U A	14 60	0243 A	0002 U R	0100 U V
SW-066	06/23/89	0500 U	0250 U	100 U	0050 U	100 U	17	0262	0002 U	100 U
SW-066	07/20/89	0500 U V	0250 U A	100 U R	0050 U A	100 U V	16 50 V	0150 U V	0002 U V	100 U V
SW-066	08/22/89	0500 U V	0250 U A	100 U A	0050 U A	100 U A	18 20 V	0150 U A	0002 U V	100 U V
SW-066	09/26/89	0500 U V	0250 U V	100 U R	0050 U A	100 U V	17 50 V	0150 U A	0002 U V	100 U V
SW-066	10/24/89	0200 U A	0400 A	0918 A	0024 A	0170 V	16 60 V	0197 V	0002 U V	500 U A
SW-066	11/17/89	0500 U V	0250 U V	100 U V	0050 U V	100 U R	16 V	0150 U V	0002 A	100 U V
SW-066	12/14/89	0200 U V	0200 U A	105 A	0040 A	0120 V	16 60 V	0141 V	0002 U V	500 U A
SW-066	01/11/90	0200 U	0200 U	0427	0023	0190	15 30	0100 U	0002 U	500 U
SW-066	02/08/90	0500 U	0250 U	100 U	0050 U	100 U	17 20	0502	0002 U	100 U
SW-066	03/14/90	Data not yet received								
SW-067	06/29/88	05 U	025 U	100 U	005 U	NR	12	025	0002 U	NR
SW-067	04/04/89	0500 U V	0250 U A	100 U A	0050 U R	0178 V	15 30 A	287 V	0011 A	0137 A
SW-067	05/17/89	0500 U A	0250 U A	100 U A	0050 U R	0100 U A	15	235 A	0002 U R	0100 U V
SW-067	05/31/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-067	06/23/89	0500 U	0250 U	1 35	0050 U	100 U	17 20	714	0002 U	100 U
SW-067	07/20/89	0500 U V	0250 U A	100 U R	0050 U A	100 U V	16 80 V	0853 V	0002 U V	100 U V
SW-067	08/21/89	0500 U V	0250 U A	100 U A	0050 U A	100 U A	17 90 V	0362 V	0002 U V	100 U V
SW-067	09/26/89	0500 U V	0250 U V	100 U R	0050 U A	100 U V	16 30 V	0255 A	0002 U V	100 U V
SW-067	10/24/89	0200 U V	0412 A	162 A	0039 A	0170 V	16 60 V	170 V	0002 U V	500 U A
SW-067	11/16/89	0500 U V	0250 U V	100 U V	0050 U V	100 U R	16 V	0150 U V	0002 A	100 U V
SW-067	12/14/89	0200 U V	0200 U V	0560 A	0022 A	0110 V	16 10 V	0704 V	0002 U V	500 U A
SW-067	01/11/90	0200 U	0200 U	0912	0020 U	0180	14 80	0263	0002 U	500 U
SW-067	02/08/90	0500 U	0250 U	100 U	0050 U	100 U	18 20	0150 U	0002 U	100 U
SW-067	03/15/90	0500 U	0250 U	100 U	0050 U	100 U	14 80	0150 U	0002 U	100 U
SW-068	06/29/88	05 U	025 U	100	005 U	NR	14	06	0002 U	NR
SW-068	03/29/89	0500 U V	0250 U A	100 U A	0050 U A	0151 V	15 60 V	0204 A	0002 U V	0100 U V
SW-068	05/17/89	0500 U A	0250 U A	100 U A	0050 U R	0100 U A	15 40	0273 A	0002 U R	0100 U V
SW-068	06/23/89	0500 U	0250 U	100 U	0050 U	100 U	16 80	0308	0002 U	100 U

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni) diss mg/l	Potassium (K), diss mg/l	Selenium (Se) diss mg/l	Silver (Ag) diss mg/l	Sodium (Na) diss mg/l	Strontium (Sr) diss mg/l	Thallium (Tl), diss mg/l	Tin (Sn), diss mg/l	Vanadium (V), diss mg/l
SW-046	12/08/89	0400 U V	5U V	0050 U V	0100 U R	45 90 V	744 V	0100 U A	100 U V	0500 U R
SW-046	01/16/90	0200 U	3 13	0031	0300 U	44 40	676	0030 U	1U	0100 U
SW-046	02/19/90	Data not yet received								
SW-046	03/17/90	0400 U	5U	0051	0100 U	46 30	1U	0100 U	100 U	0500 U
SW-066	06/29/88	04 U	5 0 U	005	0 01 U	24	0 4	010 U	NR	05 U
SW-066	03/29/89	0400 U R	5U A	0050 U A	0100 U A	28 80 V	345 V	0400 U A	100 U V	0500 U A
SW-066	05/17/89	0400 U A	5U A	0050 U V	0100 U V	31 90	1U V	0400 U A	100 U V	0500 U A
SW-066	06/23/89	0400 U	5U	0050 U	0100 U	30 90	502	0100 U	100 U	0500 U
SW-066	07/20/89	0400 U A	5U A	0050 U A	0100 U R	32 V	1U V	0100 U R	100 U V	0500 U R
SW-066	08/22/89	0400 U V	5U A	0050 U V	0100 U V	33 30 V	516 A	0100 U A	100 U V	0500 U V
SW-066	09/26/89	0400 U V	5U A	0050 U R	0100 U R	32 20 V	1U V	0100 U A	100 U V	0500 U V
SW-066	10/24/89	0200 U V	2 12 A	0024 A	0300 U A	32 50 V	508 A	0030 U A	1U A	0100 U V
SW-066	11/17/89	0400 U V	5U R	0050 U V	0100 U V	31 V	1U R	0200 U A	100 U V	0500 U V
SW-066	12/14/89	0200 U V	4 37 V	0020 U A	0300 U V	35 20 V	488 A	0030 U R	1U A	0100 U V
SW-066	01/11/90	0200 U	3 99	0020 U	0300 U	31 70	437	0030 U	1U	0100 U
SW-066	02/08/90	0400 U	5U	0050 U	0100 U	42 60	1U	0100 U	100 U	0500 U
SW-066	03/14/90	Data not yet received								
SW-067	06/29/88	04 U	5 0 U	005 U	0 01 U	22	0 4	010 U	NR	05 U
SW-067	04/04/89	0400 U R	5U A	0050 U A	0100 U A	38 60 A	439 V	0400 U A	100 U V	0500 U A
SW-067	05/17/89	0400 U R	5U A	0050 U V	0100 U V	33 20	1U V	0100 U A	100 U V	0500 U V
SW-067	05/31/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-067	06/23/89	0400 U	5U	0050 U	0100 U	31 90	524	0100 U	100 U	0500 U
SW-067	07/20/89	0400 U A	5U A	0050 U R	0100 U R	32 10 V	1U V	0100 U R	100 U V	0500 U R
SW-067	08/21/89	0400 U V	5U A	0050 U A	0100 U V	36 V	505 A	0100 U A	100 U V	0500 U V
SW-067	09/26/89	0400 U V	5U A	0050 U A	0100 U R	30 40 V	1U V	0100 U A	100 U V	0500 U V
SW-067	10/24/89	0200 U V	2 21 A	0020 U V	0300 U A	31 80 V	507 A	0030 U A	1U A	0100 U V
SW-067	11/16/89	0400 U V	5U R	0050 U V	0100 U V	31 70 V	1U R	0200 U V	100 U V	0500 U A
SW-067	12/14/89	0200 U V	4 74 V	0020 U A	0300 U V	33 20 V	474 A	0030 U A	1U A	0100 U V
SW-067	01/11/90	0200 U	4 05	0020 U	0300 U	30 90	420	0030 U	1U	0100 U
SW-067	02/08/90	0400 U	5U	0050 U	0100 U	44 70	1U	0100 U	100 U	0500 U
SW-067	03/15/90	0400 U	5U	0050 U	0100 U	42 80	1U	0100 U	100 U	0500 U
SW-068	06/29/88	04 U	5 0 U	006	0 01 U	27	0 4	010 U	NR	05 U
SW-068	03/29/89	0400 U R	5U A	0050 U A	0100 U A	37 90 V	439 V	0400 U A	100 U V	0500 U A
SW-068	05/17/89	0400 U A	5U A	0050 U V	0100 U V	33 50	1U V	0100 U A	100 U V	0500 U V
SW-068	06/23/89	0400 U	5U	0050 U	0100 U	30 90	487	0100 U	100 U	0500 U

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn) diss mg/l		
SW-046	12/08/89	0200	U	A
SW-046	01/16/90	0201		
SW-046	02/19/90	Data not yet received		
SW-046	03/17/90	0200	U	
SW-066	06/29/88	1		
SW-066	03/29/89	0509		A
SW-066	05/17/89	0200	U	R
SW-066	06/23/89	0224		
SW-066	07/20/89	0230		V
SW-066	08/22/89	0269		A
SW-066	09/26/89	0200	U	A
SW-066	10/24/89	0337		A
SW-066	11/17/89	0200	U	A
SW-066	12/14/89	0142		A
SW-066	01/11/90	0100	U	
SW-066	02/08/90	0200	U	
SW-066	03/14/90	Data not yet received		
SW-067	06/29/88	03		
SW-067	04/04/89	0333		A
SW-067	05/17/89	0200	U	R
SW-067	05/31/89	Insufficient Sample or Dissolved Metals Analysis not requested		
SW-067	06/23/89	0672		
SW-067	07/20/89	0200	U	V
SW-067	08/21/89	0200	U	A
SW-067	09/26/89	0200	U	A
SW-067	10/24/89	0220		A
SW-067	11/16/89	0200	U	A
SW-067	12/14/89	0100	U	A
SW-067	01/11/90	0184		
SW-067	02/08/90	0200	U	
SW-067	03/15/90	0241		
SW-068	06/29/88	02		
SW-068	03/29/89	0200	U	A
SW-068	05/17/89	0200	U	R
SW-068	06/23/89	0433		

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Aluminum (Al) diss mg/l	Antimony (Sb), diss mg/l	Arsenic (As) diss mg/l	Barium (Ba) diss mg/l	Beryllium (Be) diss mg/l	Cadmium (Cd), diss mg/l	Calcium (Ca) diss mg/l	Cesium (Cs), diss mg/l	Chromium (Cr), diss mg/l
SW-068	07/20/89	200 U A	0600 U V	0100 U R	200 U A	0050 U V	0050 U V	45 40 V	1U V	0100 U A
SW-068	08/21/89	200 U A	0600 U V	0100 U R	200 U V	0050 U A	0050 U A	69 40 V	100 U V	0100 U V
SW-068	09/26/89	200 U V	0600 U V	0100 U V	200 U V	0050 U R	0050 U V	75 90 V	1U V	0100 U V
SW-068	10/24/89	0300 U A	500 U A	0020 U V	123 V	0020 U A	0040 U R	76 10 V	0010 U V	0200 U A
SW-068	11/16/89	200 U R	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	85 10 A	1U R	0100 U V
SW-068	12/14/89	0555 A	500 U V	0020 U V	234 A	0020 U V	0040 U V	79 10 V	1U V	0200 U V
SW-068	01/11/90	0300 U	500 U	0020 U	0774	0020 U	0040 U	34	1U	0200 U
SW-068	02/07/90	Data not yet received								
SW-068	03/15/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	72 10	1U	0100 U
SW-069	06/29/88	200 U	060 U	010 U	200 U	005 U	005 U	58	NR	010 U
SW-069	03/29/89	200 U V	0600 U R	0100 U A	200 U V	0050 U A	0050 U R	69 10 V	1U V	0100 U A
SW-069	04/05/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-069	05/16/89	200 U R	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	43 40 A	1U V	0100 U A
SW-069	06/23/89	200 U	0600 U	0100 U	200 U	0050 U	0050 U	71	100 U	0100 U
SW-069	07/20/89	200 U A	0600 U V	0100 U R	200 U A	0050 U V	0050 U V	49 30 V	1U V	0100 U A
SW-069	08/21/89	200 U A	0600 U V	0100 U R	200 U V	0050 U A	0050 U A	65 30 V	100 U V	0100 U V
SW-069	09/26/89	200 U V	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	67 60 V	1U V	0100 U V
SW-069	10/23/89	0355 A	500 U A	0020 U V	119 V	0020 U A	0040 U R	74 V	0010 U V	0200 U A
SW-069	11/16/89	200 U R	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	89 10 A	1U R	0100 U V
SW-069	12/13/89	0390 A	500 U V	0020 U V	200 V	0020 U V	0040 U A	62 40 V	1U V	0200 U V
SW-069	01/11/90	0300 U	500 U	0020 U	102	0020 U	0040 U	61 60	1U	0200 U
SW-069	02/07/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	59 40	1U	0100 U
SW-069	03/15/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	70 20	1U	0100 U
SW-070	06/29/88	200 U	060 U	010 U	200 U	005 U	005 U	56	NR	010 U
SW-070	03/29/89	200 U V	0600 U R	0100 U A	200 U V	0050 U A	0050 U R	65 20 V	1U V	0100 U A
SW-070	05/16/89	200 U R	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	37 80 A	1U V	0100 U A
SW-070	06/23/89	200 U	0600 U	0100 U	200 U	0050 U	0050 U	61 80	100 U	0100 U
SW-070	07/20/89	200 U A	0600 U V	0100 U A	200 U A	0050 U V	0050 U V	39 70 V	1U V	0100 U V
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	200 U V	0600 U V	0100 U V	200 U V	0050 U V	0050 U R	69 90 V	1U V	0100 U V
SW-070	10/23/89	0536 A	500 U A	0020 U V	0798 V	0020 U A	0040 U R	61 50 V	0010 U V	0200 U A
SW-070	10/23/89	0400 A	500 U A	0022 V	0821 V	0020 U A	0050 A	61 10 V	0010 U V	0200 U A
SW-070	11/16/89	200 U R	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	87 10 A	1U R	0100 U V
SW-070	12/13/89	0300 U A	500 U V	0020 U R	202 V	0020 U V	0040 U A	62 90 V	1U V	0200 U V
SW-070	01/11/90	0300 U	500 U	0020 U	103	0020 U	0040 U	57 10	1U	0200 U

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Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co) diss mg/l	Copper (Cu), diss mg/l	Iron (Fe) diss mg/l	Lead (Pb) diss mg/l	Lithium (Li) diss mg/l	Magnesium (Mg) diss mg/l	Manganese (Mn) diss mg/l	Mercury (Hg) diss mg/l	Molybdenum (Mo), diss mg/l
SW-068	07/20/89	0500 U V	0250 U A	100 U R	0050 U A	100 U V	16 80 V	0300 V	0002 U V	100 U V
SW-068	08/21/89	0500 U V	0250 U A	100 U A	0050 U A	100 U A	18 50 V	0177 V	0002 U V	100 U V
SW-068	09/26/89	0500 U V	0250 U V	100 U R	0050 U A	100 U V	16 80 V	0254 A	0002 U V	100 U V
SW-068	10/24/89	0200 U V	0465 A	278 A	0032 A	0170 V	16 50 V	0671 V	0002 U V	500 U A
SW-068	11/16/89	0500 U V	0250 U V	100 U V	0050 U V	100 U R	18 V	0364 V	0002 U A	100 U V
SW-068	12/14/89	0200 U V	0200 U A	357 A	0032 A	0120 V	16 80 V	174 V	0002 U V	500 U A
SW-068	01/11/90	0200 U	0200 U	0773	0020 U	0080	6 77	0323	0002 U	500 U
SW-068	02/07/90	Data not yet received								
SW-068	03/15/90	0500 U	0250 U	100 U	0050 U	100 U	14 90	0150 U	0002 U	100 U
SW-069	06/29/88	05 U	025 U	100 U	005 U	NR	13	015 U	0002 U	NR
SW-069	03/29/89	0500 U V	0250 U A	100 U A	0050 U A	0148 V	15 50 V	0236 A	0002 U V	0100 U V
SW-069	04/05/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-069	05/16/89	0500 U A	0250 U A	100 U A	0050 U A	0100 U A	9 35 V	0150 U A	0002 U R	0100 U R
SW-069	06/23/89	0500 U	0250 U	100 U	0050 U	100 U	17 10	0338	0002 U	100 U
SW-069	07/20/89	0500 U V	0250 U A	100 U R	0050 U A	100 U V	17 60 V	0268 V	0002 U V	100 U V
SW-069	08/21/89	0500 U V	0250 U A	100 U A	0050 U A	100 U A	18 60 V	0256 V	0002 U V	100 U V
SW-069	09/26/89	0500 U V	0250 U V	100 U R	0050 U A	100 U V	17 10 V	0220 A	0002 U V	100 U V
SW-069	10/23/89	0200 U A	0200 U A	0370 A	0027 A	0130 V	15 70 V	0134 A	0002 U V	500 U A
SW-069	11/16/89	0500 U V	0250 U V	100 U V	0050 U V	100 U R	19 10 V	0199 V	0002 U A	100 U V
SW-069	12/13/89	0200 U V	0302 V	139 A	0045 V	0100 V	13 20 V	0477 V	0002 U V	500 U A
SW-069	01/11/90	0200 U	0200 U	0545	0021	0160	12 50	0157	0002 U	500 U
SW-069	02/07/90	0500 U	0250 U	100 U	0050 U	100 U	12 20	0150 U	0002	100 U
SW-069	03/15/90	0500 U	0250 U	100 U	0050 U	100 U	14 50	0150 U	0002 U	100 U
SW-070	06/29/88	05 U	025 U	100 U	005 U	NR	13	015 U	0003	NR
SW-070	03/29/89	0500 U V	0250 U A	100 U A	0050 U A	0148 V	14 80 V	0278 A	0002 U V	0100 U V
SW-070	05/16/89	0500 U A	0250 U A	100 U A	0050 U A	0100 U A	8 12 V	0150 U A	0002 U R	0100 U R
SW-070	06/23/89	0500 U	0250 U	100 U	0050 U	100 U	16 50	0414	0002 U	100 U
SW-070	07/20/89	0500 U V	0250 U A	100 U R	0050 U A	100 U V	16 20 V	0722 V	0002 U V	100 U V
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	0500 U V	0250 U V	100 U R	0050 U A	100 U V	17 10 V	0207 A	0002 U V	100 U V
SW-070	10/23/89	0200 U R	0331 A	0908 A	0039 A	0110 V	15 20 V	0204 V	0002 U V	500 U A
SW-070	10/23/89	0200 U R	0385 A	0557 A	0031 A	0110 V	15 20 V	0211 V	0002 U V	500 U A
SW-070	11/16/89	0500 U V	0250 U V	100 U V	0050 U V	100 U R	19 60 V	0236 V	0002 A	100 U V
SW-070	12/13/89	0200 U V	0233 V	0958 A	0027 V	0100 V	13 50 V	0910 V	0002 U V	500 U A
SW-070	01/11/90	0200 U	0200 U	0359	0033	0110	12 10	0147	0002 U	500 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni) diss mg/l	Potassium (K) diss mg/l	Selenium (Se) diss mg/l	Silver (Ag), diss mg/l	Sodium (Na) diss mg/l	Strontium (Sr), diss mg/l	Thallium (Tl), diss mg/l	Tin (Sn), diss mg/l	Vanadium (V), diss mg/l
SW-068	07/20/89	0400 U A	5U A	0050 U R	0100 U A	32 90 V	1U V	0100 U R	100 U V	0500 U R
SW-068	08/21/89	0400 U V	5U V	0050 U V	0100 U V	36 90 V	474 A	0100 U A	100 U V	0500 U V
SW-068	09/26/89	0400 U V	5U A	0050 U A	0100 U R	31 60 V	1U V	0100 U V	100 U V	0500 U V
SW-068	10/24/89	0200 U V	2 25 A	0033 A	0300 U R	32 40 V	504 A	0030 U A	1U A	0100 U V
SW-068	11/16/89	0400 U V	5U R	0050 U V	0100 U V	35 V	1U R	0200 U A	100 U V	0500 U V
SW-068	12/14/89	0200 U V	4 83 V	0020 U A	0300 U V	35 40 V	497 A	0030 U A	1U A	0100 U V
SW-068	01/11/90	0200 U	2 47	0020 U	0300 U	14 90	201	0030 U	1U	0100 U
SW-068	02/07/90	Data not yet received								
SW-068	03/15/90	0400 U	5U	0050 U	0100 U	44 60	1U	0100 U	100 U	0500 U
SW-069	06/29/88	NR	5 0 U	005 U	0 01 U	26	0 4	010 U	NR	0 05 U
SW-069	03/29/89	0400 U R	5U A	0050 U A	0100 U A	36 80 V	439 V	0400 U A	100 U V	0500 U V
SW-069	04/05/89	Insufficient Sample or Dissolved Metals Analysis not requested								
SW-069	05/16/89	0400 U V	5U A	0050 U R	0100 U V	21 70 V	1U V	0100 U R	100 U V	0500 U A
SW-069	06/23/89	0400 U	5U	0050 U	0100 U	31 60	491	0100 U	100 U	0500 U
SW-069	07/20/89	0400 U A	5 15 A	0050 U R	0100 U R	34 40 V	1U V	0100 U R	100 U V	0500 U R
SW-069	08/21/89	0400 U V	5U A	0050 U V	0100 U V	36 10 V	466 A	0100 U A	100 U V	0500 U V
SW-069	09/26/89	0400 U V	5U R	0050 U R	0100 U R	31 80 V	1U V	0100 U V	100 U V	0500 U V
SW-069	10/23/89	0200 U V	2 60 A	0020 U V	0300 U R	31 60 V	481 A	0030 U A	1U A	0100 U R
SW-069	11/16/89	0400 U V	5U R	0050 U V	0100 U V	37 60 V	1U R	0200 U A	100 U V	0500 U V
SW-069	12/13/89	0200 U V	4 75 V	0020 U V	0300 U V	30 60 V	381 A	0030 U R	1U A	0100 U V
SW-069	01/11/90	0200 U	3 78	0020	0300 U	28 70	354	0030 U	1U	0100 U
SW-069	02/07/90	0400 U	5U	0050 U	0100 U	33	1U	0100 U	100 U	0500 U
SW-069	03/15/90	0400 U	5U	0050 U	0100 U	45 10	1U	0100 U	100 U	0500 U
SW-070	06/29/88	04 U	5 0 U	005 U	0 01 U	25	0 4	010 U	NR	0 05 U
SW-070	03/29/89	0400 U R	5U A	0050 U A	0100 U A	36 20 V	435 V	0400 U A	100 U V	0500 U A
SW-070	05/16/89	0400 U R	5U A	0050 U A	0100 U V	19 20 V	1U V	0100 U A	100 U V	0500 U A
SW-070	06/23/89	0400 U	5U	0050 U	0100 U	29 70	455	0100 U	100 U	0500 U
SW-070	07/20/89	0400 U A	5 41 A	0050 U R	0100 U R	35 30 V	1U V	0100 U R	100 U V	0500 U R
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	0400 U V	5U R	0050 U R	0100 U R	31 40 V	1U V	0100 U V	100 U V	0500 U V
SW-070	10/23/89	0200 U V	2 75 A	0020 U V	0300 U A	30 50 V	441 A	0030 U A	1U A	0100 U R
SW-070	10/23/89	0200 U V	2 75 A	0020 U V	0300 U A	30 30 V	439 A	0030 U A	1U A	0100 U R
SW-070	11/16/89	0400 U V	5U R	0050 U V	0100 U V	38 60 V	1U R	0200 U A	100 U V	0500 U V
SW-070	12/13/89	0200 U V	5 25 V	0020 U A	0300 U V	32 10 V	391 A	0030 U A	1U A	0100 U V
SW-070	01/11/90	0200 U	3 54	0020 U	0300 U	27 70	356	0030 U	1U	0100 U

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn) diss mg/l
SW-068	07/20/89	0200 U V
SW-068	08/21/89	0200 U A
SW-068	09/26/89	1 11 V
SW-068	10/24/89	0295 A
SW-068	11/16/89	0200 U A
SW-068	12/14/89	0100 U A
SW-068	01/11/90	0100 U
SW-068	02/07/90	Data not yet received
SW-068	03/15/90	0273
SW-069	06/29/88	03
SW-069	03/29/89	0200 U A
SW-069	04/05/89	Insufficient Sample or Dissolved Metals Analysis not requested
SW-069	05/16/89	0200 U R
SW-069	06/23/89	0239
SW-069	07/20/89	0200 U V
SW-069	08/21/89	0200 U A
SW-069	09/26/89	0228 A
SW-069	10/23/89	0100 U A
SW-069	11/16/89	0200 U A
SW-069	12/13/89	0100 U A
SW-069	01/11/90	0155
SW-069	02/07/90	0731
SW-069	03/15/90	0200 U
SW-070	06/29/88	06
SW-070	03/29/89	0256 A
SW-070	05/16/89	0200 U R
SW-070	06/23/89	0209
SW-070	07/20/89	0200 U V
SW-070	08/14/89	Data not yet received
SW-070	08/14/89	Data not yet received
SW-070	09/26/89	0248 A
SW-070	10/23/89	0144 A
SW-070	10/23/89	0131 A
SW-070	11/16/89	0200 U A
SW-070	12/13/89	0100 U A
SW-070	01/11/90	0100 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications; V = Valid

Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Aluminum (Al) diss mg/l	Antimony (Sb) diss mg/l	Arsenic (As) diss mg/l	Barium (Ba) diss mg/l	Beryllium (Be), diss mg/l	Cadmium (Cd) diss mg/l	Calcium (Ca) diss mg/l	Cesium (Cs), diss mg/l	Chromium (Cr), diss mg/l
SW-070	02/07/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	61 30	1U	0100 U
SW-070	03/15/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	63 50	1U	0100 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications; V = Valid

Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co) diss mg/l	Copper (Cu) diss mg/l	Iron (Fe), diss mg/l	Lead (Pb) diss mg/l	Lithium (Li), diss mg/l	Magnesium (Mg) diss mg/l	Manganese (Mn), diss mg/l	Mercury (Hg), diss mg/l	Molybdenum (Mo), diss mg/l
SW-070	02/07/90	0500 U	0250 U	100 U	0050 U	100 U	12 90	0150 U	0002	100 U
SW-070	03/15/90	0500 U	0250 U	100 U	0050 U	100 U	13 10	0150 U	0002 U	100 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni) diss mg/l	Potassium (K) diss mg/l	Selenium (Se) diss mg/l	Silver (Ag) diss mg/l	Sodium (Na), diss mg/l	Strontium (Sr) diss mg/l	Thallium (Tl), diss mg/l	Tin (Sn) diss mg/l	Vanadium (V), diss mg/l
SW-070	02/07/90	0400 U	5U	0050 U	0100 U	40 10	1U	0100 U	100 U	0500 U
SW-070	03/15/90	0400 U	5U	0050 U	0100 U	44	1U	0100 U	100 U	0500 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Dissolved Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn) diss mg/l
SW-070	02/07/90	0200 U
SW-070	03/15/90	0200 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

APPENDIX C-3

TOTAL METALS

Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Aluminum (Al) total mg/l	Antimony (Sb) total mg/l	Arsenic (As) total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd) total mg/l	Calcium (Ca) total mg/l	Cesium (Cs) total mg/l	Chromium (Cr), total mg/l
SW-031	08/20/86	Insufficient Sample or Total Metals Analysis not requested								
SW-031	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-031	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-031	06/28/88	1 0	0 060 U	0 10 U	0 200 U	0 005 U	0 005 U	59 5	NR	0 010 U
SW-031	03/30/89	200 U V	0600 U A	0100 U A	200 U V	0050 U V	0050 U A	68 90 V	1U V	0100 U A
SW-031	05/17/89	200 U R	0600 U A	0100 U V	200 U V	0050 U R	0050 U A	70 90	1U A	0100 U V
SW-031	06/27/89	15 80 V	0600 U A	0100 U A	333 V	0050 U A	0050 U A	121 A	1U V	0183 A
SW-031	07/21/89	508 V	0600 U V	0100 U R	200 U V	0050 U V	0050 U V	81 30 V	1U V	0100 U A
SW-031	08/22/89	225 A	0600 U V	0100 U A	200 U V	0050 U A	0050 U A	87 20 V	100 U V	0100 U V
SW-031	09/26/89	200 U V	0600 U V	0100 U V	200 U V	0050 U V	0050 U V	83 V	1U V	0100 U V
SW-031	10/24/89	0730 A	500 U A	0020 U V	116 V	0020 U A	0040 U R	73 20 V	0010 U V	0200 U A
SW-031	11/17/89	471 A	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	75 60 A	1U R	0100 U V
SW-031	12/14/89	54 10 V	500 U V	0045 V	692 A	0035 V	0040 U V	110 V	1U V	0621 V
SW-031	01/11/90	3 39	500 U	0020 U	155	0020 U	0040 U	77 60	1U	0200 U
SW-031	02/20/90	Data not yet received								
SW-031	03/14/90	906	0600 U	0100 U	200 U	0050 U	0050 U	66 30	1U	0100 U
SW-032	08/20/86	Insufficient Sample or Total Metals Analysis not requested								
SW-032	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-032	07/30/87	Insufficient Sample or Total Metals Analysis not requested								
SW-032	11/11/87	Insufficient Sample or Total Metals Analysis not requested								
SW-032	06/21/88	0 302	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	44 7	NR	0 010 U
SW-032	06/21/88	0 244	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	47 7	NR	0 010 U
SW-032	04/05/89	200 U A	0600 U A	0100 U V	200 U V	0050 U A	0050 U A	41 40 V	1U R	0100 U A
SW-032	05/24/89	Data not yet received								
SW-032	06/21/89	200 U A	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	45 90 V	1U V	0100 U V
SW-032	07/19/89	458 A	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	43 70 V	1U V	0100 U V
SW-032	08/04/89	24 80 V	0600 U A	0100 U A	387 V	0050 U A	0050 U V	72 10 V	1U V	0222 V
SW-032	09/19/89	5 84 R	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	53 20 V	1U V	0100 U V
SW-032	10/13/89	200 U V	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	53 30 V	1U V	0100 U V
SW-032	11/13/89	200 U R	0600 U V	0100 U A	200 U A	0050 U R	0050 U R	44 80 A	1U R	0100 U V
SW-032	12/15/89	200 U A	0600 U V	0020 U V	200 U V	0050 U V	0050 U V	45 30 V	1U V	0100 U V
SW-032	01/16/90	203	500 U	0020 U	0803	0020 U	0040 U	46 40	1U	0200 U
SW-032	02/20/90	Data not yet received								
SW-032	03/23/90	1 75	0600 U	0100 U	200 U	0050 U	0050 U	35 60	1U	0100 U
SW-033	08/21/86	DRY								
SW-033	07/01/88	0 200 U	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	43	NR	0 010 U

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co) total mg/l	Copper (Cu), total mg/l	Iron (Fe) total mg/l	Lead (Pb) total mg/l	Lithium (Li) total mg/l	Magnesium (Mg) total mg/l	Manganese (Mn) total mg/l	Mercury (Hg) total mg/l	Molybdenum (Mo), total mg/l
SW-031	08/20/86	Insufficient Sample or Total Metals Analysis not requested								
SW-031	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-031	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-031	06/28/88	0 050 U	0 025 U	0 80	0 005 U	NR	13 1	0 03	3 97	NR
SW-031	03/30/89	0500 U V	0250 U V	318 A	0050 U R	0100 U V	14 60 A	0407 V	0002 U V	0100 U V
SW-031	05/17/89	0500 U A	0250 U A	377 V	0050 U R	0100 U A	14 70	0242 A	0002 U R	0100 U V
SW-031	06/27/89	0500 U V	0350 V	15 10 A	0196 V	100 U A	19 10 V	322 V	0002 U V	100 U A
SW-031	07/21/89	0500 U V	0250 U R	282 A	0050 U A	100 U V	18 10 V	0157 V	0002 U V	100 U V
SW-031	08/22/89	0500 U V	0250 U A	121 V	0144 A	100 U A	17 80 V	0150 U V	0002 U V	100 U V
SW-031	09/26/89	0500 U V	0250 U V	100 U R	0050 U A	100 U V	17 10 V	0150 U R	0002 U V	100 U V
SW-031	10/24/89	0200 U V	0276 A	104 A	0020 U A	0170 V	15 70 V	0100 U A	0002 U V	500 U A
SW-031	11/17/89	0500 U V	0250 V	100 U A	0050 U V	100 U R	15 10 V	0150 U V	0002 A	100 U V
SW-031	12/14/89	0266 V	0722 V	55 80 V	0625 V	0370 V	27 70 V	746 V	0002 U V	500 U A
SW-031	01/11/90	0200 U	0200 U	3 81	0052	0200	15 90	0935	0002 U	500 U
SW-031	02/20/90	Data not yet received								
SW-031	03/14/90	0500 U	0250 U	39M	0050 U	100 U	13 80	0150 U	0002 U	100 U
SW-032	08/20/86	Insufficient Sample or Total Metals Analysis not requested								
SW-032	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-032	07/30/87	Insufficient Sample or Total Metals Analysis not requested								
SW-032	11/11/87	Insufficient Sample or Total Metals Analysis not requested								
SW-032	06/21/88	0 050 U	0 025 U	0 400	0 005 U	NR	6 8 U	0 025	0 0002 U	NR
SW-032	06/21/88	0 050 U	0 025 U	0 366	0 005 U	NR	7 1	0 027	0 0002 U	NR
SW-032	04/05/89	0500 U V	0250 U A	240 A	0050 U V	0105 V	7 24 V	0161 A	0002 A	0209 V
SW-032	05/24/89	Data not yet received								
SW-032	06/21/89	0500 U R	0250 U R	165 A	0050 U A	100 U A	8 54 V	0166 V	0002 U V	100 U A
SW-032	07/19/89	0500 U V	0250 U R	396 A	0050 U A	100 U V	5 44 V	0150 U V	0002 U V	100 U V
SW-032	08/04/89	0500 U A	0252 V	22 20 V	0248 V	100 U V	11 20 V	622 V	0002 U R	100 U V
SW-032	09/19/89	0500 U V	0250 U V	4 16 V	0050 U R	100 U A	8 40 V	0551 V	0002 U R	100 U A
SW-032	10/13/89	0500 U V	0250 U V	100 U R	0050 U A	100 U A	8 81 V	0150 U A	0002 U V	100 U V
SW-032	11/13/89	0500 U V	0250 U V	100 U A	0050 U V	100 U R	7 37 V	0150 U V	0002 U A	100 U V
SW-032	12/15/89	0500 U V	0250 U V	115 A	0035 A	5U V	7 17 V	0150 U V	0002 U V	100 U A
SW-032	01/16/90	0200 U	0200 U	220	0020 U	0110	7 88	0100 U	0002 U	500 U
SW-032	02/20/90	Data not yet received								
SW-032	03/23/90	0500 U	0250 U	1 09	0050 U	100 U	5 78	0150 U	0002 U	100 U
SW 033	08/21/86	DRY								
SW-033	07/01/88	0 050 U	0 025 U	0 30	0 005 U	NR	11	0 06	0 0002 U	NR

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications; V = Valid

Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni) total mg/l	Potassium (K) total mg/l	Selenium (Se) total mg/l	Silver (Ag) total mg/l	Sodium (Na) total mg/l	Strontium (Sr), total mg/l	Thallium (Tl), total mg/l	Tin (Sn) Total mg/l	Vanadium (V), total mg/l
SW-031	08/20/86	Insufficient Sample or Total Metals Analysis not requested								
SW-031	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-031	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-031	06/28/88	0 040 U	5U	0 005 U	0 010 U	28 1	0 4	0 010 U	NR	0 050 U
SW-031	03/30/89	0400 U A	5U V	0050 U A	0100 U V	36 60 V	406 V	0100 U A	100 U V	0500 U V
SW-031	05/17/89	0400 U A	5U A	0250 U V	0100 U V	31 50	1U V	0100 U A	100 U V	0500 U V
SW-031	06/27/89	0400 U A	5U A	0050 U A	0100 U A	33 80 V	1U V	0100 U A	111 A	0630 V
SW-031	07/21/89	0400 U A	5U A	0050 U R	0100 U R	33 10 V	1U V	0100 U R	100 U V	0500 U R
SW-031	08/22/89	0400 U V	5U A	0050 U V	0100 U V	31 40 V	504 A	0100 U A	100 U V	0500 U V
SW-031	09/26/89	0400 U V	5U A	0050 U A	0233 A	31 60 V	1U V	0100 U A	100 U V	0500 U V
SW-031	10/24/89	0200 U V	2 64 A	0020 U V	0300 U R	30 50 V	471 A	0030 U A	1U A	0100 U V
SW-031	11/17/89	0400 U V	5U R	0050 U V	0100 U V	30 30 V	1U R	0200 U A	100 U V	0500 U A
SW-031	12/14/89	0601 V	10 70 V	0100 U A	0300 U V	32 50 V	755 V	0030 U A	1U A	135 V
SW-031	01/11/90	0200 U	4 26	0020 U	0300 U	30 80	448	0030 U	1U	0100 U
SW-031	02/20/90	Data not yet received								
SW-031	03/14/90	0400 U	5U	0050 U	0100 U	34 10	1U	0100 U	100 U	0500 U
SW-032	08/20/86	Insufficient Sample or Total Metals Analysis not requested								
SW-032	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-032	07/30/87	Insufficient Sample or Total Metals Analysis not requested								
SW-032	11/11/87	Insufficient Sample or Total Metals Analysis not requested								
SW-032	06/21/88	0 040 U	5 0 U	0 007	0 010 U	14 0	0 252	0 010 U	NR	0 050 U
SW-032	06/21/88	0 040 U	5 0 U	0 007	0 010 U	14 8	0 294	0 010 U	NR	0 050 U
SW-032	04/05/89	0400 U R	5U A	0050 U A	0100 U V	20 50 R	1U V	0100 U A	100 U V	0500 U R
SW-032	05/24/89	Data not yet received								
SW-032	06/21/89	0400 U V	5U A	0050 U R	0100 U A	23 10 V	1U A	0100 U R	100 U A	0500 U R
SW-032	07/19/89	0400 U V	5U V	0050 U R	0100 U R	11 60 V	1U V	0100 U R	100 U V	0500 U V
SW-032	08/04/89	0400 U V	5U V	0050 U A	0100 U V	12 40 V	1U V	0100 U V	100 U V	0621 A
SW-032	09/19/89	0400 U V	5U R	0050 U A	0100 U V	17 70 V	1U A	0100 U V	100 U A	0500 U V
SW-032	10/13/89	0400 U V	5U R	0050 U A	0100 U R	20 V	1U A	0100 U V	100 U V	0500 U V
SW-032	11/13/89	0400 U V	5U R	0050 U V	0100 U V	16 90 V	1U R	0100 U V	100 U V	0500 U V
SW-032	12/15/89	0400 U V	5U V	0020 U A	0100 U V	15 20 V	198 A	0030 U R	1U A	0500 U V
SW-032	01/16/90	0200 U	1 10	0020 U	0300 U	17 60	221	0030 U	1U	0100 U
SW-032	02/20/90	Data not yet received								
SW-032	03/23/90	0400 U	5U	0050 U	0100 U	14 90	1U	0100 U	100 U	0500 U
SW-033	08/21/86	DRY								
SW-033	07/01/88	0 040 U	5 0 U	0 020	0 07	26	0 30	0 010 U	NR	0 050 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn) total mg/l		
SW-031	08/20/86	Insufficient Sample or Total Metals Analysis not requested		
SW-031	05/26/87	Insufficient Sample or Total Metals Analysis not requested		
SW-031	05/26/87	Insufficient Sample or Total Metals Analysis not requested		
SW-031	06/28/88	0 09		
SW-031	03/30/89	0200	U	A
SW-031	05/17/89	0200	U	R
SW-031	06/27/89	182		V
SW-031	07/21/89	0200	U	V
SW-031	08/22/89	0200	U	A
SW-031	09/26/89	0438		A
SW-031	10/24/89	0279		A
SW-031	11/17/89	0331		A
SW-031	12/14/89	478		V
SW-031	01/11/90	110		
SW-031	02/20/90	Data not yet received		
SW-031	03/14/90	0898		
SW-032	08/20/86	Insufficient Sample or Total Metals Analysis not requested		
SW-032	05/26/87	Insufficient Sample or Total Metals Analysis not requested		
SW-032	07/30/87	Insufficient Sample or Total Metals Analysis not requested		
SW-032	11/11/87	Insufficient Sample or Total Metals Analysis not requested		
SW-032	06/21/88	0 063		
SW-032	06/21/88	0 093		
SW-032	04/05/89	0645		A
SW-032	05/24/89	Data not yet received		
SW-032	06/21/89	0200	U	V
SW-032	07/19/89	107		A
SW-032	08/04/89	153		V
SW-032	09/19/89	201		A
SW-032	10/13/89	0200	U	A
SW-032	11/13/89	0200	U	A
SW-032	12/15/89	0200	U	A
SW-032	01/16/90	0183		
SW-032	02/20/90	Data not yet received		
SW-032	03/23/90	336		
SW-033	08/21/86	DRY		
SW-033	07/01/88	0 030		

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Aluminum (Al) total mg/l	Antimony (Sb) total mg/l	Arsenic (As) total mg/l	Barium (Ba) total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd) total mg/l	Calcium (Ca) total mg/l	Cesium (Cs) total mg/l	Chromium (Cr), total mg/l
SW-033	04/04/89	200 U A	0600 U R	0100 U V	200 U V	0050 U A	0050 U R	26 V	1U R	0100 U A
SW-033	05/24/89	Data not yet received								
SW-033	06/21/89	544 V	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	69 10 V	1U V	0100 U V
SW-033	07/19/89	DRY								
SW-033	08/04/89	DRY								
SW-033	09/19/89	200 U V	0600 U R	0100 U A	200 U V	0050 U V	0050 U V	42 10 V	1U V	0100 U V
SW-033	10/13/89	200 U V	0600 U A	0100 U V	200 U V	0050 U V	0050 U R	39 V	1U V	0100 U V
SW-033	11/13/89	200 U R	0600 U V	0100 U A	200 U A	0050 U A	0050 U R	37 80 A	1U R	0100 U V
SW-033	11/13/89	200 U R	0600 U V	0100 U A	200 U A	0050 U A	0050 U R	35 80 A	1U R	0100 U V
SW-033	12/15/89	200 U A	0600 U V	0020 U V	200 U V	0050 U V	0050 U V	33 80 V	1U V	0100 U V
SW-033	01/16/90	0383	500 U	0020 U	0728	0020 U	0068	40	1U	0200 U
SW-033	02/20/90	Data not yet received								
SW-033	03/23/90	2 71	0600 U	0100 U	200 U	0050 U	0050 U	21	1U	0100 U
SW-034	08/20/86	Insufficient Sample or Total Metals Analysis not requested								
SW-034	07/01/88	0 30	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	45	NR	0 010 U
SW-034	07/01/88	0 200 U	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	45	NR	0 010 U
SW-034	04/05/89	200 U V	0600 U A	0100 U V	200 U V	0050 U A	0050 U A	58 20 V	1U R	0100 U A
SW-034	05/24/89	Data not yet received								
SW-034	06/21/89	386 V	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	42 90 V	1U V	0100 U V
SW-034	07/12/89	200 U R	0600 U V	0100 U V	200 U V	0050 U V	0050 U A	43 A	1U R	0100 U V
SW-034	08/04/89	2 70 V	0600 U A	0100 U V	200 U A	0050 U R	0050 U V	48 20 V	1U V	0100 U R
SW-034	09/19/89	317 V	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	53 20 V	1U V	0100 U V
SW-034	10/13/89	716 V	0600 U A	0100 U V	200 U V	0050 U R	0050 U V	56 30 V	1U V	0100 U V
SW-034	11/10/89	200 U A	0600 U V	0100 U V	200 U	0050 U A	0050 U V	80 80 V	1U V	0100 U V
SW-034	12/15/89	4 67 V	0600 U V	0020 V	200 U V	0050 U V	0050 U V	64 10 V	1U V	0107 V
SW-034	01/15/90	183 V	500 U V	0020 U V	0778 V	0020 U V	0040 U V	48 40 V	1U V	0200 U V
SW-034	01/15/90	186 V	500 U V	0020 U V	0813 V	0020 U V	0040 U V	50 20 V	1U V	0200 U V
SW-034	02/20/90	Data not yet received								
SW-034	03/23/90	870	0600 U	0100 U	200 U	0050 U	0050 U	48 10	1U	0100 U
SW-044	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-044	06/28/88	43 7	0 060 U	0 010 U	1 1	0 005 U	0 005 U	120 4	NR	0 040 U
SW-044	04/03/89	200 U A	0600 U R	0100 U R	200 U V	0050 U A	0050 U R	58 70 V	1U V	0100 U A
SW-044	05/17/89	200 U A	0600 U A	0100 U V	200 U V	0050 U R	0050 U R	66 90	1U A	0100 U V
SW-044	05/30/89	Insufficient Sample or Total Metals Analysis not requested								
SW-044	06/21/89	2 68 V	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	78 V	1U V	0100 U V
SW-044	07/18/89	43 20 A	0600 U V	0100 U A	632 V	0050 U V	0050 U V	160 V	1U V	0471 V

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu) total mg/l	Iron (Fe) total mg/l	Lead (Pb) total mg/l	Lithium (Li) total mg/l	Magnesium (Mg) total mg/l	Manganese (Mn) total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-033	04/04/89	0500 U V	0250 U A	100 U A	0250 U A	0106 V	5 84 A	0150 U A	0004 A	0189 A
SW-033	05/24/89	Data not yet received								
SW-033	06/21/89	0500 U R	0250 U R	435 V	0050 U R	100 U A	6 46 V	0150 U V	0002 U V	100 U A
SW-033	07/19/89	DRY								
SW-033	08/04/89	DRY								
SW-033	09/19/89	0500 U V	0250 U V	100 U V	0050 U R	100 U A	10 10 V	0150 U V	0002 U R	100 U A
SW-033	10/13/89	0500 U V	0250 U V	100 U R	0050 U A	100 U A	9 V	0150 U A	0002 U V	100 U V
SW-033	11/13/89	0500 U V	0250 U A	108 V	0050 U A	100 U R	8 43 V	0150 U V	0002 A	100 U V
SW-033	11/13/89	0500 U V	0250 U A	100 U A	0050 U A	100 U R	7 92 V	0150 U V	0002 A	100 U V
SW-033	12/15/89	0500 U V	0250 U A	200 V	0029 A	5U V	7 58 V	0150 U A	0002 U V	100 U A
SW-033	01/16/90	0200 U	0200 U	198	0020 U	0090	8 62	0100 U	0002 U	500 U
SW-033	02/20/90	Data not yet received								
SW-033	03/23/90	0500 U	0250 U	2 07	0050 U	100 U	5U	0394	0002 U	100 U
SW-034	08/20/86	Insufficient Sample or Total Metals Analysis not requested								
SW-034	07/01/88	0 050 U	0 025 U	0 20	0 005 U	NR	6	0 015 U	0 0002 U	NR
SW-034	07/01/88	0 050 U	0 025 U	0 20	0 005 U	NR	6	0 015 U	0 0002 U	NR
SW-034	04/05/89	0500 U V	0250 U A	202 A	0050 U V	0105 V	7 63 V	0150 U A	0004 A	0180 V
SW-034	05/24/89	Data not yet received								
SW-034	06/21/89	0500 U R	0250 U A	531 V	0050 U R	100 U A	10 V	0551 V	0002 U V	100 U A
SW-034	07/12/89	0500 U V	0250 U V	120 A	0050 U A	100 U R	5 86 A	0150 U V	0002 U V	100 U V
SW-034	08/04/89	0500 U V	0250 U R	2 29 V	0050 U A	100 U V	6 10 V	0692 V	0002 U R	100 U V
SW-034	09/19/89	0500 U V	0250 U V	237 V	0050 U A	100 U A	6 92 V	0203 A	0002 U R	100 U A
SW-034	10/13/89	0500 U V	0250 U V	457 V	0050 U A	100 U A	7 05 V	0227 A	0002 U V	100 U V
SW-034	11/10/89	0500 U V	0250 U R	160 A	0050 U V	100 U A	15 30 V	0150 U V	0002 U R	100 U V
SW-034	12/15/89	0500 U V	0250 U A	4 30 V	0120 V	5U V	8 05 V	234 V	0002 U V	100 U A
SW-034	01/15/90	0200 U R	0200 U R	180 A	0021 A	0090 A	6 48 V	0100 U V	0002 U V	500 U A
SW-034	01/15/90	0200 U R	0200 U R	199 A	0029 A	0090 A	6 73 V	0100 U V	0002 U V	500 U A
SW-034	02/20/90	Data not yet received								
SW-034	03/23/90	0500 U	0250 U	484	0050 U	100 U	6 52	0150 U	0002 U	100 U
SW-044	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-044	06/28/88	0 050 U	0 050	40 1	0 005 U	NR	29 1	0 65	1 27	NR
SW-044	04/03/89	0500 U A	0250 U R	373 V	0050 U A	0100 U V	13 60 V	0204 V	0006 A	0100 U V
SW-044	05/17/89	0500 U A	0250 U A	432 V	0050 U R	0100 U A	12 10	0293 A	0002 U R	0100 U V
SW-044	05/30/89	Insufficient Sample or Total Metals Analysis not requested								
SW-044	06/21/89	0500 U R	0250 U A	2 45 V	0050 U A	100 U A	16 20 V	0621 V	0002 U V	100 U A
SW-044	07/18/89	0500 U V	0777 V	36 A	0494 A	100 U V	27 20 V	830 V	0002 U V	100 U V

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni) total mg/l	Potassium (K) total mg/l	Selenium (Se) total mg/l	Silver (Ag) total mg/l	Sodium (Na) total mg/l	Strontium (Sr) total mg/l	Thallium (Tl) total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-033	04/04/89	0400 U R	5U A	0050 U A	0100 U A	24 40 A	158 V	0400 U A	100 U V	0500 U V
SW-033	05/24/89	Data not yet received								
SW-033	06/21/89	0400 U V	5U V	0050 U A	0100 U A	12 70 V	1U A	0100 U R	100 U A	0500 U R
SW-033	07/19/89	DRY								
SW-033	08/04/89	DRY								
SW-033	09/19/89	0400 U V	5U R	0147 A	0100 U V	31 20 V	1U A	0100 U V	100 U A	0500 U V
SW-033	10/13/89	0400 U V	5U A	0074 A	0100 U R	23 80 V	1U A	0100 V	100 U V	0500 U V
SW-033	11/13/89	0400 U V	5U R	0050 U A	0100 U V	21 70 V	1U R	0100 U V	100 U V	0500 U A
SW-033	11/13/89	0400 U V	5U V	0050 U A	0100 U V	19 90 V	1U R	0100 U V	100 U V	0500 U V
SW-033	12/15/89	0400 U V	5U A	0022 A	0100 U V	17 80 V	194 A	0030 U A	1U A	0500 U V
SW-033	01/16/90	0200 U	960	0028	0300 U	21 10	226	0030 U	1U	0100 U
SW-033	02/20/90	Data not yet received								
SW-033	03/23/90	0400 U	5U	0050 U	0100 U	14 60	1U	0100 U	100 U	0500 U
SW-034	08/20/86	Insufficient Sample or Total Metals Analysis not requested								
SW-034	07/01/88	0 040 U	5 0 U	0 005 U	0 010 U	9	0 200 U	0 010 U	NR	0 050 U
SW-034	07/01/88	0 040 U	5 0 U	0 007	0 010 U	10	0 200	0 010 U	NR	0 050 U
SW-034	04/05/89	0400 U R	5U A	0050 U A	0100 U V	15 10 A	1U	0100 U V	100 U V	0500 U R
SW-034	05/24/89	Data not yet received								
SW-034	06/21/89	0400 U V	5U A	0050 U A	0100 U A	29 70 V	1U A	0100 U A	100 U A	0500 U R
SW-034	07/12/89	0400 U V	5U R	0050 U R	0100 U A	11 A	1U R	0100 U V	100 U V	0500 U V
SW-034	08/04/89	0400 U V	5U V	0050 U A	0100 U V	11 90 V	1U V	0100 U V	100 U V	0500 U A
SW-034	09/19/89	0400 U V	5U R	0050 U A	0100 U V	13 20 V	1U A	0100 U V	100 U A	0500 U V
SW-034	10/13/89	0400 U V	5U A	0050 U V	0100 U R	12 70 V	1U A	0100 V	100 U V	0500 U V
SW-034	11/10/89	0400 U A	5U A	0050 U V	0100 U V	30 20	1U A	0200 U V	100 U V	0500 U V
SW-034	12/15/89	0400 U A	5U V	0100 U V	0100 U V	12 90 V	232 A	0030 U R	1U A	0500 U V
SW-034	01/15/90	0200 U V	1 09 V	0020 U A	0300 U V	12 20 V	198 A	0030 U V	1U A	0100 U V
SW-034	01/15/90	0200 U V	1 18 V	0020 U A	0300 U V	12 60 V	204 A	0030 U V	1U A	0100 U V
SW-034	02/20/90	Data not yet received								
SW-034	03/23/90	0400 U	5U	0050 U	0103	13 60	1U	0100 U	100 U	0500 U
SW-044	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-044	06/28/88	0 040 U	7 7	0 007	0 010 U	50 5	0 9	0 010 U	NR	0 10
SW-044	04/03/89	0400 U R	5U R	0250 U A	0100 U A	33 10 V	400 V	0400 U A	100 U V	0500 U A
SW-044	05/17/89	0400 U A	5U A	0250 U V	0100 U V	26 60	1U V	0100 U A	100 U V	0500 U V
SW-044	05/30/89	Insufficient Sample or Total Metals Analysis not requested								
SW-044	06/21/89	0400 U V	5U A	0050 U R	0100 U A	30 V	1U A	0100 U A	100 U A	0500 U A
SW-044	07/18/89	0400 U V	6 10 V	0050 U R	0100 U A	35 50 V	1U V	0100 U R	122 V	117 V

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn) total mg/l		
SW-033	04/04/89	0568		A
SW-033	05/24/89	Data not yet received		
SW-033	06/21/89	0200	U	V
SW-033	07/19/89	DRY		
SW-033	08/04/89	DRY		
SW-033	09/19/89	0200	U	V
SW-033	10/13/89	0200	U	V
SW-033	11/13/89	0589		A
SW-033	11/13/89	0200	U	A
SW-033	12/15/89	0226		A
SW-033	01/16/90	0318		
SW-033	02/20/90	Data not yet received		
SW-033	03/23/90	312		
SW-034	08/20/86	Insufficient Sample or Total Metals Analysis not requested		
SW-034	07/01/88	0 010		
SW-034	07/01/88	0 020		
SW-034	04/05/89	0434		A
SW-034	05/24/89	Data not yet received		
SW-034	06/21/89	0347		A
SW-034	07/12/89	0200	U	V
SW-034	08/04/89	192		V
SW-034	09/19/89	0705		V
SW-034	10/13/89	0200	U	R
SW-034	11/10/89	0200	U	R
SW-034	12/15/89	0411		A
SW-034	01/15/90	0402		A
SW-034	01/15/90	0294		A
SW-034	02/20/90	Data not yet received		
SW-034	03/23/90	0953		
SW-044	05/26/87	Insufficient Sample or Total Metals Analysis not requested		
SW-044	06/28/88	0 29		
SW-044	04/03/89	0483		A
SW-044	05/17/89	0279		A
SW-044	05/30/89	Insufficient Sample or Total Metals Analysis not requested		
SW-044	06/21/89	0584		A
SW-044	07/18/89	784		A

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Aluminum (Al) total mg/l	Antimony (Sb) total mg/l	Arsenic (As) total mg/l	Barium (Ba) total mg/l	Beryllium (Be) total mg/l	Cadmium (Cd) total mg/l	Calcium (Ca) total mg/l	Cesium (Cs) total mg/l	Chromium (Cr), total mg/l
SW-044	08/16/89	371 A	0600 U V	0100 U R	200 U V	0050 U V	0050 U A	79 V	1U V	0100 U V
SW-044	09/22/89	473 A	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	72 80 V	1U V	0100 U V
SW-044	10/19/89	6 21 V	500 U A	0040 A	245 V	0020 U R	0040 U R	69 90 V	0010 U V	0200 U A
SW-044	11/10/89	200 U V	0600 U A	0100 U V	200 U	0050 U A	0050 U V	55 30	1U V	0100 U V
SW-044	12/08/89	1 20 V	0600 U V	0100 U A	200 U V	0050 U R	0050 U A	43 40 V	2 50 U V	0100 U A
SW-044	01/17/90	Data not yet received								
SW-044	02/19/90	Data not yet received								
SW-044	03/17/90	231	0600 U	0100 U	200 U	0050 U	0050 U	80	1U	0100 U
SW-045	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-045	11/17/87	Insufficient Sample or Total Metals Analysis not requested								
SW-045	06/28/88	1 1	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	76 7	NR	0 010 U
SW-045	04/04/89	356 A	0600 U R	0100 U R	200 U V	0050 U A	0050 U R	84 40 V	1U R	0100 U A
SW-045	05/18/89	200 U A	0600 U V	0100 U R	200 U V	0050 U A	0050 U R	83 30 V	1U V	0100 U V
SW-045	05/30/89	Insufficient Sample or Total Metals Analysis not requested								
SW-045	06/21/89	1 13 V	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	87 40 V	1U V	0100 U V
SW-045	07/18/89	603 A	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	84 V	1U V	0100 U V
SW-045	08/16/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U A	86 60 V	1U V	0100 U V
SW-045	09/22/89	200 U R	0600 U R	0100 U V	200 U V	0050 U V	0050 U A	88 30 V	1U V	0100 U V
SW-045	10/19/89	0300 U V	500 U A	0020 U A	120 V	0020 U R	0040 U R	78 30 V	0010 U V	0200 U A
SW-045	11/10/89	200 U V	0600 U V	0100 U V	200 U	0050 U A	0050 U V	86 60	1U V	0100 U V
SW-045	12/08/89	200 U V	0600 U V	0100 U V	200 U V	0050 U R	0050 U V	86 40 V	2 50 U V	0100 U V
SW-045	01/16/90	8 75	500 U	0020 U	250	0020 U	0040 U	108	1U	0200 U
SW-045	02/19/90	Data not yet received								
SW-045	02/19/90	Data not yet received								
SW-045	03/17/90	273	0600 U	0100 U	200 U	0050 U	0050 U	87 70	1U	0100 U
SW-046	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-046	06/27/88	1 27	0 060 U	0 010 U	0 200 U	0 005 U	0 005 U	82 5	NR	0 010 U
SW-046	04/04/89	314 A	0600 U A	0100 U V	200 U V	0050 U A	0050 U A	81 20 V	1U R	0100 U A
SW-046	05/18/89	245 A	0600 U V	0100 U R	200 U V	0050 U V	0050 U R	73 40 V	1U V	0100 U V
SW-046	05/30/89	Insufficient Sample or Total Metals Analysis not requested								
SW-046	06/21/89	200 U A	0600 U R	0100 U V	200 U V	0050 U V	0050 U V	78 70 V	1U V	0100 U V
SW-046	07/18/89	6 51 A	0600 U V	0100 U V	200 U V	0050 U V	0050 U V	81 50 V	1U V	0100 U V
SW-046	08/16/89	200 U A	0600 U V	0100 U R	200 U V	0050 U V	0050 U A	73 70 V	1U V	0100 U A
SW-046	09/22/89	200 U R	0600 U R	0100 U A	200 U V	0050 U V	0050 U V	70 70 V	1U V	0100 U V
SW-046	10/19/89	0535 V	500 U A	0020 U V	123 V	0020 U R	0040 U R	81 40 V	0010 U V	0200 U A
SW-046	11/10/89	200 U R	0600 U V	0100 U V	200 U	0050 U A	0050 U V	85 50	1U V	0100 U V

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu), total mg/l	Iron (Fe), total mg/l	Lead (Pb) total mg/l	Lithium (Li), total mg/l	Magnesium (Mg) total mg/l	Manganese (Mn), total mg/l	Mercury (Hg), total mg/l	Molybdenum (Mo), total mg/l
SW-044	08/16/89	0500 U V	0250 U A	241 A	0030 U A	100 U V	17 90 V	0150 U V	0002 U V	100 U V
SW-044	09/22/89	0500 U V	0250 U V	322 V	0050 U R	100 U V	15 50 V	0150 U A	0002 U R	100 U V
SW-044	10/19/89	0200 U A	0430 A	6 50 V	0228 V	0180 A	13 10 V	356 V	0002 U A	500 U A
SW-044	11/10/89	0500 U V	0250 U R	100 U A	0050 U V	100 U A	6 81 V	0150 U V	0002 U R	100 U V
SW-044	12/08/89	0500 U V	0250 U V	1 45 V	0059 V	100 U A	9 80 V	0323 V	NR	100 U V
SW-044	01/17/90	Data not yet received								
SW-044	02/19/90	Data not yet received								
SW-044	03/17/90	0500 U	0250 U	227	0050 U	100 U	16 10	0180	0002 U	100 U
SW-045	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-045	11/17/87	Insufficient Sample or Total Metals Analysis not requested								
SW-045	06/28/88	0 050 U	0 025 U	1 2	0 005 U	NR	18 2	0 045	0 70	NR
SW-045	04/04/89	0500 U V	0250 U A	635 A	0050 U R	0206 V	18 40 A	0207 V	0007 A	0100 U V
SW-045	05/18/89	0500 U V	0250 U A	204 A	0050 U A	0171 V	19 30 V	0150 U A	0002 U V	0100 U V
SW-045	05/30/89	Insufficient Sample or Total Metals Analysis not requested								
SW-045	06/21/89	0500 U R	0250 U A	1 06 V	0050 U R	100 U A	20 40 V	0230 V	0002 U V	100 U A
SW-045	07/18/89	0500 U V	0250 U A	548 A	0050 U A	100 U V	20 10 V	0150 U V	0002 U V	100 U V
SW-045	08/16/89	0500 U V	0250 U A	100 U V	0030 U A	100 U V	20 70 V	0150 U V	0002 U V	100 U V
SW-045	09/22/89	0500 U V	0250 U V	100 U V	0050 U A	100 U V	21 30 V	0150 U V	0002 U R	100 U V
SW-045	10/19/89	0200 U A	0200 U A	145 A	0020 U R	0230 A	18 90 V	0100 U A	0002 U A	500 U A
SW-045	11/10/89	0500 U V	0250 U R	100 U V	0050 U V	100 U A	21 V	0150 U V	0002 U R	100 U V
SW-045	12/08/89	0500 U V	0250 U V	100 U V	0030 U V	100 U A	22 V	0150 U V	NR	100 U V
SW-045	01/16/90	0200 U	0200 U	8 91	0144	0310	23 80	162	0002 U	500 U
SW-045	02/19/90	Data not yet received								
SW-045	02/19/90	Data not yet received								
SW-045	03/17/90	0500 U	0250 U	150	0050 U	100 U	21 10	0150 U	0002 U	100 U
SW-046	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-046	06/27/88	0 050 U	0 025 U	1 806	0 005 U	NR	22 7	0 136	0 0002 U	NR
SW-046	04/04/89	0500 U V	0250 U A	548 A	0050 U R	0240 V	18 50 A	0222 V	0005 A	0149 A
SW-046	05/18/89	0500 U V	0250 U A	613 A	0050 U A	0167 V	19 V	0150 U A	0002 U V	0100 U V
SW-046	05/30/89	Insufficient Sample or Total Metals Analysis not requested								
SW-046	06/21/89	0500 U R	0250 U R	100 U A	0050 U R	100 U A	21 V	0150 U V	0002 U V	100 U A
SW-046	07/18/89	0500 U V	0250 U A	6 17 A	0050 U A	100 U V	22 V	0555 V	0002 U V	100 U V
SW-046	08/16/89	0500 U V	0250 U A	137 A	0030 U A	100 U V	20 10 V	0150 U V	0002 U V	100 U V
SW-046	09/22/89	0500 U V	0250 U V	100 U V	0050 U A	100 U V	20 10 V	0150 U V	0002 A	100 U V
SW-046	10/19/89	0200 U V	0200 U A	0751 A	0020 U R	0240 A	19 90 V	0100 U V	0002 U A	500 U A
SW-046	11/10/89	0500 U V	0250 U V	100 U V	0050 U V	100 U A	21 80 V	0150 U V	0002 U R	100 U V

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K) total mg/l	Selenium (Se) total mg/l	Silver (Ag), total mg/l	Sodium (Na) total mg/l	Strontium (Sr) total mg/l	Thallium (Tl) total mg/l	Tin (Sn), Total mg/l	Vanadium (V), total mg/l
SW-044	08/16/89	0400 U V	5U A	0050 U V	0100 U A	33 90 A	1U V	100 U R	100 U V	0500 U R
SW-044	09/22/89	0400 U V	5U R	0050 U A	0100 U V	31 20 V	1U V	0100 U V	100 U V	0500 U V
SW-044	10/19/89	0200 U A	2 88 A	0020 V	0300 U R	22 60 V	406 V	0030 U V	1U A	0142 A
SW-044	11/10/89	0400 U A	5U A	0050 U V	0100 U V	13 60	1U A	0100 U V	100 U V	0500 U V
SW-044	12/08/89	0400 U V	8 23 V	0050 U V	0100 U R	28 50 V	324 V	0100 U A	100 U V	0500 U A
SW-044	01/17/90	Data not yet received								
SW-044	02/19/90	Data not yet received								
SW-044	03/17/90	0400 U	5U	0050 U	0100 U	39 20	1U	0100 U	100 U	0500 U
SW-045	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-045	11/17/87	Insufficient Sample or Total Metals Analysis not requested								
SW-045	06/28/88	0 040 U	5 0 U	0 005 U	0 010 U	43 2	0 6	0 010 U	NR	0 050 U
SW-045	04/04/89	0400 U R	5U A	0050 U A	0100 U A	43 10 A	590 V	0400 U A	100 U V	0500 U A
SW-045	05/18/89	0400 U R	5U A	0050 U A	0100 U A	44 70 V	1U V	0100 U A	100 U V	0500 U A
SW-045	05/30/89	Insufficient Sample or Total Metals Analysis not requested								
SW-045	06/21/89	0400 U V	5U A	0050 U R	0100 U A	46 40 V	1U A	0100 U R	100 U A	0500 U R
SW-045	07/18/89	0400 U V	5U A	0050 U A	0100 U A	44 70 V	1U V	0100 U A	100 U V	0500 U V
SW-045	08/16/89	0400 U V	5U A	0050 U A	0100 U A	41 10 A	1U V	100 U R	100 U V	0500 U R
SW-045	09/22/89	0400 U V	5U A	0050 U A	0100 U V	45 80 V	1U V	0100 U V	100 U V	0500 U V
SW-045	10/19/89	0200 U A	3 23 A	0023 A	0300 U R	38 70 V	610 V	0030 U V	1U A	0100 U V
SW-045	11/10/89	0400 U R	5U A	0063 V	0100 U V	43 20	1U A	0200 U V	100 U V	0500 U V
SW-045	12/08/89	0400 U V	5U V	0050 U V	0100 U R	44 20 V	731 V	0100 U A	100 U V	0500 U R
SW-045	01/16/90	0200 U	4 56	0071	0300 U	44 50	748	0030 U	1U	0245
SW-045	02/19/90	Data not yet received								
SW-045	02/19/90	Data not yet received								
SW-045	03/17/90	0400 U	5U	0050 U	0100 U	45 80	1U	0100 U	100 U	0500 U
SW-046	05/26/87	Insufficient Sample or Total Metals Analysis not requested								
SW-046	06/27/88	0 040 U	5 0 U	0 005 U	0 014	44 4	0 727	0 010 U	NR	0 050 U
SW-046	04/04/89	0400 U R	5U A	0050 V	0100 U A	43 20 A	580 V	0400 U A	100 U V	0500 U A
SW-046	05/18/89	0400 U R	5U A	0050 U A	0100 U A	43 90 V	1U V	0100 U A	100 U V	0500 U A
SW-046	05/30/89	Insufficient Sample or Total Metals Analysis not requested								
SW-046	06/21/89	0400 U V	5U A	0050 U R	0100 U A	47 30 V	1U A	0100 U R	100 U A	0500 U R
SW-046	07/18/89	0400 U V	5U A	0050 U A	0100 U R	45 90 V	1U V	0100 U R	100 U V	0500 U A
SW-046	08/16/89	0400 U V	5U A	0050 U V	0100 U A	40 20 A	1U V	100 U R	100 U V	0500 U R
SW-046	09/22/89	0400 U V	5U A	0050 U A	0100 U V	42 40 V	1U V	0100 U V	100 U V	0500 U V
SW-046	10/19/89	0200 U R	3 16 A	0020 U A	0300 U A	41 40 V	627 V	0030 U V	1U A	0100 U V
SW-046	11/10/89	0400 U R	5U A	0055 V	0100 U V	45 20	1U A	0200 U A	100 U V	0500 U V

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn) total mg/l	
SW-044	08/16/89	0200 U	A
SW-044	09/22/89	204	V
SW-044	10/19/89	350	A
SW-044	11/10/89	0200 U	R
SW-044	12/08/89	0773	V
SW-044	01/17/90	Data not yet received	
SW-044	02/19/90	Data not yet received	
SW-044	03/17/90	0760	
SW-045	05/26/87	Insufficient Sample or Total Metals Analysis not requested	
SW-045	11/17/87	Insufficient Sample or Total Metals Analysis not requested	
SW-045	06/28/88	0 19	
SW-045	04/04/89	0640	A
SW-045	05/18/89	0559	A
SW-045	05/30/89	Insufficient Sample or Total Metals Analysis not requested	
SW-045	06/21/89	0549	A
SW-045	07/18/89	192	A
SW-045	08/16/89	0291	A
SW-045	09/22/89	0723	V
SW-045	10/19/89	0507	A
SW-045	11/10/89	0276	A
SW-045	12/08/89	0388	A
SW-045	01/16/90	277	
SW-045	02/19/90	Data not yet received	
SW-045	02/19/90	Data not yet received	
SW-045	03/17/90	116	
SW-046	05/26/87	Insufficient Sample or Total Metals Analysis not requested	
SW-046	06/27/88	0 147	
SW-046	04/04/89	0609	A
SW-046	05/18/89	0913	V
SW-046	05/30/89	Insufficient Sample or Total Metals Analysis not requested	
SW-046	06/21/89	0200 U	V
SW-046	07/18/89	153	A
SW-046	08/16/89	0200 U	A
SW-046	09/22/89	0450	A
SW-046	10/19/89	0388	A
SW-046	11/10/89	0200 U	R

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Aluminum (Al) total mg/l	Antimony (Sb) total mg/l	Arsenic (As), total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd) total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-046	12/08/89	200 U V	0600 U V	0100 U V	200 U V	0050 U R	0050 U V	80 80 V	2 50 U V	0100 U A
SW-046	01/16/90	0559	500 U	0020 U	148	0020 U	0040 U	91 70	1U	0200 U
SW-046	02/19/90	Data not yet received								
SW-046	03/17/90	200 U	0600 U	0100 U	200 U	0050 U	0050 U	88	1U	0100 U
SW-066	06/29/88	6 0	060 U	010 U	0 200 U	0 005 U	0 005 U	59 9	NR	0 01 U
SW-066	03/29/89	2 25 A	0600 U R	0100 U A	200 U V	0050 U A	0050 U R	75 50 V	1U V	0100 U A
SW-066	05/17/89	200 U A	0600 U A	0100 U A	200 U V	0050 U R	0050 U A	71 30	1U A	0100 U V
SW-066	06/23/89	734	0600 U	0100 U	200 U	0050 U	0050 U	69 80	100 U	0100 U
SW-066	07/20/89	1 21 V	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	70 20 V	1U V	0100 U A
SW-066	08/22/89	222 A	0600 U V	0100 U R	200 U V	0050 U A	0050 U A	90 50 V	100 U V	0100 U V
SW-066	09/26/89	200 U V	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	79 90 V	1U V	0100 U V
SW-066	10/24/89	958 A	500 U A	0020 U V	125 V	0020 U A	0040 U R	71 70 V	0010 U V	0200 U A
SW-066	11/17/89	200 U A	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	77 A	1U R	0100 U V
SW-066	12/14/89	7 63 A	500 U V	0020 U V	262 A	0020 U V	0040 U V	92 V	1U V	0200 U V
SW-066	01/11/90	2 64	500 U	0020 U	153	0020 U	0040 U	76 40	1U	0200 U
SW-066	02/08/90	8 52	0640	0100 U	318	0050 U	0050 U	117	1U	0123
SW-066	03/14/90	Data not yet received								
SW-067	06/29/88	1 7	060 U	010 U	0 200 U	0 005 U	0 005 U	60 0	NR	0 01 U
SW-067	04/04/89	53 60 A	0600 U A	0100 U V	609 V	0173 V	0050 U A	109 V	1U R	0673 V
SW-067	05/17/89	57 60 V	0600 U A	0100 U V	610 V	0152 V	0050 U A	112	1U A	0688 V
SW-067	05/31/89	Insufficient Sample or Total Metals Analysis not requested								
SW-067	06/23/89	48 30	0600 U	0100	775	0149	0050 U	104	100 U	0517
SW-067	07/20/89	8 54 V	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	75 80 V	1U V	0100 U A
SW-067	08/21/89	525 A	0600 U V	0100 U A	200 U V	0050 U A	0050 U A	80 70 V	100 U V	0100 U V
SW-067	09/26/89	7 31 V	0600 U A	0100 U A	200 U V	0050 U A	0050 U R	76 60 V	1U V	0100 U V
SW-067	10/24/89	171 A	500 U A	0020 U V	141 V	0020 U A	0040 U A	78 50 V	0010 U V	0200 U A
SW-067	11/16/89	200 U A	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	77 A	1U R	0100 U V
SW-067	12/14/89	5 71 A	500 U V	0020 U V	195 A	0020 U V	0040 U V	82 V	1U V	0200 U V
SW-067	01/11/90	5 76	500 U	0020	196	0020 U	0040 U	78 30	1U	0200 U
SW-067	02/08/90	1 66	0600 U	0100 U	200 U	0050 U	0050 U	74 60	1U	0100 U
SW-067	03/15/90	1 42	0600 U	0100 U	200 U	0050 U	0050 U	70 90	1U	0100 U
SW-068	06/29/88	2 3	060 U	010 U	0 200 U	0 005 U	0 005 U	62 7	NR	0 01 U
SW-068	03/29/89	1 03 A	0600 U R	0100 U A	200 U V	0050 U A	0050 U R	75 80 V	1U V	0100 U A
SW-068	05/17/89	200 U R	0600 U A	0100 U A	200 U V	0050 U A	0050 U V	73 80	1U A	0100 U V
SW-068	06/23/89	697	0600 U	0100 U	200 U	0050 U	0050 U	74 20	100 U	0100 U

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co) total mg/l	Copper (Cu) total mg/l	Iron (Fe) total mg/l	Lead (Pb) total mg/l	Lithium (Li) total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn), total mg/l	Mercury (Hg) total mg/l	Molybdenum (Mo), total mg/l
SW-046	12/08/89	0500 U V	0250 U V	100 U V	0030 U V	100 U A	21 80 V	0150 U V	NR	100 U V
SW-046	01/16/90	0200 U	0200 U	125	0020 U	0220	22 40	0100 U	0002 U	500 U
SW-046	02/19/90	Data not yet received								
SW-046	03/17/90	0500 U	0250 U	100 U	0050 U	100 U	21 70	0150 U	0002 U	100 U
SW-066	06/29/88	0 05 U	0 025 U	5 89	005 U	NR	14 6	0 084	0003	NR
SW-066	03/29/89	0500 U V	0250 U A	2 26 A	0143 A	0167 V	17 40 V	0659 A	0002 U V	0100 U V
SW-066	05/17/89	0500 U A	0250 U A	449 V	0050 U R	0100 U A	14 60	0182 A	0002 U R	0100 U V
SW-066	06/23/89	0500 U	0304	939	0500 U	100 U	15 60	0308	0002 U	100 U
SW-066	07/20/89	0500 U V	0250 U A	727 A	0050 U A	100 U V	16 40 V	0150 U V	0002 U V	100 U V
SW-066	08/22/89	0500 U V	0250 U A	121 V	0050 U A	100 U A	18 80 V	0150 U V	0002 U V	100 U V
SW-066	09/26/89	0500 U V	0250 U V	100 U R	0050 U A	100 U V	16 50 V	0150 U R	0002 U V	100 U V
SW-066	10/24/89	0200 U A	0315 A	748 A	0045 A	0170 V	15 30 V	0198 V	0002 U V	500 U A
SW-066	11/17/89	0500 U V	0250 U V	119 V	0050 U V	100 U R	15 50 V	0150 U V	0002 A	100 U V
SW-066	12/14/89	0200 U A	0329 A	8 85 V	0330 V	0170 V	19 30 V	184 V	0002 U V	500 U A
SW-066	01/11/90	0200 U	0200 U	2 70	0075	0200	15 40	0951	0002 U	500 U
SW-066	02/08/90	0500 U	0378	10 30	0304	100 U	21 30	438	0005	100 U
SW-066	03/14/90	Data not yet received								
SW-067	06/29/88	0 05 U	0 025 U	1 29	005 U	NR	14 0	0 052	0004	NR
SW-067	04/04/89	0500 U V	0829 V	48 20 A	0732 V	0531 V	25 A	1 10 V	0009 A	0378 A
SW-067	05/17/89	0500 U V	114 V	57 10 V	0696 V	0436 A	26 90	1 19 A	0002 A	0469 A
SW-067	05/31/89	Insufficient Sample or Total Metals Analysis not requested								
SW-067	06/23/89	0500 U	0748	48 60	0738	100 U	27 50	1 19	0002 U	100 U
SW-067	07/20/89	0500 U V	0250 U A	6 84 V	0050 U A	100 U V	18 20 V	124 V	0002 U V	100 U V
SW-067	08/21/89	0500 U V	0250 U A	695 V	0050 U A	100 U A	17 30 V	0435 V	0002 U V	100 U V
SW-067	09/26/89	0500 U V	0250 U V	5 67 V	0050 U A	100 U V	16 50 V	0808 V	0002 U V	100 U V
SW-067	10/24/89	0200 U V	0228 A	673 A	0026 A	0170 V	16 30 V	277 V	0002 U V	500 U A
SW-067	11/16/89	0500 U V	0250 U V	202 V	0050 U V	100 U R	16 V	0183 V	0002 A	100 U V
SW-067	12/14/89	0200 U A	0200 U A	5 14 V	0106 V	0150 V	17 70 V	114 V	0002 U V	500 U A
SW-067	01/11/90	0200 U	0228	7 20	0143	0220	16 20	150	0002 U	500 U
SW-067	02/08/90	0500 U	0250 U	1 98	0050 U	100 U	15 40	0688	0005	100 U
SW-067	03/15/90	0500 U	0250 U	1 27	0050 U	100 U	14 60	0292	0002 U	100 U
SW-068	06/29/88	0 05 U	0 025 U	1 49	005 U	NR	14 1	0 088	0003	NR
SW-068	03/29/89	0500 U V	0250 U A	1 30 A	0050 U A	0156 V	15 70 V	0890 A	0002 U V	0107 V
SW-068	05/17/89	0500 U A	0250 U A	252 V	0050 U R	0100 U A	15 60	0272 A	0043 V	0277 A
SW-068	06/23/89	0500 U	0250 U	768	0050 U	100 U	16 30	0928	0002 U	100 U

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K) total mg/l	Selenium (Se) total mg/l	Silver (Ag), total mg/l	Sodium (Na), total mg/l	Strontium (Sr) total mg/l	Thallium (Tl), total mg/l	Tin (Sn) Total mg/l	Vanadium (V), total mg/l
SW-046	12/08/89	0400 U V	5U V	0050 U V	0100 U R	43 80 V	711 V	0100 U A	100 U V	0500 U R
SW-046	01/16/90	0200 U	3 14	0040	0300 U	44 30	678	0030 U	1U	0100 U
SW-046	02/19/90	Data not yet received								
SW-046	03/17/90	0400 U	5U	0050 U	0100 U	46 40	1U	0100 U	100 U	0500 U
SW-066	06/29/88	0 04 U	5U	005 U	0 01 U	24 7	0 4	010 U	NR	0 05 U
SW-066	03/29/89	0400 U R	5U A	0050 U A	0100 U A	42 70 V	495 V	0400 U V	100 U V	0500 U A
SW-066	05/17/89	0400 U A	5U A	0250 U V	0100 U V	33	1U V	0100 U A	100 U V	0500 U A
SW-066	06/23/89	0400 U	5U	0050 U	0100 U	28 60	463	0100 U	100 U	0500 U
SW-066	07/20/89	0400 U A	5U A	0050 U R	0100 U R	33 20 V	1U V	0100 U R	100 U V	0500 U A
SW-066	08/22/89	0400 U V	5U A	0050 U V	0100 U V	35 10 V	530 A	0100 U A	100 U V	0500 U V
SW-066	09/26/89	0400 U V	5U A	0050 U R	0100 U R	31 V	1U V	0100 U V	100 U V	0500 U V
SW-066	10/24/89	0200 U V	2 60 A	0020 U A	0300 U R	29 90 V	457 A	0030 U A	1U A	0100 U V
SW-066	11/17/89	0400 U V	5U R	0050 U V	0100 U V	31 10 V	1U R	0200 U V	100 U V	0500 U V
SW-066	12/14/89	0200 U V	5 71 V	0020 U A	0300 U V	34 60 V	550 A	0030 U A	1U A	0173 V
SW-066	01/11/90	0200 U	4 30	0022	0300 U	30 50	438	0030 U	1U	0100 U
SW-066	02/08/90	0400 U	5U	0050 U	0100 U	46	1U	0100 U	100 U	0500 U
SW-066	03/14/90	Data not yet received								
SW-067	06/29/88	0 04 U	5U	005 U	0 01 U	26 0	0 5	010 U	NR	0 05 U
SW-067	04/04/89	0400 U A	9 88 A	0050 U A	0100 U A	39 30 A	640 V	0400 U A	100 U V	145 V
SW-067	05/17/89	0671 A	9 78 A	0250 U V	0100 U A	33 80	1U V	0100 U A	100 U V	152 V
SW-067	05/31/89	Insufficient Sample or Total Metals Analysis not requested								
SW-067	06/23/89	0464	7 80	0050 U	0112	30 60	678	0100 U	100 U	150
SW-067	07/20/89	0400 U A	5 08 A	0050 U R	0100 U R	33 70 V	1U V	0100 U R	100 U V	0500 U A
SW-067	08/21/89	0400 U V	5U A	0050 U V	0100 U V	33 50 V	494 A	0100 U A	100 U V	0500 U V
SW-067	09/26/89	0400 U V	5U A	0050 U R	0100 U R	29 V	1U V	0100 U V	100 U V	0500 U V
SW-067	10/24/89	0200 U V	2 66 A	0020 U V	0300 U A	30 70 V	494 A	0030 U A	1U A	0100 U V
SW-067	11/16/89	0400 U V	5U R	0050 U V	0100 U V	32 40 V	1U R	0200 U V	100 U V	0500 U A
SW-067	12/14/89	0200 U V	5 87 V	0020 U A	0300 U V	34 20 V	504 A	0030 U A	1U A	0108 V
SW-067	01/11/90	0200 U	4 87	0020 U	0300 U	29 90	445	0030 U	1U	0148
SW-067	02/08/90	0400 U	5U	0050 U	0100 U	37 10	1U	0100 U	100 U	0500 U
SW-067	03/15/90	0400 U	5U	0050 U	0100 U	41 70	1U	0100 U	100 U	0500 U
SW-068	06/29/88	0 04 U	5U	005 U	0 02 U	26 3	0 4	010 U	NR	0 05 U
SW-068	03/29/89	0400 U R	5U A	0050 U A	0100 U A	37 90 V	439 V	0400 U A	100 U V	0500 U A
SW-068	05/17/89	0400 U A	5U A	0050 U A	0100 U V	34 20	1U V	0400 U A	100 U V	0500 U V
SW-068	06/23/89	0400 U	5U	0050 U	0100 U	29 50	476	0100 U	100 U	0500 U

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Zinc (Zn) total mg/l	
SW-046	12/08/89	0287	A
SW-046	01/16/90	0313	
SW-046	02/19/90	Data not yet received	
SW-046	03/17/90	0311	
SW-066	06/29/88	0 14	
SW-066	03/29/89	0709	V
SW-066	05/17/89	0200 U	R
SW-066	06/23/89	0468	
SW-066	07/20/89	0294	V
SW-066	08/22/89	0200 U	A
SW-066	09/26/89	0277	A
SW-066	10/24/89	0481	A
SW-066	11/17/89	0200 U	A
SW-066	12/14/89	218	V
SW-066	01/11/90	0880	
SW-066	02/08/90	587	
SW-066	03/14/90	Data not yet received	
SW-067	06/29/88	0 03	
SW-067	04/04/89	510	V
SW-067	05/17/89	776	V
SW-067	05/31/89	Insufficient Sample or Total Metals Analysis not requested	
SW-067	06/23/89	386	
SW-067	07/20/89	0722	V
SW-067	08/21/89	0303	A
SW-067	09/26/89	587	V
SW-067	10/24/89	0233	A
SW-067	11/16/89	0200 U	A
SW-067	12/14/89	0838	V
SW-067	01/11/90	183	
SW-067	02/08/90	106	
SW-067	03/15/90	0837	
SW-068	06/29/88	0 05	
SW-068	03/29/89	0528	A
SW-068	05/17/89	0200 U	R
SW-068	06/23/89	0473	

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Aluminum (Al) total mg/l	Antimony (Sb), total mg/l	Arsenic (As) total mg/l	Barium (Ba) total mg/l	Beryllium (Be) total mg/l	Cadmium (Cd) total mg/l	Calcium (Ca), total mg/l	Cesium (Cs) total mg/l	Chromium (Cr) total mg/l
SW-068	07/20/89	473 A	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	46 70 V	1U V	0100 U V
SW-068	08/21/89	308 A	0600 U V	0100 U R	200 U V	0050 U A	0050 U A	69 30 V	100 U V	0100 U V
SW-068	09/26/89	1 89 V	0600 U V	0100 U V	200 U V	0050 U A	0050 U R	76 90 V	1U V	0100 U V
SW-068	10/24/89	786 A	500 U A	0020 U V	120 V	0020 U A	0040 U R	71 60 V	0010 U V	0200 U A
SW-068	11/16/89	200 U A	0600 U V	0100 U V	200 U A	0050 U R	0050 U R	85 60 A	1U R	0100 U V
SW-068	12/14/89	13 50 V	500 U V	0063 V	734 A	0020 U V	0040 U V	160 V	1U V	0218 V
SW-068	01/11/90	316	500 U	0020 U	126	0020 U	0040 U	70 10	1U	0200 U
SW-068	02/07/90	2 47	0600 U	0100 U	228	0050 U	0050 U	62 10	1U	0100 U
SW-068	03/15/90	237	0600 U	0100 U	200 U	0050 U	0050 U	70 90	1U	0100 U
SW-069	06/29/88	3 0	060 U	010 U	0 200 U	0 005 U	0 005 U	61 6	NR	0 01 U
SW-069	03/29/89	1 04 A	0600 U R	0100 U A	200 U V	0050 U A	0050 U R	68 60 V	1U V	0100 U A
SW-069	04/05/89	Insufficient Sample or Total Metals Analysis not requested								
SW-069	05/16/89	200 U R	0600 U V	0100 U A	200 U V	0050 U R	0050 U R	43 90 A	1U V	0100 U A
SW-069	06/23/89	392	0600 U	0100 U	200 U	0050 U	0050 U	68 70	100 U	0100 U
SW-069	07/20/89	849 A	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	55 70 V	1U V	0100 U A
SW-069	08/21/89	831 V	0600 U V	0100 U A	200 U V	0050 U A	0050 U A	72 V	100 U V	0100 U V
SW-069	09/26/89	1 36 V	0600 U V	0100 U A	3 33 V	0050 U A	0050 U R	66 V	1U V	0100 U V
SW-069	10/23/89	289 V	500 U A	0020 V	122 V	0020 U A	0040 U A	74 40 V	0010 U V	0200 U A
SW-069	11/16/89	211 A	0600 U V	0100 U A	220 A	0050 U R	0050 U R	89 20 A	1U R	0100 U V
SW-069	12/13/89	7 60 V	500 U V	0020 U R	694 V	0020 U V	0040 U A	97 10 V	1U V	0200 U V
SW-069	01/11/90	334	500 U	0020 U	112	0020 U	0040 U	63 10	1U	0200 U
SW-069	02/07/90	742	0600 U	0100 U	200 U	0050 U	0050 U	69 40	1U	0100 U
SW-069	03/15/90	320	0600 U	0100 U	200 U	0050 U	0050 U	66 10	1U	0100 U
SW-070	06/29/88	2 6	060 U	010 U	0 200 U	0 005 U	0 005 U	55 8	NR	0 01 U
SW-070	03/29/89	1 19 A	0600 U R	0100 U A	200 U V	0050 U A	0050 U R	68 60 V	1U V	0100 U A
SW-070	05/16/89	398 V	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	37 90 A	1U V	0100 U A
SW-070	06/23/89	556	0600 U	0100 U	204	0050 U	0050 U	61 40	100 U	0100 U
SW-070	07/20/89	1 60 V	0600 U V	0100 U A	200 U V	0050 U V	0050 U V	38 60 V	1U V	0100 U V
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	516 V	0600 U V	0100 U V	200 U V	0050 U R	0050 U R	74 20 V	1U V	0100 U V
SW-070	10/23/89	711 V	500 U A	0020 U A	0867 V	0020 U A	0040 U R	60 V	0010 U V	0406 V
SW-070	10/23/89	636 V	500 U A	0023 V	0900 V	0020 U A	0040 U R	59 90 V	0010 U V	0200 U A
SW-070	11/16/89	200 U A	0600 U V	0100 U A	200 U A	0050 U R	0050 U R	84 20 A	1U R	0100 U V
SW-070	12/13/89	32 70 V	500 U V	0091 A	794 V	0020 U V	0040 U A	157 V	1U V	.0324 V
SW-070	01/11/90	585	500 U	0020 U	109	0020 U	0040 U	56 10	1U	0200 U

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Cobalt (Co) total mg/l	Copper (Cu) total mg/l	Iron (Fe) total mg/l	Lead (Pb) total mg/l	Lithium (Li) total mg/l	Magnesium (Mg), total mg/l	Manganese (Mn) total mg/l	Mercury (Hg) total mg/l	Molybdenum (Mo), total mg/l
SW-068	07/20/89	0500 U V	0250 U A	635 A	0050 U A	100 U V	15 30 V	189 V	0002 U V	100 U V
SW-068	08/21/89	0500 U V	0250 U A	312 V	0050 U A	100 U A	17 60 V	0274 V	0002 U V	100 U V
SW-068	09/26/89	0500 U V	0250 U V	1 66 V	0050 U A	100 U V	16 10 V	0492 V	0002 U V	100 U V
SW-068	10/24/89	0200 U A	0320 A	858 A	0030 A	0170 V	15 40 V	0821 V	0002 U V	500 U A
SW-068	11/16/89	0500 U V	0250 U V	282 V	0050 U V	100 U R	18 10 V	0473 V	0002 A	100 U V
SW-068	12/14/89	0200 U A	0391 V	15 90 V	0278 V	0230 V	22 50 V	395 V	0002 V	500 U A
SW-068	01/11/90	0200 U	0200 U	626	0020 U	0180	14	0305	0002 U	500 U
SW-068	02/07/90	0500 U	0250 U	2 73	0050 U	100 U	12 60	0800	0002 U	100 U
SW-068	03/15/90	0500 U	0250 U	185	0050 U	100 U	14 50	0150 U	0002 U	100 U
SW-069	06/29/88	0 05 U	0 025 U	1 92	005 U	NR	14 3	0 118	0004	NR
SW-069	03/29/89	0500 U V	0250 U A	1 15 A	0050 U A	0144 V	15 20 V	0544 A	0002 U V	0100 U V
SW-069	04/05/89	Insufficient Sample or Total Metals Analysis not requested								
SW-069	05/16/89	0500 U A	0250 U A	292 V	0050 U A	0100 U A	9 33 V	0222 A	0002 U R	0100 U R
SW-069	06/23/89	0500 U	0250 U	497	0050 U	100 U	16	0525	0002 U	100 U
SW-069	07/20/89	0500 U V	0250 U A	959 V	0050 U A	100 U V	15 90 V	229 V	0002 U V	100 U V
SW-069	08/21/89	0500 U V	0250 U A	839 V	0050 U A	100 U A	19 50 V	0457 V	0002 U V	100 U V
SW-069	09/26/89	0500 U V	0250 U V	1 36 V	0050 U A	100 U V	16 70 V	230 V	0002 U V	100 U V
SW-069	10/23/89	0200 U R	0336 A	343 A	0062 A	0130 V	15 80 V	0168 A	0002 U V	500 U A
SW-069	11/16/89	0500 U V	0250 U V	298 V	0050 U V	100 U R	18 70 V	0283 V	0002 A	100 U V
SW-069	12/13/89	0200 U V	0335 V	6 38 V	0153 V	0160 V	15 60 V	146 V	0004 V	500 U A
SW-069	01/11/90	0200 U	0200 U	356	0022	0170	12 50	0181	0002 U	500 U
SW-069	02/07/90	0500 U	0250 U	464	0050 U	100 U	14 30	0150 U	0002 U	100 U
SW-069	03/15/90	0500 U	0250 U	268	0050 U	100 U	13 50	0150 U	0002 U	100 U
SW-070	06/29/88	0 05 U	0 025 U	1 58	005 U	NR	12 8	0 089	0004	NR
SW-070	03/29/89	0500 U V	0250 U A	1 13 A	0050 U A	0151 V	15 50 V	0392 A	0002 U V	0100 U V
SW-070	05/16/89	0500 U A	0250 U A	417 V	0050 U A	0100 U A	8 40 V	0151 A	0002 U R	0100 U R
SW-070	06/23/89	0500 U	0250 U	692	0050 U	100 U	16 70	0701	0002 U	100 U
SW-070	07/20/89	0500 U V	0250 U A	1 58 V	0050 U A	100 U V	15 V	114 V	0002 U V	100 U V
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	0500 U V	0250 U V	445 V	0050 U A	100 U V	18 10 V	0326 A	0002 U V	100 U V
SW-070	10/23/89	0200 U R	0200 U A	634 A	0050 A	0120 V	14 90 V	0239 V	0002 U V	500 U A
SW-070	10/23/89	0200 U R	0200 U A	627 A	0042 A	0110 V	15 10 V	0245 V	0002 U V	500 U A
SW-070	11/16/89	0500 U V	0250 U V	266 V	0050 U V	100 U R	18 90 V	0263 V	0002 A	100 U V
SW-070	12/13/89	0200 U V	0350 V	31 50 V	0493 V	0340 V	24 40 V	413 V	0002 V	500 U A
SW-070	01/11/90	0200 U	0200 U	615	0056	0110	11 80	0207	0002 U	500 U

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Total Metals Surface Water Sampling Results

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Station Number	Date Sampled	Nickel (Ni), total mg/l	Potassium (K) total mg/l	Selenium (Se) total mg/l	Silver (Ag) total mg/l	Sodium (Na) total mg/l	Strontium (Sr) total mg/l	Thallium (Tl) total mg/l	Tin (Sn) Total mg/l	Vanadium (V), total mg/l
SW-068	07/20/89	0400 U A	5U A	0050 U R	0100 U R	29 60 V	1U V	0100 U R	100 U V	0500 U A
SW-068	08/21/89	0400 U V	5U A	0050 U V	0100 U V	33 40 V	461 A	0100 U A	100 U V	0500 U V
SW-068	09/26/89	0400 U V	5U A	0050 U A	0100 U R	30 40 V	1U V	0100 U V	100 U V	0500 U V
SW-068	10/24/89	0200 U V	2 74 A	0020 U V	0300 U R	30 30 V	463 A	0030 U A	1U A	0100 U V
SW-068	11/16/89	0400 U V	5U R	0050 U A	0100 U V	36 30 V	1U R	0100 U A	100 U V	0500 U A
SW-068	12/14/89	0606 V	7 82 V	0100 U A	0300 U V	39 30 V	772 V	0030 U R	1U A	0318 V
SW-068	01/11/90	0200 U	3 95	0020 U	0300 U	29	399	0030 U	1U	0100 U
SW-068	02/07/90	0400 U	5U	0050 U	0100 U	35 80	1U	0100 U	100 U	0500 U
SW-068	03/15/90	0400 U	5U	0050 U	0100 U	42 60	1U	0100 U	100 U	0500 U
SW-069	06/29/88	0 04 U	5U	005 U	0 01	25 9	0 4	010 U	NR	0 05 U
SW-069	03/29/89	0400 U R	5U A	0050 U A	0100 U A	36 80 V	439 V	0400 U A	100 U V	0500 U A
SW-069	04/05/89	Insufficient Sample or Total Metals Analysis not requested								
SW-069	05/16/89	0400 U R	5U A	0050 U A	0100 U V	23 20 V	1U V	0100 U R	100 U V	0500 U A
SW-069	06/23/89	0400 U	5U	0050 U	0100 U	28 90	461	0100 U	100 U	0500 U
SW-069	07/20/89	0400 U A	5U A	0050 U R	0100 U R	30 40 V	1U V	0100 U R	100 U V	0500 U R
SW-069	08/21/89	0400 U V	5U A	0050 U V	0100 U V	36 50 V	498 A	0100 U A	100 U V	0500 U V
SW-069	09/26/89	0400 U V	5U A	0050 U A	0100 U A	32 80 V	1U V	0100 U V	100 U V	0500 U V
SW-069	10/23/89	0200 U V	2 72 A	0022 A	0300 U A	33 30 V	483 A	0030 U A	1U A	0100 U R
SW-069	11/16/89	0400 U V	5U R	0050 U A	0100 U V	37 60 V	1U R	0100 U A	100 U V	0500 U A
SW-069	12/13/89	0200 U V	6 74 V	0020 U A	0300 U V	31 60 V	499 A	0030 U R	1U A	0136 V
SW-069	01/11/90	0200 U	3 67	0020 U	0300 U	26 20	359	0030 U	1U	0100 U
SW-069	02/07/90	0400 U	5U	0050 U	0100 U	36 60	1U	0100 U	100 U	0500 U
SW-069	03/15/90	0400 U	5U	0050 U	0100 U	45 60	1U	0100 U	100 U	0500 U
SW-070	06/29/88	0 04 U	5U	005 U	0 01	24 0	0 4	010 U	NR	0 05 U
SW-070	03/29/89	0400 U R	5U A	0250 U A	0100 U A	37 60 V	439 V	0400 U A	100 U V	0500 U A
SW-070	05/16/89	0400 U R	5U A	0050 U R	0100 U V	19 70 V	1U V	0100 U R	100 U V	0500 U A
SW-070	06/23/89	0400 U	5U	0050 U	0100 U	30 20	455	0100 U	100 U	0500 U
SW-070	07/20/89	0400 U A	5U A	0050 U R	0100 U R	32 50 V	1U V	0100 U R	100 U V	0500 U A
SW-070	08/14/89	Data not yet received								
SW-070	08/14/89	Data not yet received								
SW-070	09/26/89	0400 U V	5U A	0050 U A	0100 U R	33 10 V	1U V	0100 U V	100 U V	0500 U V
SW-070	10/23/89	0200 U V	2 86 A	0020 U V	0300 U A	29 60 V	428 A	0030 U A	1U A	0100 U R
SW-070	10/23/89	0200 U V	2 60 A	0020 U V	0300 U R	30 90 V	445 A	0030 U A	1U A	0100 U R
SW-070	11/16/89	0400 U V	5U R	0050 U V	0100 U V	37 60 V	1U R	0100 U A	100 U V	0500 U V
SW-070	12/13/89	0341 V	11 10 V	0100 U V	0300 U V	33 10 V	716 A	0030 U R	1U A	0728 V
SW-070	01/11/90	0200 U	3 51	0020 U	0300 U	27	351	0030 U	1U	0100 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Total Metals Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Zinc (Zn) total mg/l		
SW-068	07/20/89	0202		V
SW-068	08/21/89	0200	U	A
SW-068	09/26/89	534		V
SW-068	10/24/89	0429		A
SW-068	11/16/89	0200	U	A
SW-068	12/14/89	334		V
SW-068	01/11/90	0148		
SW-068	02/07/90	124		
SW-068	03/15/90	0602		
SW-069	06/29/88	0 05		
SW-069	03/29/89	0527		A
SW-069	04/05/89	Insufficient Sample or Total Metals Analysis not requested		
SW-069	05/16/89	0200	U	R
SW-069	06/23/89	0373		
SW-069	07/20/89	0439		V
SW-069	08/21/89	0232		A
SW-069	09/26/89	432		V
SW-069	10/23/89	0377		A
SW-069	11/16/89	0200	U	A
SW-069	12/13/89	137		V
SW-069	01/11/90	0160		
SW-069	02/07/90	0387		
SW-069	03/15/90	0637		
SW-070	06/29/88	0 06		
SW-070	03/29/89	340		V
SW-070	05/16/89	0200	U	R
SW-070	06/23/89	0533		
SW-070	07/20/89	0457		V
SW-070	08/14/89	Data not yet received		
SW-070	08/14/89	Data not yet received		
SW-070	09/26/89	0341		A
SW-070	10/23/89	0171		A
SW-070	10/23/89	0290		A
SW-070	11/16/89	0200	U	A
SW-070	12/13/89	315		V
SW-070	01/11/90	0177		

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Total Metals Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Aluminum (Al), total mg/l	Antimony (Sb) total mg/l	Arsenic (As) total mg/l	Barium (Ba), total mg/l	Beryllium (Be), total mg/l	Cadmium (Cd) total mg/l	Calcium (Ca), total mg/l	Cesium (Cs), total mg/l	Chromium (Cr), total mg/l
SW-070	02/07/90	278	0600 U	0100 U	200 U	0050 U	0050 U	62	1U	0100 U
SW-070	03/15/90	333	0600 U	0100 U	200 U	0050 U	0050 U	62 50	1U	0100 U

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Total Metals Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Cobalt (Co), total mg/l	Copper (Cu) total mg/l	Iron (Fe) total mg/l	Lead (Pb), total mg/l	Lithium (Li) total mg/l	Magnesium (Mg) total mg/l	Manganese (Mn) total mg/l	Mercury (Hg) total mg/l	Molybdenum (Mo), total mg/l
SW-070	02/07/90	0500 U	0250 U	234	0050 U	100 U	13 10	0150 U	0002 U	100 U
SW-070	03/15/90	0500 U	0250 U	294	0050 U	100 U	12 70	0150 U	0002 U	100 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications; V = Valid

Total Metals Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Nickel (Ni) total mg/l	Potassium (K) total mg/l	Selenium (Se) total mg/l	Silver (Ag) total mg/l	Sodium (Na), total mg/l	Strontium (Sr) total mg/l	Thallium (Tl) total mg/l	Tin (Sn) Total mg/l	Vanadium (V), total mg/l
SW-070	02/07/90	0400 U	5U	0050 U	0100 U	39 40	1U	0100 U	100 U	0500 U
SW-070	03/15/90	0400 U	5U	0050 U	0100 U	45 90	1U	0100 U	100 U	0500 U

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Total Metals Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Zinc (Zn) total mg/l
SW-070	02/07/90	121
SW-070	03/15/90	0473

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

APPENDIX C-6

TOTAL RADIONUCLIDES

Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
SW031	08/20/86	8 0		40		53		320		NR		NR		NR
SW031	05/26/87	1 5		32 9		83 5		303		127		NR		NR
SW031	05/26/87	NF		NF		NF		NF		NF		NF		NF
SW031	06/28/88	2		39		46		302		160		1 0 U		7 85
SW031	03/30/89	3 4	A	57	V	57	V	390	A	200	V	5 U	V	8 1
SW031	05/17/89	3 2	V	56	A	55	A	360	A	220	V	5 U	V	8 3
SW031	06/27/89	3 4	V	64	A	53	V	410	V	260	V	5 U	V	8 1
SW031	07/21/89	2 5	V	57	A	52	V	400	A	260	V	5 U	V	8 1
SW031	08/22/89	3 3		61		52		430		250		5 U		8 1
SW031	09/26/89	4 6	V	64	V	52	V	460	A	250	V	5 U	V	8 3
SW031	10/24/89	4 1	V	55	V	60	A	390	A	240	A	5 U	A	8 2
SW031	11/17/89	5 2	A	55	V	50	V	580	A	230	A	5 U	A	8 1
SW031	12/14/89	4 8	V	69	V	48	V	420	A	252	A	5 U	A	8 0
SW031	01/11/90	3 8	V	60	V	48	V	380	A	228	V	5 U	V	7 8
SW031	02/20/90	4 1	V	170	V	48	V	550	V	200	V	5 U	V	8 0
SW031	03/14/90	2 6	V	140	V	68		390	V	200	V	5 U	V	8 0
SW032	08/20/86	5 0 U		12		16		185		NR		NR		NR
SW032	05/26/87	0 2 U		10 5		20 0		226		160		NR		NR
SW032	07/30/87	0 20 U		11 2		1 0 U		256		110		NR		NR
SW032	11/11/87	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
SW032	06/21/88	0 5 U		14 5		19 1		255		142		1 0 U		7 44
SW032	06/21/88	0 5 U		14 5		19 0		256		140		1 0 U		8 14
SW032	04/05/89	0 08	V	26	V	22	V	200	A	150	V	<5	V	7 9
SW032	05/24/89	0 10	A	22	V	31	V	260	A	190	V	5 U	V	8 0
SW032	06/21/89	0 09	V	14	V	26	V	230	V	210	V	5 U	V	8 1
SW032	07/19/89	0 05 U		14		18		160		160		5 U		8 2
SW032	08/04/89	0 05 U	V	12	V	21	A	200	A	140	V	6	V	8 6
SW032	09/19/89	0 05 U	V	20	V	31	V	260	A	200	V	5 U	V	8 1
SW032	10/13/89	0 05 U	V	17	V	25	A	270	A	200	A	5 U	A	7 9
SW032	11/13/89	0 06	V	15	V	27	A	220	A	170	A	5 U	A	8 1
SW032	12/15/89	0 24		14		25		230		180		5 U		7 8
SW032	01/16/90	0 30	V	18	V	31	V	210	A	180	V	5 U	V	7 8
SW032	02/20/90	0 19	V	15	V	28	V	230	V	170	V	5 U	V	8 0
SW032	03/23/90	0 13	V	13	V	28	V	180	V	120	V	5 U	V	8 0
SW033	08/21/86	DRY												
SW033	07/01/88	4		20		39		225		155		1 0 U		6 34
SW033	04/04/89	0 07	A	38	V	20	A	170	A	81	V	5 U	V	7 8

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Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Total Cyanide MG/L		
SW031	08/20/86	0 005	U	
SW031	05/26/87	1 0	U	
SW031	05/26/87	NF		
SW031	06/28/88	NR		
SW031	03/30/89	0 0100	U	
SW031	05/17/89	0 0062		R
SW031	06/27/89	0 0100	U	
SW031	07/21/89	0 0100	U	V
SW031	08/22/89	0 0100	U	V
SW031	09/26/89	NR		
SW031	10/24/89	NR		
SW031	11/17/89	10 0	U	V
SW031	12/14/89	0 0100	U	V
SW031	01/11/90	0 0100	U	
SW031	02/20/90	NR		
SW031	03/14/90	0 0100	U	
SW032	08/20/86	0 005	U	
SW032	05/26/87	001	U	
SW032	07/30/87	1 0	U	
SW032	11/11/87	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS		
SW032	06/21/88	NR		
SW032	06/21/88	NR		
SW032	04/05/89	0 0025	U	V
SW032	05/24/89	NR		
SW032	06/21/89	0 0025	U	V
SW032	07/19/89	0 0100	U	A
SW032	08/04/89	0 0100	U	V
SW032	09/19/89	0 0025	U	V
SW032	10/13/89	NR		
SW032	11/13/89	10 0	U	A
SW032	12/15/89	0 0100	U	
SW032	01/16/90	0 0100	U	
SW032	02/20/90	NR		
SW032	03/23/90	0 0100	U	
SW033	08/21/86	DRY		
SW033	07/01/88	NR		
SW033	04/04/89	0 0100	U	V

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Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L			Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L			pH pH Unit
SW033	05/24/89	0 16		A	25	V	36	A	250	A	180	V	5	U	V	7 8
SW033	06/21/89	0 20		V	17	V	36	V	250	V	210	V	5	U	V	7 9
SW033	07/19/89	DRY														
SW033	08/04/89	DRY														
SW033	09/19/89	0 17		V	23	V	39	V	270	A	190	V	5	U	V	7 6
SW033	10/13/89	0 10		V	17	V	28	A	240	A	190	A	5	U	A	7 6
SW033	11/13/89	0 07		V	14	V	29	V	200	A	160	A	5	U	A	7 8
SW033	11/13/89	0 05	U	V	14	V	26	A	210	A	160	A	5	U	A	7 8
SW033	12/15/89	0 08			11		24		210		132		5	U		7 8
SW033	01/16/90	0 16		V	18	V	32	V	180	A	156	V	5	U	V	7 7
SW033	02/20/90	0 16		V	14	V	28	V	210	V	150	V	5	U	V	7 9
SW033	03/23/90	0 13		V	14	V	29	V	60	V	80	V	5	U	V	7 8
SW034	08/20/86	5 0	U		16		15		170		NR		NR			NR
SW034	07/01/88	0 1	U		10 80		8 96		155		140		1 0	U		6 67
SW034	07/01/88	1	U		10 9		9 37		185		140		1 0	U		6 52
SW034	04/05/89	0 05	U	V	16	V	23	V	230	A	200	V	5	U	V	8 2
SW034	05/24/89	0 05	U	A	14	V	19	V	240	A	190	V	5	U	V	8 3
SW034	06/21/89	0 05	U	V	10	V	18	V	220	V	200	V	5	U	V	8 3
SW034	07/12/89	0 05	U	V	17	V	26	V	230	V	170	V	5	U	V	8 4
SW034	08/04/89	0 05	U	V	12	V	21	A	210	A	130	V	5	U	V	8 3
SW034	09/19/89	0 05	U	V	18	V	24	V	280	A	190	V	5	U	V	8 2
SW034	10/13/89	0 05	U	V	17	V	22	A	260	A	190	A	5	U	A	8 2
SW034	11/10/89	0 39		V	17	V	30	V	270	A	180	A	5	U	A	7 9
SW034	12/15/89	0 31			15		25		260		204		5	U		7 8
SW034	01/15/90	0 43		V	16	V	27	A	240	A	150	V	5	U	V	8 0
SW034	01/15/90	0 45		V	17	V	27	A	240	A	150	V	5	U	V	8 0
SW034	02/20/90	0 38		V	18	V	25	V	270	V	200	V	5	U	V	8 0
SW034	03/23/90	0 13		V	13	V	26	V	220	V	170	V	5	U	V	8 0
SW044	05/26/87	3 80			47 8		64 0		239		168		NR			NR
SW044	06/28/88	424			75		53		421		208		1 0	U		7 75
SW044	04/03/89	2 9		A	50	V	55	A	360	A	200	V	6		V	8 4
SW044	05/17/89	2 2		V	42	A	55	A	320	A	200	V	5	U	V	8 4
SW044	05/30/89	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS														
SW044	06/21/89	3 3		V	50	V	55	V	360	V	240	V	5	U	V	8 1
SW044	07/18/89	3 3			24		53		360		390		5	U		7 6
SW044	08/16/89	4 6		A	66	V	50	V	450	A	250	V	5	U	V	7 9
SW044	09/22/89	4 8			68		48		430		240		5	U		7 8

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Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Total Cyanide MG/L			
SW033	05/24/89	NR			
SW033	06/21/89	0 0025	U	V	
SW033	07/19/89				DRY
SW033	08/04/89				DRY
SW033	09/19/89	0 0025	U	V	
SW033	10/13/89	NR			
SW033	11/13/89	10 0	U	A	
SW033	11/13/89	10 0	U	A	
SW033	12/15/89	0 0100	U		
SW033	01/16/90	0 0100	U		
SW033	02/20/90	NR			
SW033	03/23/90	0 0100	U		
SW034	08/20/86	0 005	U		
SW034	07/01/88	NR			
SW034	07/01/88	NR			
SW034	04/05/89	0 0025	U	V	
SW034	05/24/89	NR			
SW034	06/21/89	0 0025	U	V	
SW034	07/12/89	0 0100	U	V	
SW034	08/04/89	0 0100	U	V	
SW034	09/19/89	0 0025	U	V	
SW034	10/13/89	NR			
SW034	11/10/89	0 0058		A	
SW034	12/15/89	0 0100	U		
SW034	01/15/90	0 0200	U		
SW034	01/15/90	0 0100	U		
SW034	02/20/90	NR			
SW034	03/23/90	0 0100	U		
SW044	05/26/87	1 0	U		
SW044	06/28/88	NR			
SW044	04/03/89	0 0100	U	V	
SW044	05/17/89	0 0057		A	
SW044	05/30/89			INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS	
SW044	06/21/89	0 0058		V	
SW044	07/18/89	0 0100	U	V	
SW044	08/16/89	0 0100	U		
SW044	09/22/89	0 0043		V	

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
SW044	10/19/89	3 7	V	34	V	32	V	280	A	220	A	5 U	A	7 6
SW044	11/10/89	3 9	V	53	V	52	V	380	A	250	A	5 U	A	8 0
SW044	12/08/89	3 1		67		33		310		156		5 U		7 6
SW044	01/17/90	6 4	V	81	V	55	V	570	A	250	V	5 U	V	7 2
SW044	02/19/90	3 2	V	160	V	43	V	530	V	210	V	5 U	V	7 9
SW044	03/17/90	3 1	V	59	V	94	V	450	V	210	V	5 U	V	7 7
SW045	05/26/87	8 50		74 1		44 0		456		216		NR		NR
SW045	11/17/87	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
SW045	06/28/88	8		77		56		464		232		1 0 U		7 84
SW045	04/04/89	8 0	A	85	V	53	A	480	A	270	V	5 U	V	8 2
SW045	05/18/89	3 5	V	86	A	52	V	460	A	260	A	5 U	A	8 0
SW045	05/30/89	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
SW045	06/21/89	7 7	V	79	V	51	V	490	V	280	V	5 U	V	8 1
SW045	07/18/89	7 6		71		56		460		290		5 U		8 0
SW045	08/16/89	8 1	V	73	V	47	V	500	A	260	V	5 U	V	7 9
SW045	09/22/89	7 3		97		42		510		290		5 U		7 8
SW045	10/19/89	8 9	V	67	V	47	V	470	A	280	A	5 U	A	8 0
SW045	11/10/89	7 4	V	78	V	53	V	470	A	290	A	5 U	A	8 0
SW045	12/08/89	9 2		92		53		500		276		5 U		8 1
SW045	01/16/90	8 8	V	110	V	56	V	530	A	264	V	5 U	V	7 9
SW045	02/19/90	7 8	V	100	V	44	V	530	V	270	V	5 U	V	8 1
SW045	02/19/90	8 3	V	100	V	41	V	550	V	270	V	5 U	V	8 0
SW045	03/17/90	8 8	V	93	V	42	V	520	V	270	V	5 U	V	7 6
SW046	05/26/87	0 20 U		10 8		27 0		160		86 9		NR		NR
SW046	06/27/88	5 44		79 6		55 8		455		218		1 0 U		7 68
SW046	04/04/89	6 3	A	75	V	55	A	480	A	270	V	5 U	V	7 9
SW046	05/18/89	4 0	V	98	A	52	V	450	A	220	A	5 U	A	8 2
SW046	05/30/89	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
SW046	06/21/89	6 8	V	79	V	68	V	220	V	250	V	5 U	V	8 2
SW046	07/18/89	19		76		64		410		220		5 U		8 1
SW046	08/16/89	5 3	V	79	V	52	V	450	A	250	V	5 U	V	7 9
SW046	09/22/89	6 5		96		47		480		240		5 U		7 8
SW046	10/19/89	8 5	V	67	V	48	V	500	A	280	A	5 U	A	8 0
SW046	11/10/89	6 7	V	79	V	57	V	460	A	270	A	5 U	A	7 8
SW046	12/08/89	7 7		79		55		490		276		5 U		7 8
SW046	01/16/90	8 6	V	110	V	55	V	510	A	264	V	5 U	V	8 0
SW046	02/19/90	6 3	V	110	V	47	V	480	V	230	V	5 U	V	8 1

VALUE QUALIFIERS: NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
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Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Total Cyanide MG/L		
SW044	10/19/89	NR		
SW044	11/10/89	0 0025	U	A
SW044	12/08/89	0 0100	U	A
SW044	01/17/90	0 0100	U	
SW044	02/19/90	NR		
SW044	03/17/90	0 0100	U	
SW045	05/26/87	1 0	U	
SW045	11/17/87	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS		
SW045	06/28/88	NR		
SW045	04/04/89	0 0100	U	V
SW045	05/18/89	0 0051		
SW045	05/30/89	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS		
SW045	06/21/89	0 0089		V
SW045	07/18/89	0 0100	U	V
SW045	08/16/89	0 0100	U	
SW045	09/22/89	0 0043		V
SW045	10/19/89	NR		
SW045	11/10/89	0 0029		
SW045	12/08/89	0 0100	U	A
SW045	01/16/90	0 0100	U	
SW045	02/19/90	NR		
SW045	02/19/90	NR		
SW045	03/17/90	0 0100	U	
SW046	05/26/87	1 0	U	
SW046	06/27/88	NR		
SW046	04/04/89	0 0100	U	V
SW046	05/18/89	0 0084		R
SW046	05/30/89	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS		
SW046	06/21/89	0 0105		V
SW046	07/18/89	0 0100	U	V
SW046	08/16/89	0 0100	U	
SW046	09/22/89	0 0080		V
SW046	10/19/89	NR		
SW046	11/10/89	0 0085		A
SW046	12/08/89	0 0100	U	A
SW046	01/16/90	0 0100	U	
SW046	02/19/90	NR		

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Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
SW046	03/17/90	10	V	5[illegible]	V	46	V	500	V	270	V	5 U	V	7 8
SW066	06/29/88	1		34		39		324		200		1 0 U		8 08
SW066	03/29/89	2 9	A	70	V	80	A	410	A	220	V	5 U	V	8 1
SW066	05/17/89	3 0	V	56	V	54	A	370	A	230	V	5 U	V	8 3
SW066	06/23/89	3 7		63		56		400		240		5 U		8 3
SW066	07/20/89	2 6		56		52		370		240		5 U		8 4
SW066	08/22/89	3 2		60		54		440		270		5 U		8 2
SW066	09/26/89	4 1	V	64	V	55	V	430	A	240	V	5 U	V	8 2
SW066	10/24/89	3 8	V	56	V	57	A	370	A	240	A	5 U	A	8 1
SW066	11/17/89	5 1	A	55	V	94	V	510	A	110	A	5 U	A	5 4
SW066	12/14/89	4 9	V	69	V	50	V	420	A	252	A	5 U	A	8 0
SW066	01/11/90	3 7	V	59	V	49	V	310	A	228	V	5 U	V	7 8
SW066	02/08/90	4 0	V	68	V	30	V	400	V	290	V	5 U	V	7 7
SW066	03/14/90	4 1	V	120	V	63	V	470	V	180	V	5 U	V	8 0
SW067	06/29/88	1		34		38		314		192		1 0 U		8 02
SW067	04/04/89	3 0	A	58	V	58	A	390	A	300	V	5 U	V	7 6
SW067	05/17/89	2 9	V	64	V	59	A	390	A	360	V	5 U	V	7 7
SW067	05/31/89	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS												
SW067	06/23/89	2 9		60		55		390		260		5 U		7 4
SW067	07/20/89	1 8		56		52		350		250		5 U		8 0
SW067	08/21/89	2 5		57		52		420		250		5 U		8 0
SW067	09/26/89	3 9	V	64	V	49	V	450	A	250	V	5 U	V	8 1
SW067	10/24/89	2 1	V	55	V	52	A	400	A	260	A	5 U	A	7 6
SW067	11/16/89	4 9	A	55	V	52	V	510	A	220	A	5 U	A	7 9
SW067	12/14/89	4 9	V	68	V	51	V	420	A	240	A	5 U	A	7 9
SW067	01/11/90	3 4	V	56	V	52	V	380	A	216	V	5 U	V	7 8
SW067	02/08/90	4 2	V	77	V	55	V	440	V	250	V	5 U	V	7 9
SW067	03/15/90	3 7		85	V	69	V	460	V	210	V	5 U	V	8 0
SW068	06/29/88	1		35		39		339		199		1 0 U		7 95
SW068	03/29/89	2 8	A	65	V	55	A	390	A	220	V	5 U	V	8 1
SW068	05/17/89	2 9		56		56		390		230		5 U		8 2
SW068	06/23/89	2 9		58		56		360		210		5 U		8 2
SW068	07/20/89	0 80		55		50		270		140		5 U		8 3
SW068	08/21/89	2 1		61		51		340		170		5 U		8 2
SW068	09/26/89	3 4	V	64	V	50	V	400	A	200	V	5 U	V	8 1
SW068	10/24/89	2 8	V	55	V	55	A	380	A	240	A	5 U	A	7 8

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Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Total Cyanide MG/L		
SW046	03/17/90	0 0100	U	
SW066	06/29/88	NR		
SW066	03/29/89	0 0100	U	V
SW066	05/17/89	0 0098		A
SW066	06/23/89	0 0038		
SW066	07/20/89	0 0100	U	V
SW066	08/22/89	0 0100	U	V
SW066	09/26/89	NR		
SW066	10/24/89	NR		
SW066	11/17/89	10 0	U	V
SW066	12/14/89	0 0100	U	V
SW066	01/11/90	0 0200	U	
SW066	02/08/90	0 0100	U	
SW066	03/14/90	21 0	J	A
SW067	06/29/88	NR		
SW067	04/04/89	0 0100	U	V
SW067	05/17/89	0 0039		V
SW067	05/31/89	INSUFFICIENT SAMPLE FOR INORGANIC ANALYSIS		
SW067	06/23/89	0029		
SW067	07/20/89	0 0100	U	V
SW067	08/21/89	0 0100	U	V
SW067	09/26/89	NR		
SW067	10/24/89	NR		
SW067	11/16/89	12 2		V
SW067	12/14/89	0 0200	U	V
SW067	01/11/90	0 0200	U	
SW067	02/08/90	0 0100	U	
SW067	03/15/90	NR		
SW068	06/29/88	NR		
SW068	03/29/89	0 0100	U	V
SW068	05/17/89	0 0025	U	V
SW068	06/23/89	0 007		
SW068	07/20/89	0 0100	U	V
SW068	08/21/89	0 0100	U	V
SW068	09/26/89	NR		
SW068	10/24/89	NR		

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Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/L		Chloride MG/L		Sulfate MG/L		Total Dissolved Solids MG/L		HCO3- MG/L		CO3= MG/L		pH pH Unit
SW068	11/16/89	5 2	A	63	V	58	V	570	A	270	A	5 U	A	8 1
SW068	12/14/89	4 1	V	76	V	56	V	460	A	276	A	5 U	A	7 3
SW068	01/11/90	7 8	V	52	V	45	V	280	V	216	V	5 U	V	8 0
SW068	02/07/90	2 9	V	65	V	36	V	380	V	170	V	5 U	V	7 6
SW068	03/15/90	3 8		83	V	71	V	460	V	200	V	5 U	V	8 0
SW069	06/29/88	0 9		36		41		324		185		5		8 20
SW069	03/29/89	2 2	A	NR		NR		NR		NR		NR		NR
SW069	04/05/89	NR		57		67		320		170		6		8 5
SW069	05/16/89	1 8	V	36	V	34	V	260	A	140	V	9	V	8 7
SW069	06/23/89	2 8		62		45		370		220		5 U		7 5
SW069	07/20/89	0 32		57		49		280		170		5 U		8 1
SW069	08/21/89	1 7		68		26		350		170		5 U		8 2
SW069	09/26/89	2 2	V	64	V	58	V	390	A	190	V	5 U	V	8 0
SW069	10/23/89	2 7	V	48	V	47	V	400	A	240	A	5 U	A	7 9
SW069	11/16/89	4 3	V	64	V	56	V	640	A	290	A	5 U	A	8 1
SW069	12/13/89	3 9	V	67	V	48	V	390	A	252	A	5 U	A	7 3
SW069	01/11/90	1 0	V	48	V	42	V	330	A	192	V	5 U	V	7 9
SW069	02/07/90	3 9	V	71	V	44	V	370	V	190	V	5 U	V	8 0
SW069	03/15/90	3 4		83	V	73		260	V	190	V	5 U	V	8 0
SW070	06/29/88	0 4		37		43		310		160		1 0 U		8 15
SW070	03/29/89	1 8	A	59	V	50	A	360	A	220	V	5 U	V	8 0
SW070	05/16/89	1 3	V	30	V	41	V	210	A	110	V	12	V	8 8
SW070	06/23/89	1 6		62		58		340		180		5 U		8 2
SW070	07/20/89	0 05 U		59		46		320		150		5 U		8 0
SW070	08/14/89	1 1	V	42	V	40	V	320	A	200	V	5 U	V	7 9
SW070	08/14/89	1 0	V	43	V	38	V	300	A	170	V	5 U	V	8 2
SW070	09/26/89	2 4	V	65	V	59	V	420	A	210	V	5 U	V	8 2
SW070	10/23/89	2 0	V	48	V	51	V	360	A	210	A	5 U	A	8 0
SW070	10/23/89	1 9	V	48	V	51	V	320	A	210	A	5 U	A	8 2
SW070	11/16/89	3 8	V	66	V	61	V	570	A	270	A	5 U	A	7 9
SW070	12/13/89	2 4	V	71	V	47	V	340	A	252	A	5 U	A	7 4
SW070	01/11/90	2 2	V	40	V	38	V	270	A	180	V	5 U	V	7 9
SW070	02/07/90	3 1	V	74	V	40	V	370	V	190	V	5 U	V	7 7
SW070	03/15/90	3 2		87	V	67	V	420	V	180	V	5 U	V	8 0

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Total Inorganic Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Total Cyanide MG/L		
SW068	11/16/89	10 0	U	V
SW068	12/14/89	0 0100	U	V
SW068	01/11/90	0 0100	U	
SW068	02/07/90	0 0100	U	
SW068	03/15/90	NR		
SW069	06/29/88	NR		
SW069	03/29/89	0 0100	U	V
SW069	04/05/89	NR		
SW069	05/16/89	0 0031		V
SW069	06/23/89	0 0025	U	
SW069	07/20/89	0 0100	U	V
SW069	08/21/89	0 0100	U	V
SW069	09/26/89	NR		
SW069	10/23/89	NR		
SW069	11/16/89	NR		
SW069	12/13/89	0 0200	U	A
SW069	01/11/90	0 0100	U	
SW069	02/07/90	0 0100	U	
SW069	03/15/90	NR		
SW070	06/29/88	NR		
SW070	03/29/89	0 0100	U	V
SW070	05/16/89	0 0025	U	V
SW070	06/23/89	0 0063		
SW070	07/20/89	0 0100	U	V
SW070	08/14/89	NR		
SW070	08/14/89	NR		
SW070	09/26/89	NR		
SW070	10/23/89	NR		
SW070	10/23/89	NR		
SW070	11/16/89	NR		
SW070	12/13/89	0 0100	U	A
SW070	01/11/90	0 0100	U	
SW070	02/07/90	0 0111	U	
SW070	03/15/90	NR		

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Dissolved Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Plutonium 239 240 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW031	08/20/86		***										
SW031	05/26/87		***										
SW031	05/26/87		***										
SW031	06/28/88	0 681 ± 0 382	0 3	NR		NR		NR		NR		NR	
SW031	03/30/89	0 00 ± 0 01		0 00 ± 0 03		-0 1 ± 0 5		NR		0 1 ± 0 3		NR	
SW031	05/17/89		***										
SW031	06/27/89		***										
SW031	07/21/89		***										
SW031	08/22/89		***										
SW031	09/26/89		***										
SW031	10/24/89		***										
SW031	11/17/89		***										
SW031	12/14/89		***										
SW031	01/11/90		***										
SW031	02/20/90		***										
SW031	03/14/90		***										
SW032	08/20/86		***										
SW032	05/26/87		***										
SW032	07/30/87		***										
SW032	11/11/87		***										
SW032	06/21/88	0 0479 ± 0 224	0 3	NR		NR		NR		NR		NR	
SW032	06/21/88	0 00 ± 0 120	0 2	NR		NR		NR		NR		NR	
SW032	04/05/89	0 00 ± 0 03		0 00 ± 0 01		0 4 ± 0 9		NR		NR		NR	
SW032	05/24/89		***										
SW032	06/21/89		***										
SW032	07/19/89		***										
SW032	08/04/89		***										
SW032	09/19/89		***										
SW032	10/13/89		***										
SW032	11/13/89		***										
SW032	12/15/89		***										
SW032	01/16/90		***										
SW032	02/20/90		***										
SW032	03/23/90		***										
SW033	08/21/86		DRY										
SW033	07/01/88	0 0804 ± 0 111	0 09	NR		NR		NR		NR		NR	
SW033	04/04/89	-0 01 ± 0 02		0 00 ± 0 01		0 5 ± 0 7		NR		NR		NR	

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Dissolved Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW033	05/24/89		***										
SW033	06/21/89		***										
SW033	07/19/89		DRY										
SW033	08/04/89		DRY										
SW033	09/19/89		***										
SW033	10/13/89		***										
SW033	11/13/89		***										
SW033	11/13/89		***										
SW033	12/15/89		***										
SW033	01/16/90		***										
SW033	02/20/90		***										
SW033	03/23/90		***										
SW034	08/20/86		***										
SW034	07/01/88	4 57 ± 3 27	4	10 3 ± 4 58	7	0 540 ± 0 357	0 09	NR		0 260 ± 0 244	0 06	NR	
SW034	07/01/88	2 63 ± 3 02	4	14 0 ± 4 76	7	0 0181 ± 0 135	0 07	NR		0 0863 ± 0 133	0 04	NR	
SW034	04/05/89	0 ± 3		2 ± 3		0 3 ± 0 1		0 0 ± 0 1		0 1 ± 0 1		0 2 ± 0 5	
SW034	05/24/89		***										
SW034	06/21/89		***										
SW034	07/12/89		***										
SW034	08/04/89		***										
SW034	09/19/89		***										
SW034	10/13/89		***										
SW034	11/10/89		***										
SW034	12/15/89		***										
SW034	01/15/90		***										
SW034	01/15/90		***										
SW034	02/20/90		***										
SW034	03/23/90		***										
SW044	05/26/87		***										
SW044	06/28/88	6 88 ± 4 39	6	5 15 ± 4 71	7	4 59 ± 0 340	0 1	NR		3 77 ± 0 327	0 2	NR	
SW044	04/03/89	7 ± 7		6 ± 3		2 3 ± 0 4		0 5 ± 0 2		2 5 ± 0 4		-0 1 ± 0 4	
SW044	05/17/89		***										
SW044	05/30/89		***										
SW044	06/21/89		***										
SW044	07/18/89		***										
SW044	08/16/89		***										
SW044	09/22/89		***										

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Dissolved Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Plutonium 239 240 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW033	05/24/89		***										
SW033	06/21/89		***										
SW033	07/19/89		DRY										
SW033	08/04/89		DRY										
SW033	09/19/89		***										
SW033	10/13/89		***										
SW033	11/13/89		***										
SW033	11/13/89		***										
SW033	12/15/89		***										
SW033	01/16/90		***										
SW033	02/20/90		***										
SW033	03/23/90		***										
SW034	08/20/86		***										
SW034	07/01/88	0 104 ± 0 155	0 1	NR		NR		NR		NR		NR	
SW034	07/01/88	0 00 ± 0 0579	0 1	NR		NR		NR		NR		NR	
SW034	04/05/89	0 00 ± 0 03		-0 01 ± 0 02		0 1 ± 0 7		NR		NR		NR	
SW034	05/24/89		***										
SW034	06/21/89		***										
SW034	07/12/89		***										
SW034	08/04/89		***										
SW034	09/19/89		***										
SW034	10/13/89		***										
SW034	11/10/89		***										
SW034	12/15/89		***										
SW034	01/15/90		***										
SW034	01/15/90		***										
SW034	02/20/90		***										
SW034	03/23/90		***										
SW044	05/26/87		***										
SW044	06/28/88	0 00 ± 0 152	0 3	NR		NR		NR		NR		NR	
SW044	04/03/89	0 00 ± 0 02		0 01 ± 0 01		0 3 ± 0 6		NR		0 1 ± 0 2		NR	
SW044	05/17/89		***										
SW044	05/30/89		***										
SW044	06/21/89		***										
SW044	07/18/89		***										
SW044	08/16/89		***										
SW044	09/22/89		***										

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Dissolved Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89 90 pCi/l	mda
SW044	10/19/89		***										
SW044	11/10/89		***										
SW044	12/08/89		***										
SW044	01/17/90		***										
SW044	02/19/90		***										
SW044	03/17/90		***										
SW045	05/26/87		***										
SW045	11/17/87		***										
SW045	06/28/88	13 4 ± 5 11	6	15 1 ± 5 38	8	5 79 ± 0 818	0 1	NR		4 38 ± 0 735	0 2	NR	
SW045	04/04/89	16 ± 11		9 ± 4		5 0 ± 0 7		0 3 ± 0 2		3 5 ± 0 5		-0 2 ± 0 4	
SW045	05/18/89		***										
SW045	05/30/89		***										
SW045	06/21/89		***										
SW045	07/18/89		***										
SW045	08/16/89		***										
SW045	09/22/89		***										
SW045	10/19/89		***										
SW045	11/10/89		***										
SW045	12/08/89		***										
SW045	01/16/90		***										
SW045	02/19/90		***										
SW045	02/19/90		***										
SW045	03/17/90		***										
SW046	05/26/87		***										
SW046	06/27/88	5 55 ± 4 23	6	4 65 ± 4 68	7	4 56 ± 0 655	0 1	NR		3 86 ± 0 577	0 2	NR	
SW046	04/04/89	6 ± 9		10 ± 4		4 4 ± 0 6		0 2 ± 0 1		3 5 ± 0 5		-0 2 ± 0 4	
SW046	05/18/89		***										
SW046	05/30/89		***										
SW046	06/21/89		***										
SW046	07/18/89		***										
SW046	08/16/89		***										
SW046	09/22/89		***										
SW046	10/19/89		***										
SW046	11/10/89		***										
SW046	12/08/89		***										
SW046	01/16/90		***										
SW046	02/19/90		***										

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Dissolved Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Plutonium 239 240 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW044	10/19/89		***										
SW044	11/10/89		***										
SW044	12/08/89		***										
SW044	01/17/90		***										
SW044	02/19/90		***										
SW044	03/17/90		***										
SW045	05/26/87		***										
SW045	11/17/87		***										
SW045	06/28/88	2 57 ± 0 733	0 6	NR		NR		NR		NR		NR	
SW045	04/04/89	-0 01 ± 0 02		0 00 ± 0 01		0 2 ± 0 7		NR		0 2 ± 0 2		NR	
SW045	05/18/89		***										
SW045	05/30/89		***										
SW045	06/21/89		***										
SW045	07/18/89		***										
SW045	08/16/89		***										
SW045	09/22/89		***										
SW045	10/19/89		***										
SW045	11/10/89		***										
SW045	12/08/89		***										
SW045	01/16/90		***										
SW045	02/19/90		***										
SW045	02/19/90		***										
SW045	03/17/90		***										
SW046	05/26/87		***										
SW046	06/27/88	0 0651 ± 0 0916	0 08	NR		NR		NR		NR		NR	
SW046	04/04/89	-0 01 ± 0 02		0 01 ± 0 01		-0 2 ± 0 8		NR		0 1 ± 0 3		NR	
SW046	05/18/89		***										
SW046	05/30/89		***										
SW046	06/21/89		***										
SW046	07/18/89		***										
SW046	08/16/89		***										
SW046	09/22/89		***										
SW046	10/19/89		***										
SW046	11/10/89		***										
SW046	12/08/89		***										
SW046	01/16/90		***										
SW046	02/19/90		***										

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Dissolved Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW046	03/17/90		***										
SW066	06/29/88	4 47 ± 4 08	6	12 0 ± 5 30	8	2 12 ± 0 259	0 1	NR		2 74 ± 0 301	0 2	NR	
SW066	03/29/89	8 ± 7		6 ± 3		2 3 ± 0 4		0 2 ± 0 1		3 0 ± 0 5		0 0 ± 0 4	
SW066	05/17/89		***										
SW066	06/23/89		***										
SW066	07/20/89		***										
SW066	08/22/89		***										
SW066	09/26/89		***										
SW066	10/24/89		***										
SW066	11/17/89		***										
SW066	12/14/89		***										
SW066	01/11/90		***										
SW066	02/08/90		***										
SW066	03/14/90		***										
SW067	06/29/88	7 30 ± 4 92	6	7 63 ± 5 08	8	2 55 ± 0 330	0 1	NR		2 39 ± 0 335	0 2	NR	
SW067	04/04/89	10 ± 9		9 ± 4		3 7 ± 0 5		0 2 ± 0 1		4 5 ± 0 5		-0 3 ± 0 5	
SW067	05/17/89		***										
SW067	05/31/89		***										
SW067	06/23/89		***										
SW067	07/20/89		***										
SW067	08/21/89		***										
SW067	09/26/89		***										
SW067	10/24/89		***										
SW067	11/16/89		***										
SW067	12/14/89		***										
SW067	01/11/90		***										
SW067	02/08/90		***										
SW067	03/15/90		***										
SW068	06/29/88	10 7 ± 4 96	6	12 3 ± 5 35	8	2 06 ± 0 320	0 09	NR		2 52 ± 0 361	0 1	NR	
SW068	03/29/89	8 ± 8		12 ± 4		2 9 ± 0 4		0 3 ± 0 1		3 9 ± 0 5		-0 1 ± 0 5	
SW068	05/17/89		***										
SW068	06/23/89		***										
SW068	07/20/89		***										
SW068	08/21/89		***										
SW068	09/26/89		***										
SW068	10/24/89		***										

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Dissolved Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Plutonium 239 240 pCi/l	Plutonium 239 240 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW046	03/17/90		***										
SW066	06/29/88	0 336 ± 0 134	0 06	NR		NR		NR		NR		NR	
SW066	03/29/89	0 00 ± 0 01		-0 01 ± 0 03		0 5 ± 0 6		NR		0 5 ± 0 3		NR	
SW066	05/17/89		***										
SW066	06/23/89		***										
SW066	07/20/89		***										
SW066	08/22/89		***										
SW066	09/26/89		***										
SW066	10/24/89		***										
SW066	11/17/89		***										
SW066	12/14/89		***										
SW066	01/11/90		***										
SW066	02/08/90		***										
SW066	03/14/90		***										
SW067	06/29/88	0 246 ± 0 142	0 08	NR		NR		NR		NR		NR	
SW067	04/04/89	0 00 ± 0 02		0 01 ± 0 01		0 1 ± 0 7		NR		0 0 ± 0 2		NR	
SW067	05/17/89		***										
SW067	05/31/89		***										
SW067	06/23/89		***										
SW067	07/20/89		***										
SW067	08/21/89		***										
SW067	09/26/89		***										
SW067	10/24/89		***										
SW067	11/16/89		***										
SW067	12/14/89		***										
SW067	01/11/90		***										
SW067	02/08/90		***										
SW067	03/15/90		***										
SW068	06/29/88	0 261 ± 0 126	0 06	NR		NR		NR		NR		NR	
SW068	03/29/89	0 00 ± 0 01		-0 01 ± 0 03		0 3 ± 0 7		NR		0 2 ± 0 2		NR	
SW068	05/17/89		***										
SW068	06/23/89		***										
SW068	07/20/89		***										
SW068	08/21/89		***										
SW068	09/26/89		***										
SW068	10/24/89		***										

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Dissolved Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89, 90 pCi/l	mda
SW068	11/16/89		***										
SW068	12/14/89		***										
SW068	01/11/90		***										
SW068	02/07/90		***										
SW068	03/15/90		***										
SW069	06/29/88	9 36 ± 4 79	6	15 9 ± 5 52	8	2 39 ± 0 545	0 09	NR		2 94 ± 0 612	0 1	NR	
SW069	03/29/89	7 ± 6		8 ± 3		3 0 ± 0 4		0 6 ± 0 2		3 6 ± 0 5		0 1 ± 0 5	
SW069	04/05/89		***										
SW069	05/16/89		***										
SW069	06/23/89		***										
SW069	07/20/89		***										
SW069	08/21/89		***										
SW069	09/26/89		***										
SW069	10/23/89		***										
SW069	11/16/89		***										
SW069	12/13/89		***										
SW069	01/11/90		***										
SW069	02/07/90		***										
SW069	03/15/90		***										
SW070	06/29/88	10 7 ± 4 96	6	15 0 ± 5 49	8	2 29 ± 0 599	0 1	NR		4 15 ± 8 12	0 2	NR	
SW070	03/29/89	5 ± 6		6 ± 3		1 6 ± 0 3		0 4 ± 0 1		3 2 ± 0 4		-0 2 ± 0 5	
SW070	05/16/89		***										
SW070	06/23/89		***										
SW070	07/20/89		***										
SW070	08/14/89		***										
SW070	08/14/89		***										
SW070	09/26/89		***										
SW070	10/23/89		***										
SW070	10/23/89		***										
SW070	11/16/89		***										
SW070	12/13/89		***										
SW070	01/11/90		***										
SW070	02/07/90		***										
SW070	03/15/90		***										

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Dissolved Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Plutonium 239 240 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW068	11/16/89		***										
SW068	12/14/89		***										
SW068	01/11/90		***										
SW068	02/07/90		***										
SW068	03/15/90		***										
SW069	06/29/88	0 180 ± 0 167	0 09	NR		NR		NR		NR		NR	
SW069	03/29/89	0 00 ± 0 01		-0 01 ± 0 03		-0 2 ± 0 6		NR		0 1 ± 0 2		NR	
SW069	04/05/89		***										
SW069	05/16/89		***										
SW069	06/23/89		***										
SW069	07/20/89		***										
SW069	08/21/89		***										
SW069	09/26/89		***										
SW069	10/23/89		***										
SW069	11/16/89		***										
SW069	12/13/89		***										
SW069	01/11/90		***										
SW069	02/07/90		***										
SW069	03/15/90		***										
SW070	06/29/88	0 110 ± 0 0857	0 04	NR		NR		NR		NR		NR	
SW070	03/29/89	0 00 ± 0 01		0 01 ± 0 01		-0 1 ± 0 6		NR		0 2 ± 0 3		NR	
SW070	05/16/89		***										
SW070	06/23/89		***										
SW070	07/20/89		***										
SW070	08/14/89		***										
SW070	08/14/89		***										
SW070	09/26/89		***										
SW070	10/23/89		***										
SW070	10/23/89		***										
SW070	11/16/89		***										
SW070	12/13/89		***										
SW070	01/11/90		***										
SW070	02/07/90		***										
SW070	03/15/90		***										

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Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89,90 pCi/l	mda
SW031	08/20/86	17 ± 7		15 ± 4		3 1 ± 0 4		NR		10 ± 1		NR	
SW031	05/26/87		***										
SW031	05/26/87	+7 ± 24		59 ± 2		5 5 ± 1 3		46 ± 45		14 ± 2		3 43	
SW031	06/28/88	NR		NR		2 41 ± 0 423	0 1	NR		2 71 ± 0 478	0 3	NR	
SW031	03/30/89	16 ± 12		16 ± 6		3 3 ± 0 5		0 0 ± 0 1		3 3 ± 0 5		0 2 ± 0 4	
SW031	05/17/89	9 ± 5	6	17 ± 3	4	2 2 ± 0 4	0 1	0 2 ± 0 1	0 1	3 2 ± 0 5	0 1	1 0 ± 0 6	0 9
SW031	06/27/89	35 ± 11	10	33 ± 5	6	4 2 ± 0 5	0	0 2 ± 0 1	0	5 0 ± 0 5	0	0 1 ± 0 3	0
SW031	07/21/89	1 ± 6	10	8 ± 3	5	3 5 ± 0 5	0 1	0 1 ± 0 1	0 1	2 6 ± 0 4	0 1	-0 1 ± 0 4	0 7
SW031	08/22/89	5 ± 4	5	6 ± 3	4	3 3 ± 0 5	0	0 1 ± 0 1	0	3 5 ± 0 5	0	0 0 ± 0 4	0
SW031	09/26/89	5 5 ± 1 3	R 1 3	7 5 ± 2 2	R 2 9	3 18 ± 1 16	V 46	10 ± 34	V 66	3 68 ± 1 21	V 0	13 ± 26	R 41
SW031	10/24/89	3 7 ± 1 1	1 0	8 9 ± 2 3	2 9	3 96 ± 1 13	0 36	0 47 ± 0 38	0	3 19 ± 1 00	0	0 73 ± 0 41	0 56
SW031	11/17/89	2 1 ± 1 4	2 0	6 0 ± 2 0	2 7	3 88 ± 1 18	0 00	0 18 ± 0 26	0 00	3 43 ± 1 11	0 00	0 41 ± 0 25	0 36
SW031	12/14/89	11 ± 6	5	13 ± 2	3	4 1 ± 1 1	2	2 ± 2	1	3 6 ± 1 0	1	0 ± 4	8
SW031	01/11/90	7 8 ± 1 5	1 3	8 6 ± 2 3	3 1	1 74 ± 0 64	0 08	0 15 ± 0 18	0 08	3 08 ± 0 89	0 00	0 26 ± 0 30	0 46
SW031	02/20/90	5 ± 3	2	3 ± 1	2	3 3 ± 0 8	0 3	0 1 ± 0 2	0 3	3 0 ± 0 8	0 1	0 2 ± 0 3	0 3
SW031	03/14/90		Data not yet received										
SW032	08/20/86	4 ± 3		18 ± 3		0 03 ± 0 13		NR		0 04 ± 0 11		NR	
SW032	05/26/87	8 ± 4		10 ± 5		2 9 ± 1 9		07 ± 50		1 2 ± 1 3		3 15	
SW032	07/30/87		***										
SW032	11/11/87		***										
SW032	06/21/88	NR		NR		0 382 ± 0 114	0 2	NR		0 251 ± 0 126	0 2	NR	
SW032	06/21/88	NR		NR		0 455 ± 0 116	0 1	NR		0 426 ± 0 133	0 2	NR	
SW032	04/05/89	2 ± 4		3 ± 3		0 1 ± 0 1		0 0 ± 0 1		0 2 ± 0 1		0 2 ± 0 5	
SW032	05/24/89	3 ± 4		5 ± 3		1 0 ± 0 3		0 0 ± 0 1		0 6 ± 0 2		-0 2 ± 0 4	
SW032	06/21/89	0 ± 3	5	2 ± 2	4	0 5 ± 0 2	0	0 0 ± 0 1	0	0 5 ± 0 2	0	0 3 ± 0 2	0
SW032	07/19/89	4 ± 4	5	4 ± 2	3	0 1 ± 0 1	0 1	0 1 ± 0 1	0 1	0 0 ± 0 1	0 1	0 1 ± 0 4	0 7
SW032	08/04/89	12 ± 19	29	41 ± 9	12	0 1 ± 0 1	0 1	0 0 ± 0 1	0 1	0 1 ± 0 2	0 1	0 2 ± 0 8	1 3
SW032	09/19/89	1 1 ± 9	1 2	3 3 ± 1 8	2 6	77 ± 82	V 85	26 ± 37	V 0	77 ± 63	V 0	1 09 ± .49	66
SW032	10/13/89	1 6 ± 0 8	1 0	2 6 ± 1 7	2 6	0 60 ± 0 54	0	0 12 ± 0 24	0	0 84 ± 0 64	0	0 24 ± 0 41	0 64
SW032	11/13/89	1 1 ± 1 3	1 6	2 2 ± 8	1 1	9 ± 4	1	11 ± 11	16	4 ± 3	04	3 ± 2	.8
SW032	12/15/89	1 7 ± 1 5	1 8	2 2 ± 8	1 1	5 ± 2	1	04 ± 04	02	38 ± 18	04	2 ± 2	4
SW032	01/16/90		Data not yet received										
SW032	02/20/90	5 ± 1 0	1 5	2 ± 1	2	0 7 ± 0 3	0 2	-0 03 ± 0 06	0 14	0 3 ± 0 2	0 07	0 3 ± 0 2	0 2
SW032	03/23/90		Data not yet received										
SW033	08/21/86		DRY										
SW033	07/01/88	NR		NR		1 02 ± 0 165	0 08	NR		0 857 ± 0 148	0 03	NR	
SW033	04/04/89	-1 ± 3		3 ± 2		0 3 ± 0 2		0 0 ± 0 1		0 3 ± 0 1		0 1 ± 0 5	

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Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Plutonium 239 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW031	08/20/86	-0 01 ± 0 28		-0 02 ± 0 06		NR		0 18 ± 0 24		NR		NR	
SW031	05/26/87		***										
SW031	05/26/87	39 ± 84		0 0 ± 1 3		<0 3		<110		NR		NR	
SW031	06/28/88	0 0410 ± 0 135	0 2	NR		NR		113 ± 316	500	NR		NR	
SW031	03/30/89	0 02 ± 0 03		0 01 ± 0 02		0 4 ± 0 7		300 ± 160		0 4 ± 0 3		NR	
SW031	05/17/89	0 01 ± 0 01	0 01	0 00 ± 0 01	0 01	0 2 ± 0 5	0 9	300 ± 210	280	0 0 ± 0 3	0 3	NR	
SW031	06/27/89	0 01 ± 0 01	0	0 03 ± 0 01	0	0 6 ± 0 5	0	90 ± 230	31	1 6 ± 0 4	0	NR	
SW031	07/21/89	0 00 ± 0 01	0 01	0 00 ± 0 01	0 01	0 2 ± 0 5	0 8	290 ± 230	310	NR		NR	
SW031	08/22/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 3 ± 0 6	1	170 ± 220	29	0 0 ± 0 2	0	NR	
SW031	09/26/89	006 ± 011	V 015	090 ± 035	R 0	- 39 ± 68	A 1 21	50 ± 240	R 400	0 47 ± 0 10	0 13	NR	
SW031	10/24/89	NR		NR		0 16 ± 0 48	0 78	-200 ± 190	330	NR		NR	
SW031	11/17/89	NR		NR		-0 06 ± 0 49	0 82	-70 ± 270	450	NR		NR	
SW031	12/14/89	008 ± 006	005	010 ± 009	009	05 ± 10	2	NR		1 2 ± 2	1	NR	
SW031	01/11/90	0 004 ± 0 004	0 004	NR		-0 11 ± 0 52	0 88	50 ± 230	370	NR		NR	
SW031	02/20/90	0 003 ± 0 006	0 011	0 001 ± 0 005	0 006	-0 3 ± 0 2	0 8	NR		NR		NR	
SW031	03/14/90		Data not yet received										
SW032	08/20/86	0 23 ± 0 87		0 01 ± 0 03		NR		-0 05 ± 0 22		NR		NR	
SW032	05/26/87	26 ± 82		0 0 ± 1 2		<0 3		<110		NR		NR	
SW032	07/30/87		***										
SW032	11/11/87		***										
SW032	06/21/88	0 128 ± 0 111	0 2	NR		NR		0 00 ± 298	500	NR		NR	
SW032	06/21/88	0 048 ± 0 287	0 4	NR		NR		753 ± 307	500	NR		NR	
SW032	04/05/89	0 00 ± 0 03		0 00 ± 0 02		0 0 ± 0 8		160 ± 150		NR		NR	
SW032	05/24/89	0 01 ± 0 01		0 00 ± 0 01		-0 1 ± 0 5		50 ± 150		NR		NR	
SW032	06/21/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 1 ± 0 5	0	**		NR		NR	
SW032	07/19/89	0 00 ± 0 01	0 01	0 00 ± 0 01	0 01	0 2 ± 0 6	1 0	110 ± 220	300	NR		NR	
SW032	08/04/89	0 00 ± 0 01	0 01	0 00 ± 0 01	0 01	0 1 ± 0 5	0 9	180 ± 220	300	1 8 ± 0 3	0 2	NR	
SW032	09/19/89	013 ± 007	V 0	321 ± 077	R 0	- 04 ± 51	85	-250 ± 220	380	NR		NR	
SW032	10/13/89	0 009 ± 0 008	0	NR		0 06 ± 0 49	0 80	-310 ± 300	52	NR		NR	
SW032	11/13/89	030 ± 009	003	002 ± 006	005	2 ± 5	1	NR		NR		NR	
SW032	12/15/89	0 ± 0013	003	001 ± 005	006	04 ± 16	5	NR		NR		NR	
SW032	01/16/90		Data not yet received										
SW032	02/20/90	-0 001 ± 0 003	0 007	0 003 ± 0 005	0 006	0 1 ± 0 3	0 7	NR		NR		NR	
SW032	03/23/90		Data not yet received										
SW033	08/21/86		DRY										
SW033	07/01/88	0 103 ± 0 0631	0 05	NR		NR		0 00 ± 287	500	NR		NR	
SW033	04/04/89	-0 01 ± 0 02		0 01 ± 0 01		0 1 ± 0 7		180 ± 220		NR		NR	

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Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Total Uranium pCi/l	Total Uranium mda	Thorium 231 pCi/l	Thorium 231 mda	Thorium 232 pCi/l	Thorium 232 mda
SW031	08/20/86	13 100		NR		NR	
SW031	05/26/87	***					
SW031	05/26/87	19 960		NR		NR	
SW031	06/28/88	5 120		NR		NR	
SW031	03/30/89	6 600		NR		NR	
SW031	05/17/89	5 600		NR		NR	
SW031	06/27/89	9 400		NR		NR	
SW031	07/21/89	6 200		NR		NR	
SW031	08/22/89	6 900		NR		NR	
SW031	09/26/89	6 960		NR		NR	
SW031	10/24/89	7 620		NR		NR	
SW031	11/17/89	7 490		NR		NR	
SW031	12/14/89	NR		NR		NR	
SW031	01/11/90	NR		NR		NR	
SW031	02/20/90	NR		NR		NR	
SW031	03/14/90	Data not yet received					
SW032	08/20/86	0 070		NR		NR	
SW032	05/26/87	4 170		NR		NR	
SW032	07/30/87	***					
SW032	11/11/87	***					
SW032	06/21/88	0 633		NR		NR	
SW032	06/21/88	0 881		NR		NR	
SW032	04/05/89	0 300		NR		NR	
SW032	05/24/89	1 600		NR		NR	
SW032	06/21/89	1 000		NR		NR	
SW032	07/19/89	NR		NR		NR	
SW032	08/04/89	0 200		NR		NR	
SW032	09/19/89	1 800		NR		NR	
SW032	10/13/89	1 560		NR		NR	
SW032	11/13/89	NR		NR		NR	
SW032	12/15/89	NR		NR		NR	
SW032	01/16/90	Data not yet received					
SW032	02/20/90	NR		NR		NR	
SW032	03/23/90	Data not yet received					
SW033	08/21/86	DRY					
SW033	07/01/88	1 877		NR		NR	
SW033	04/04/89	0 600		NR		NR	

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Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Gross Alpha pCi/l	Gross Alpha mda	Gross Beta pCi/l	Gross Beta mda	Uranium 233 234 pCi/l	Uranium 233 234 mda	Uranium 235 pCi/l	Uranium 235 mda	Uranium 238 pCi/l	Uranium 238 mda	Strontium 89,90 pCi/l	Strontium 89,90 mda
SW033	05/24/89	3 ± 4		3 ± 3		1 0 ± 0 3		0 0 ± 0 1		0 8 ± 0 3		0 2 ± 0 4	
SW033	06/21/89	-1 ± 2	4	8 ± 3	4	1 3 ± 0 3	0	0 0 ± 0 1	0	0 6 ± 0 2	0	0 5 ± 0 4	0
SW033	07/19/89		DRY										
SW033	08/04/89		DRY										
SW033	09/19/89	2 5 ± 1 0	1 1	5 0 ± 1 9	2 7	1 36 ± 75	V 63	08 ± 27	V 36	1 17 ± 72	V 51	68 ± 40	57
SW033	10/13/89	1 9 ± 0 7	0 9	3 7 ± 1 9	2 8	1 24 ± 0 40	0	0 20 ± 0 16	0	1 11 ± 0 36	0	0 78 ± 0 35	0 47
SW033	11/13/89	2 0 ± 1 9	1 9	35 9 ± 1 9	1 1	1 2 ± 6	1	16 ± 16	11	7 ± 4	1	1 ± 3	6
SW033	11/13/89	1 2 ± 1 4	1 7	1 7 ± 8	1 1	1 9 ± 7	03	0 ± 13	06	1 0 ± 4	2	4 ± 2	4
SW033	12/15/89	7 ± 1 1	1 6	1 9 ± 7	1 0	8 ± 3	1	03 ± 05	05	7 ± 3	02	3 ± 3	4
SW033	01/16/90		Data not yet received										
SW033	02/20/90	2 ± 2	2	3 ± 1	2	1 0 ± 0 3	0 2	0 03 ± 0 05	0 08	0 5 ± 0 2	0 03	0 5 ± 0 3	0 3
SW033	03/23/90		Data not yet received										
SW034	08/20/86	2 ± 2		1 ± 2		-0 06 ± 0 16		NR		-0 05 ± 0 32		NR	
SW034	07/01/88	NR		NR		0 190 ± 0 179	0 2	NR		0 0684 ± 0 113	0 1	NR	
SW034	07/01/88	NR		NR		0 0547 ± 0 0832	0 09	NR		0 0674 ± 0 0634	0 06	NR	
SW034	04/05/89	1 ± 4		2 ± 3		0 3 ± 0 1		0 0 ± 0 1		0 1 ± 0 1		0 1 ± 0 4	
SW034	05/24/89	9 ± 5		6 ± 3		0 7 ± 0 2		0 0 ± 0 1		1 7 ± 0 3		0 1 ± 0 4	
SW034	06/21/89	2 ± 3	5	5 ± 2	4	0 0 ± 0 2	0	0 0 ± 0 1	0	0 0 ± 0 2	0	0 4 ± 0 4	0
SW034	07/12/89	5 ± 4	5	0 ± 2	4	0 0 ± 0 1	0	0 0 ± 0 1	0	0 0 ± 0 1	0	0 5 ± 0 4	0
SW034	08/04/89	4 ± 5	7	2 ± 2	3	0 1 ± 0 1	0 1	0 0 ± 0 1	0 1	0 1 ± 0 1	0 1	0 1 ± 0 6	0 9
SW034	09/19/89	8 ± 7	1 0	4 3 ± 1 9	2 7	18 ± 79	V 1 17	- 18 ± 35	V 83	35 ± 50	V 0	29 ± 44	68
SW034	10/13/89	0 7 ± 0 7	1 0	0 4 ± 1 7	2 8	0 45 ± 0 28	0 18	0 04 ± 0 08	0	0 49 ± 0 27	0	0 29 ± 0 40	0 63
SW034	11/10/89		Data not yet received										
SW034	12/15/89	6 ± 7	9	3 2 ± 8	1 0	17 ± 13	06	0 ± 05	05	13 ± 09	06	4 ± 2	4
SW034	01/15/90	0 6 ± 0 7	1 1	4 5 ± 1 9	2 8	0 26 ± 0 30	0 00	0 09 ± 0 17	0 00	0 08 ± 0 18	0 13	0 52 ± 0 32	0 45
SW034	01/15/90	0 4 ± 0 7	1 0	4 3 ± 1 9	2 8	0 30 ± 0 35	0 00	0 08 ± 0 16	0 21	0 39 ± 0 41	0 15	0 23 ± 0 33	0 60
SW034	02/20/90	1 ± 1	2	1 ± 1	2	0 4 ± 0 2	0 2	0 00 ± 0 07	0 16	0 2 ± 0 2	0 1	0 5 ± 0 2	0 3
SW034	03/23/90		Data not yet received										
SW044	05/26/87	21 ± 7		59 ± 5		7 1 ± 1 8		27 ± 50		8 5 ± 1 9		<0 6	
SW044	06/28/88	NR		NR		4 22 ± 0 342	0 1	NR		3 61 ± 0 334	0 2	NR	
SW044	04/03/89	3 ± 7		7 ± 3		2 7 ± 0 4		0 1 ± 0 1		4 3 ± 0 5		-0 1 ± 0 4	
SW044	05/17/89	7 ± 7	9	12 ± 4	5	1 8 ± 0 5	0 1	0 1 ± 0 2	0 1	3 1 ± 0 6	0 1	-0 2 ± 0 4	0 7
SW044	05/30/89		***										
SW044	06/21/89	8 ± 3	4	16 ± 3	0	2 9 ± 0 4	0	0 1 ± 0 1	0	2 9 ± 0 4	0	-0 1 ± 0 3	0
SW044	07/18/89		Data not yet received										
SW044	08/16/89	6 ± 5	6	6 ± 3	4	4 3 ± 0 5	0	0 1 ± 0 1	0	3 9 ± 0 5	0	-0 4 ± 0 5	0
SW044	09/22/89	4 4 ± 1 3	1 5	7 5 ± 2 2	3 0	6 68 ± 1 64	V 46	10 ± 34	V 46	4 22 ± 1 29	V 0	26 ± 34	52

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Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Plutonium 239 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW033	05/24/89	0 01 ± 0 01		0 00 ± 0 01		-0 1 ± 0 5		460 ± 160		NR		NR	
SW033	06/21/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 1 ± 0 4	0	70 ± 210	28	NR		NR	
SW033	07/19/89		DRY										
SW033	08/04/89		DRY										
SW033	09/19/89	010 ± 007	V 0	039 ± 020	R 014	02 ± 44	71	-250 ± 220	380	NR		NR	
SW033	10/13/89	0 006 ± 0 005	0	NR		0 16 ± 0 53	0 84	-160 ± 310	52	NR		NR	
SW033	11/13/89	002 ± 004	005	004 ± 006	006	0 ± 2	8	NR		NR		NR	
SW033	11/13/89	007 ± 005	006	012 ± 010	010	1 ± 3	9	NR		NR		NR	
SW033	12/15/89	007 ± 005	004	007 ± 006	005	- 10 ± 17	6	NR		NR		NR	
SW033	01/16/90		Data not yet received										
SW033	02/20/90	-0 001 ± 0 005	0 009	0 007 ± 0 009	0 008	0 2 ± 0 2	0 6	NR		NR		NR	
SW033	03/23/90		Data not yet received										
SW034	08/20/86	0 02 ± 0 06		-0 01 ± 0 05		NR		0 10 ± 0 21		NR		NR	
SW034	07/01/88	0 0190 ± 0 0976	0 1	NR		NR		0 00 ± 291	500	NR		NR	
SW034	07/01/88	0 412 ± 0 145	0 05	NR		NR		0 00 ± 316	500	NR		NR	
SW034	04/05/89	0 00 ± 0 03		0 00 ± 0 03		-0 2 ± 0 7		160 ± 150		NR		NR	
SW034	05/24/89	0 01 ± 0 01		0 00 ± 0 01		-0 1 ± 0 5		130 ± 150		0 3 ± 0 3		NR	
SW034	06/21/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 3 ± 0 5	0	40 ± 210	28	NR		NR	
SW034	07/12/89	0 01 ± 0 01	0	0 00 ± 0 01	0	0 4 ± 0 5	0	90 ± 150	25	0 8 ± 0 2	0	NR	
SW034	08/04/89	0 00 ± 0 01	0 01	0 00 ± 0 01	0 01	0 7 ± 0 6	1 0	310 ± 220	300	0 2 ± 0 3	0 3	NR	
SW034	09/19/89	009 ± 005	V 0	433 ± 153	R 0	19 ± 49	78	120 ± 220	360	NR		NR	
SW034	10/13/89	0 003 ± 0 004	0	NR		0 34 ± 0 52	0 81	-260 ± 300	52	NR		NR	
SW034	11/10/89		Data not yet received										
SW034	12/15/89	- 002 ± 004	009	001 ± 005	005	- 03 ± 14	5	NR		NR		NR	
SW034	01/15/90	0 008 ± 0 007	0 000	NR		0 02 ± 0 51	0 84	70 ± 240	390	NR		NR	
SW034	01/15/90	0 004 ± 0 005	0 000	NR		-0 04 ± 0 48	0 79	-50 ± 230	390	NR		NR	
SW034	02/20/90	-0 001 ± 0 004	0 008	0 007 ± 0 011	0 011	0 0 ± 0 3	0 8	NR		NR		NR	
SW034	03/23/90		Data not yet received										
SW044	05/26/87	0 0 ± 71		0 0 ± 1 2		<0 3		<110		NR		NR	
SW044	06/28/88	0 00 ± 0 0728	0 1	NR		NR		416 ± 313	800	NR		NR	
SW044	04/03/89	0 00 ± 0 02		0 01 ± 0 01		0 0 ± 0 6		260 ± 160		NR		NR	
SW044	05/17/89	0 01 ± 0 01	0 01	0 00 ± 0 02	0 01	-0 5 ± 0 7	1 0	420 ± 150	240	0 5 ± 0 3	0 1	NR	
SW044	05/30/89		***										
SW044	06/21/89	0 01 ± 0 01	0	0 00 ± 0 01	0	0 4 ± 0 6	0	80 ± 210	28	0 5 ± 0 3	0	NR	
SW044	07/18/89		Data not yet received										
SW044	08/16/89	0 00 ± 0 01	0	0 01 ± 0 01	0	-0 1 ± 0 5	0	380 ± 220	29	0 2 ± 0 2	0	NR	
SW044	09/22/89	003 ± 005	V 007	298 ± 063	R 025	- 27 ± 50	86	-310 ± 230	400	NR		NR	

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Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89 90 pCi/l	mda
SW044	10/19/89	6 7 ± 1 5	1 4	13 1 ± 2 4	2 8	3 58 ± 1 04	0	0 19 ± 0 38	0	2 26 ± 1 41	0 88	0 88 ± 0 58	0 83
SW044	11/10/89		Data not yet received										
SW044	12/08/89		Data not yet received										
SW044	01/17/90		Data not yet received										
SW044	02/19/90	3 ± 3	4	7 7 ± 1 7	2 0	2 1 ± 7	2	3 ± 2	1	3 1 ± 9	2	0 ± 2	3
SW044	03/17/90		Data not yet received										
SW045	05/26/87	13 ± 18		14 ± 31		5 5 ± 1 9		0 0 ± 37		4 7 ± 1 7		1 78	
SW045	11/17/87		***										
SW045	06/28/88	NR		NR		4 96 ± 0 439	0 2	NR		3 84 ± 0 416	0 3	NR	
SW045	04/04/89	0 ± 10		12 ± 6		6 6 ± 0 9		0 7 ± 0 3		5 0 ± 0 8		0 2 ± 0 4	
SW045	05/18/89		Data not yet received										
SW045	05/30/89		***										
SW045	06/21/89	11 ± 4	4	28 ± 3	4	6 8 ± 0 7	0	0 3 ± 0 1	0	5 2 ± 0 6	0	-0 2 ± 0 3	0
SW045	07/18/89		Data not yet received										
SW045	08/16/89	12 ± 6	7	9 ± 3	4	5 3 ± 0 6	0	0 2 ± 0 1	0	3 6 ± 0 5	0	0 0 ± 0 6	0
SW045	09/22/89	7 0 ± 1 5	1 4	9 6 ± 2 2	2 7	4 80 ± 1 23 V	36	08 ± 00 V	61	5 10 ± 1 27 V	36	16 ± 30	48
SW045	10/19/89	8 3 ± 1 7	1 5	9 6 ± 2 4	3 1	4 29 ± 1 72	0	0 69 ± 0 69	0	3 43 ± 1 61	0 80	0 42 ± 0 42	0 62
SW045	11/10/89		Data not yet received										
SW045	12/08/89		Data not yet received										
SW045	01/16/90		Data not yet received										
SW045	02/19/90	6 ± 3	3	5 2 ± 1 2	1 4	3 8 ± 1 2	2	2 ± 3	2	3 0 ± 1 0	2	03 ± 13	2
SW045	02/19/90	15 ± 6	5	11 ± 2	3	4 6 ± 1 1	1	2 ± 2	1	3 2 ± 9	1	05 ± 13	2
SW045	03/17/90		Data not yet received										
SW046	05/26/87	-9 ± 6		-5 ± 7		7 5 ± 3 5		0 0 ± 1 4		0 9 ± 2 3		0 65	
SW046	06/27/88	NR		NR		4 77 ± 0 632	0 1	NR		3 94 ± 0 585	0 2	NR	
SW046	04/04/89	13 ± 11		9 ± 4		4 4 ± 0 6		0 5 ± 0 2		4 2 ± 0 6		-0 2 ± 0 4	
SW046	05/18/89		Data not yet received										
SW046	05/30/89		***										
SW046	06/21/89	8 ± 3	4	18 ± 3	4	5 7 ± 0 6	0	0 3 ± 0 1	0	4 2 ± 0 5	0	0 1 ± 0 4	0
SW046	07/18/89		Data not yet received										
SW046	08/16/89	12 ± 5	6	9 ± 3	4	5 9 ± 0 7	0	0 1 ± 0 1	0	3 6 ± 0 5	0	0 2 ± 0 6	0
SW046	09/22/89	6 5 ± 1 5	1 3	13 5 ± 2 4	2 7	5 50 ± 1 41 V	41	26 ± 30 V	0	3 23 ± 1 09 V	41	24 ± 36	57
SW046	10/19/89	7 8 ± 1 6	1 3	7 8 ± 2 2	3 0	5 68 ± 1 15	0	0 27 ± 0 19	0	5 41 ± 1 12	0 11	0 22 ± 0 41	0 64
SW046	11/10/89		Data not yet received										
SW046	12/08/89		Data not yet received										
SW046	01/16/90		Data not yet received										
SW046	02/19/90	11 ± 5	5	11 ± 3	4	4 6 ± 1 2	2	2 ± 2	1	3 7 ± 1 0	1	2 ± 4	8

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Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Total Uranium pCi/l	mda	Thorium 231 pCi/l	mda	Thorium 232 pCi/l	mda
SW033	05/24/89	1 800		NR		NR	
SW033	06/21/89	1 900		NR		NR	
SW033	07/19/89		DRY				
SW033	08/04/89		DRY				
SW033	09/19/89	2 610		NR		NR	
SW033	10/13/89	2 550		NR		NR	
SW033	11/13/89	NR		NR		NR	
SW033	11/13/89	NR		NR		NR	
SW033	12/15/89	NR		NR		NR	
SW033	01/16/90		Data not yet received				
SW033	02/20/90	NR		NR		NR	
SW033	03/23/90		Data not yet received				
SW034	08/20/86	-0 110		NR		NR	
SW034	07/01/88	0 258		NR		NR	
SW034	07/01/88	0 122		NR		NR	
SW034	04/05/89	0 400		NR		NR	
SW034	05/24/89	2 400		NR		NR	
SW034	06/21/89	0 000		NR		NR	
SW034	07/12/89	0 000		NR		NR	
SW034	08/04/89	0 200		NR		NR	
SW034	09/19/89	0 350		NR		NR	
SW034	10/13/89	0 980		NR		NR	
SW034	11/10/89		Data not yet received				
SW034	12/15/89	NR		NR		NR	
SW034	01/15/90	NR		NR		NR	
SW034	01/15/90	NR		NR		NR	
SW034	02/20/90	NR		NR		NR	
SW034	03/23/90		Data not yet received				
SW044	05/26/87	15 870		NR		NR	
SW044	06/28/88	7 830		NR		NR	
SW044	04/03/89	7 100		NR		NR	
SW044	05/17/89	5 000		NR		NR	
SW044	05/30/89		***				
SW044	06/21/89	5 900		NR		NR	
SW044	07/18/89		Data not yet received				
SW044	08/16/89	8 300		NR		NR	
SW044	09/22/89	11 000		NR		NR	

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Total Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Plutonium 239 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW044	10/19/89	NR		NR		-0 16 ± 0 55	0 92	-170 ± 190	330	NR		NR	
SW044	11/10/89	Data not yet received											
SW044	12/08/89	Data not yet received											
SW044	01/17/90	Data not yet received											
SW044	02/19/90	004 ± 006	009	008 ± 009	005	- 06 ± 13	3	NR		NR		NR	
SW044	03/17/90	Data not yet received											
SW045	05/26/87	0 0 ± 55		0 0 ± 1 2		<0 3		<110		NR		NR	
SW045	11/17/87	***											
SW045	06/28/88	0 0312 ± 0 0824	0 1	NR		NR		638 ± 315	500	NR		NR	
SW045	04/04/89	0 03 ± 0 02		0 01 ± 0 01		0 2 ± 0 6		240 ± 220		NR		NR	
SW045	05/18/89	Data not yet received											
SW045	05/30/89	***											
SW045	06/21/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 1 ± 0 5	0	40 ± 210	28	0 6 ± 0 3	0	NR	
SW045	07/18/89	Data not yet received											
SW045	08/16/89	0 00 ± 0 01	0	0 00 ± 0 01	0	-0 1 ± 0 6	1	310 ± 220	29	0 1 ± 0 2	0	NR	
SW045	09/22/89	009 ± 009	V 007	204 ± 067	R 0	- 08 ± 50	84	-90 ± 220	380	0 66 ± 0 09	0 09	NR	
SW045	10/19/89	NR		NR		0 04 ± 0 50	0 82	-190 ± 200	340	NR		NR	
SW045	11/10/89	Data not yet received											
SW045	12/08/89	Data not yet received											
SW045	01/16/90	Data not yet received											
SW045	02/19/90	004 ± 008	010	004 ± 015	010	- 2 ± 2	6	NR		NR		NR	
SW045	02/19/90	0 ± 003	006	001 ± 010	014	- 07 ± 13	7	NR		NR		NR	
SW045	03/17/90	Data not yet received											
SW046	05/26/87	29 ± 73		0 0 ± 1 3		<0 3		<110		NR		NR	
SW046	06/27/88	0 401 ± 0 321	0 2	NR		NR		1100 ± 310	500	NR		NR	
SW046	04/04/89	0 01 ± 0 02		0 00 ± 0 01		0 3 ± 0 6		240 ± 220		0 2 ± 0 2		NR	
SW046	05/18/89	Data not yet received											
SW046	05/30/89	***											
SW046	06/21/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 2 ± 0 4	0	30 ± 210	28	1 1 ± 0 4	0	NR	
SW046	07/18/89	Data not yet received											
SW046	08/16/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 0 ± 0 5	0	380 ± 220	29	0 5 ± 0 2	0	NR	
SW046	09/22/89	011 ± 007	V 004	036 ± 050	R 0	- 36 ± 47	82	-100 ± 240	400	0 81 ± 0 14	0 13	NR	
SW046	10/19/89	NR		NR		0 06 ± 0 55	0 90	-110 ± 240	400	NR		NR	
SW046	11/10/89	Data not yet received											
SW046	12/08/89	Data not yet received											
SW046	01/16/90	Data not yet received											
SW046	02/19/90	0 ± 008	013	0 ± 003	004	- 1 ± 2	7	NR		NR		NR	

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Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Total Uranium pCi/l	mda	Thorium 231 pCi/l	mda	Thorium 232 pCi/l	mda
SW044	10/19/89	NR		NR		NR	
SW044	11/10/89	Data not yet received					
SW044	12/08/89	Data not yet received					
SW044	01/17/90	Data not yet received					
SW044	02/19/90	NR		NR		NR	
SW044	03/17/90	Data not yet received					
SW045	05/26/87	10 200		NR		NR	
SW045	11/17/87	***					
SW045	06/28/88	8 800		NR		NR	
SW045	04/04/89	12 300		NR		NR	
SW045	05/18/89	Data not yet received					
SW045	05/30/89	***					
SW045	06/21/89	12 300		NR		NR	
SW045	07/18/89	Data not yet received					
SW045	08/16/89	9 100		NR		NR	
SW045	09/22/89	9 980		NR		NR	
SW045	10/19/89	NR		NR		NR	
SW045	11/10/89	Data not yet received					
SW045	12/08/89	Data not yet received					
SW045	01/16/90	Data not yet received					
SW045	02/19/90	NR		NR		NR	
SW045	02/19/90	NR		NR		NR	
SW045	03/17/90	Data not yet received					
SW046	05/26/87	8 400		NR		NR	
SW046	06/27/88	8 710		NR		NR	
SW046	04/04/89	9 100		NR		NR	
SW046	05/18/89	Data not yet received					
SW046	05/30/89	***					
SW046	06/21/89	10 200		NR		NR	
SW046	07/18/89	Data not yet received					
SW046	08/16/89	9 600		NR		NR	
SW046	09/22/89	8 990		NR		NR	
SW046	10/19/89	NR		NR		NR	
SW046	11/10/89	Data not yet received					
SW046	12/08/89	Data not yet received					
SW046	01/16/90	Data not yet received					
SW046	02/19/90	NR		NR		NR	

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Total Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89 90 pCi/l	mda
SW046	03/17/90	Data not yet received											
SW066	06/29/88	NR		NR		2 31 ± 0 202	0 08	NR		2 74 ± 0 226	0 1	NR	
SW066	03/29/89	5 ± 8		10 ± 4		2 8 ± 0 4		0 2 ± 0 1		3 4 ± 0 5		-0 3 ± 0 5	
SW066	05/17/89	4 ± 5	8	8 ± 3	5	4 1 ± 0 8	0 1	0 2 ± 0 2	0 1	3 7 ± 0 7	0 1	-0 2 ± 0 4	0 6
SW066	06/23/89	10 ± 4	5	10 ± 3	4	3 2 ± 0 5	0	0 1 ± 0 1	0	4 2 ± 0 6	0	0 1 ± 0 4	0
SW066	07/20/89	12 ± 7	9	10 ± 3	4	4 1 ± 0 5	0 1	0 2 ± 0 1	0 1	3 7 ± 0 5	0 1	0 1 ± 0 4	0 7
SW066	08/22/89	4 ± 4	6	6 ± 3	4	2 9 ± 0 4	0	0 1 ± 0 1	0	3 1 ± 0 4	0	0 0 ± 0 4	0
SW066	09/26/89	5 9 ± 1 2	R 1 2	9 0 ± 2 2	R 2 8	3 88 ± 1 38	V 73	22 ± 31	V 0	3 54 ± 1 25	V 0	07 ± 27	V 43
SW066	10/24/89	2 3 ± 0 7	0 6	4 7 ± 1 7	2 4	2 72 ± 0 84	0	0 19 ± 0 22	0	3 18 ± 0 91	0	0 61 ± 0 39	0 56
SW066	11/17/89	1 9 ± 1 0	1 1	5 6 ± 1 8	2 4	3 23 ± 1 00	0 00	0 15 ± 0 22	0 00	3 38 ± 1 02	0 00	0 47 ± 0 26	0 36
SW066	12/14/89	10 ± 5	4	11 ± 3	4	4 1 ± 1 0	1	2 ± 2	1	4 3 ± 1 1	04	7 ± 4	4
SW066	01/11/90	12 3 ± 1 9	1 4	11 6 ± 2 4	3 0	2 08 ± 1 25	0 237	0 16 ± 0 32	0 00	3 50 ± 1 70	0 41	0 26 ± 0 33	0 51
SW066	02/08/90	Data not yet received											
SW066	03/14/90	Data not yet received											
SW067	06/29/88	NR		NR		2 29 ± 0 235	0 1	NR		2 67 ± 0 262	0 2	NR	
SW067	04/04/89	59 ± 47		91 ± 19		7 5 ± 0 8		0 3 ± 0 2		11 ± 1		0 1 ± 0 5	
SW067	05/17/89	52 ± 27	35	63 ± 16	22	0 3 ± 0 3	0 1	0 0 ± 0 2	0 1	0 4 ± 0 3	0 1	-0 3 ± 0 4	0 7
SW067	05/31/89		***										
SW067	06/23/89	230 ± 70	66	140 ± 20	30	4 1 ± 0 5	0	0 3 ± 0 1	0	5 1 ± 0 6	0	0 1 ± 0 3	0
SW067	07/20/89	11 ± 8	10	12 ± 4	5	3 6 ± 0 4	0 1	0 1 ± 0 1	0 1	3 2 ± 0 4	0 1	0 0 ± 0 4	0 7
SW067	08/21/89	6 ± 4	6	8 ± 3	4	2 9 ± 0 5	0	0 1 ± 0 1	0	4 2 ± 0 6	0	-0 1 ± 0 3	0
SW067	09/26/89	8 6 ± 1 5	R 1 1	19 4 ± 2 8	R 3 0	3 99 ± 1 17	V 39	08 ± 29	V 39	4 73 ± 1 28	V 39	08 ± 46	R 46
SW067	10/24/89	2 9 ± 1 1	1 4	9 2 ± 2 2	2 7	2 93 ± 1 02	0	0 27 ± 0 31	0	2 66 ± 0 97	0	0 37 ± 0 41	0 63
SW067	11/16/89	3 6 ± 1 4	1 6	8 7 ± 2 1	2 7	3 64 ± 1 09	0 00	0 32 ± 0 32	0 00	3 48 ± 1 06	0 00	0 38 ± 0 23	0 32
SW067	12/14/89	40 ± 13	9	43 ± 7	7	3 4 ± 9	2	4 ± 3	2	4 5 ± 1 1	2	1 0 ± 3	4
SW067	01/11/90	6 9 ± 1 5	1 4	5 2 ± 2 1	3 0	3 83 ± 1 02	0 23	0 05 ± 0 10	0 00	4 58 ± 1 14	0 13	0 14 ± 0 26	0 41
SW067	02/08/90	Data not yet received											
SW067	03/15/90	Data not yet received											
SW068	06/29/88	NR		NR		2 48 ± 0 237	0 1	NR		2 85 ± 0 263	0 2	NR	
SW068	03/29/89	11 ± 8		8 ± 4		2 8 ± 0 4		0 3 ± 0 1		3 5 ± 0 4		-0 2 ± 0 4	
SW068	05/17/89	4 ± 7	11	12 ± 3	4	3 7 ± 0 5	0 1	0 1 ± 0 1	0 1	4 4 ± 0 6	0 1	0 0 ± 0 4	0 7
SW068	06/23/89	7 ± 4	5	9 ± 3	4	3 1 ± 0 4	0	0 0 ± 0 1	0	3 2 ± 0 5	0	0 3 ± 0 4	0
SW068	07/20/89	10 ± 6	7	8 ± 3	4	3 4 ± 0 6	0 1	0 0 ± 0 1	0 1	3 3 ± 0 5	0 1	0 0 ± 0 5	0 9
SW068	08/21/89	6 ± 4	5	7 ± 3	4	3 0 ± 0 4	0	0 1 ± 0 1	0	3 2 ± 0 4	0	0 2 ± 0 5	0
SW068	09/26/89	9 2 ± 1 2	R 8	27 4 ± 3 0	R 2 8	4 27 ± 1 25	V 41	44 ± 39	V 0	4 97 ± 1 32	V 0	32 ± 28	R 42
SW068	10/24/89	6 4 ± 1 6	1 7	9 9 ± 2 2	2 6	2 80 ± 1 01	0	0 09 ± 0 18	0	3 25 ± 1 08	0	0 58 ± 0 46	0 69

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Total Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Plutonium 239 pCi/l	mda	Americium 241 pCi/l	mda	Cesium 137 pCi/l	mda	Tritium pCi/l	mda	Radium 226 pCi/l	mda	Radium 228 pCi/l	mda
SW046	03/17/90	Data not yet received											
SW066	06/29/88	0 0620 ± 0 0774	0 1	NR		NR		296 ± 303	500	NR		NR	
SW066	03/29/89	0 02 ± 0 02		-0 02 ± 0 03		0 5 ± 0 6		110 ± 160		0 6 ± 0 3		NR	
SW066	05/17/89	0 01 ± 0 01	0 01	0 00 ± 0 02	0 01	-0 4 ± 0 6	1 1	150 ± 150	240	NR		NR	
SW066	06/23/89	0 01 ± 0 01	0	0 01 ± 0 01	0	0 4 ± 0 5	0	190 ± 230	31	0 0 ± 0 3	0	NR	
SW066	07/20/89	0 00 ± 0 01	0 01	0 00 ± 0 01	0 01	0 1 ± 0 6	1 0	310 ± 220	300	0 4 ± 0 2	0 2	NR	
SW066	08/22/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 4 ± 0 6	1	110 ± 220	29	NR		NR	
SW066	09/26/89	006 ± 004	V 0	126 ± 043	R 0	- 42 ± 66	A 1 16	30 ± 240	R 400	0 40 ± 0 08	0 09	NR	
SW066	10/24/89	NR		NR		-0 28 ± 0 46	0 79	-190 ± 190	330	NR		NR	
SW066	11/17/89	NR		NR		-0 19 ± 0 43	0 74	-200 ± 260	440	NR		NR	
SW066	12/14/89	016 ± 008	002	043 ± 015	009	0 ± 2	2	NR		33 ± 14	13	NR	
SW066	01/11/90	0 015 ± 0 007	0 000	NR		-0 11 ± 0 52	0 88	-100 ± 220	350	NR		NR	
SW066	02/08/90	Data not yet received											
SW066	03/14/90	Data not yet received											
SW067	06/29/88	0 0502 ± 0 0945	0 1	NR		NR		995 ± 309	500	NR		NR	
SW067	04/04/89	0 34 ± 0 04		0 07 ± 0 05		0 4 ± 0 9		210 ± 220		4 6 ± 0 5		0 4 ± 2 9	
SW067	05/17/89	0 72 ± 0 05	0 01	0 08 ± 0 03	0 02	-0 3 ± 0 9	1 3	330 ± 150	240	6 1 ± 0 8	0 3	7 4 ± 4 8	4 6
SW067	05/31/89	***											
SW067	06/23/89	0 95 ± 0 05	0	0 24 ± 0 06	0	0 3 ± 0 6	1	80 ± 230	31	5 7 ± 0 1	0	11 ± 3	3
SW067	07/20/89	0 06 ± 0 02	0 01	0 01 ± 0 01	0 01	0 2 ± 0 5	0 7	400 ± 230	300	0 3 ± 0 4	0 4	NR	
SW067	08/21/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 1 ± 0 6	0	50 ± 210	29	0 0 ± 0 2	0	NR	
SW067	09/26/89	050 ± 016	V 011	320 ± 069	A 017	- 63 ± 64	A 1 18	30 ± 230	R 370	0 44 ± 0 09	0 10	NR	
SW067	10/24/89	NR		NR		0 32 ± 0 43	0 67	30 ± 210	340	NR		NR	
SW067	11/16/89	NR		NR		0 14 ± 0 45	0 72	-150 ± 260	430	NR		NR	
SW067	12/14/89	40 ± 05	01	078 ± 018	008	01 ± 16	4	NR		41 ± 17	12	NR	
SW067	01/11/90	0 020 ± 0 011	0 010	NR		-0 05 ± 0 64	1 07	100 ± 230	370	NR		NR	
SW067	02/08/90	Data not yet received											
SW067	03/15/90	Data not yet received											
SW068	06/29/88	0 200 ± 0 120	0 08	NR		NR		592 ± 306	500	NR		NR	
SW068	03/29/89	0 01 ± 0 01		-0 01 ± 0 03		0 7 ± 0 7		110 ± 160		0 1 ± 0 3		NR	
SW068	05/17/89	0 00 ± 0 01	0 01	0 00 ± 0 02	0 01	-0 4 ± 0 6	1 0	130 ± 150	240	NR		NR	
SW068	06/23/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 2 ± 0 5	0	150 ± 230	31	0 0 ± 0 2	0	NR	
SW068	07/20/89	0 00 ± 0 01	0 01	0 01 ± 0 01	0 01	0 0 ± 0 6	1 1	300 ± 220	300	0 3 ± 0 3	0 2	NR	
SW068	08/21/89	0 00 ± 0 01	0	0 00 ± 0 01	0	-0 4 ± 0 6	1	170 ± 220	29	0 3 ± 0 3	0	NR	
SW068	09/26/89	027 ± 011	V 008	022 ± 045	R 070	- 08 ± 63	A 1 05	140 ± 230	R 370	1 00 ± 0 15	0 14	NR	
SW068	10/24/89	NR		NR		0 57 ± 0 46	0 67	-90 ± 200	330	NR		NR	

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Total Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Total Uranium pCi/l	mda	Thorium 231 pCi/l	mda	Thorium 232 pCi/l	mda
SW046	03/17/90	Data not yet received					
SW066	06/29/88	5 050		NR		NR	
SW066	03/29/89	6 400		NR		NR	
SW066	05/17/89	8 000		NR		NR	
SW066	06/23/89	7 500		NR		NR	
SW066	07/20/89	NR		NR		NR	
SW066	08/22/89	6 100		NR		NR	
SW066	09/26/89	7 640		NR		NR	
SW066	10/24/89	6 090		NR		NR	
SW066	11/17/89	6 760		NR		NR	
SW066	12/14/89	NR		NR		NR	
SW066	01/11/90	NR		NR		NR	
SW066	02/08/90	Data not yet received					
SW066	03/14/90	Data not yet received					
SW067	06/29/88	4 960		NR		NR	
SW067	04/04/89	18 800		NR		NR	
SW067	05/17/89	0 700		NR		NR	
SW067	05/31/89	***					
SW067	06/23/89	9 500		NR		NR	
SW067	07/20/89	NR		NR		NR	
SW067	08/21/89	7 200		NR		NR	
SW067	09/26/89	8 800		NR		NR	
SW067	10/24/89	5 860		NR		NR	
SW067	11/16/89	7 440		NR		NR	
SW067	12/14/89	NR		NR		NR	
SW067	01/11/90	NR		NR		NR	
SW067	02/08/90	Data not yet received					
SW067	03/15/90	Data not yet received					
SW068	06/29/88	5 330		NR		NR	
SW068	03/29/89	6 600		NR		NR	
SW068	05/17/89	8 200		NR		NR	
SW068	06/23/89	6 300		NR		NR	
SW068	07/20/89	NR		NR		NR	
SW068	08/21/89	6 300		NR		NR	
SW068	09/26/89	9 680		NR		NR	
SW068	10/24/89	6 140		NR		NR	

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Total Radiochemistry Surface Water Sampling Results

881 HILLSIDE

Station Number	Date Sampled	Gross Alpha pCi/l	mda	Gross Beta pCi/l	mda	Uranium 233, 234 pCi/l	mda	Uranium 235 pCi/l	mda	Uranium 238 pCi/l	mda	Strontium 89,90 pCi/l	mda
SW068	11/16/89	4 1 ± 1 5	1 7	8 6 ± 2 2	2 7	5 17 ± 1 41	0 00	0 29 ± 0 33	0 00	4 22 ± 1 27	0 00	0 33 ± 0 23	0 33
SW068	12/14/89	19 ± 11	10	25 ± 5	6	1 6 ± 4	1	12 ± 12	05	1 7 ± 4	02	8 ± 3	4
SW068	01/11/90	7 4 ± 1 5	1 5	7 7 ± 2 2	2 9	3 50 ± 1 15	0 00	0 22 ± 0 26	0 00	3 71 ± 1 19	0 11	0 26 ± 0 28	0 43
SW068	02/07/90		Data not yet received										
SW068	03/15/90		Data not yet received										
SW069	06/29/88	NR		NR		2 09 ± 0 283	0 09	NR		3 08 ± 0 349	0 1	NR	
SW069	03/29/89	20 ± 9		4 ± 4		2 1 ± 0 4		0 6 ± 0 2		2 3 ± 0 4		0 0 ± 0 5	
SW069	04/05/89		***										
SW069	05/16/89	7 ± 5		6 ± 3		1 4 ± 0 3		0 0 ± 0 1		1 8 ± 0 3		0 3 ± 0 4	
SW069	06/23/89	6 ± 4	5	9 ± 3	4	4 4 ± 0 5	0	0 1 ± 0 1	0	4 4 ± 0 5	0	0 4 ± 0 4	0
SW069	07/20/89	17 ± 7	7	12 ± 3	4	2 9 ± 0 5	0 1	0 1 ± 0 1	0 1	2 5 ± 0 4	0 1	0 1 ± 0 4	0 7
SW069	08/21/89	5 ± 4	5	5 ± 3	4	4 0 ± 0 5	0	0 1 ± 0 1	0	3 6 ± 0 4	0	1 6 ± 0 5	0
SW069	09/26/89	3 6 ± 1 2	R 1 3	12 7 ± 2 5	R 3 0	3 24 ± 99	V 0	15 ± 30	V 35	3 55 ± 1 08	V 50	23 ± 29	R 44
SW069	10/23/89	4 4 ± 1 3	1 4	5 2 ± 2 0	2 8	2 78 ± 1 03	0	0 38 ± 0 38	0	3 26 ± 1 12	0	0 51 ± 0 38	0 56
SW069	11/16/89	4 7 ± 1 4	1 4	9 1 ± 2 2	2 8	5 42 ± 1 34	0 00	0 16 ± 0 23	0 00	4 03 ± 1 15	0 00	0 04 ± 0 23	0 38
SW069	12/13/89	11 ± 7	8	13 ± 6	8	2 4 ± 7	1	1 ± 2	1	3 5 ± 9	04	2 ± 2	4
SW069	01/11/90	6 4 ± 1 2	1 2	7 3 ± 2 3	3 2	2 28 ± 0 90	0 00	0 14 ± 0 23	0 16	3 41 ± 1 14	0 11	0 44 ± 0 35	0 51
SW069	02/07/90		Data not yet received										
SW069	03/15/90		Data not yet received										
SW070	06/29/88	NR		NR		2 05 ± 0 300	0 1	NR		3 77 ± 0 410	0 2	NR	
SW070	03/29/89	7 ± 7		8 ± 4		3 6 ± 0 5		0 6 ± 0 2		3 1 ± 0 4		-0 3 ± 0 5	
SW070	05/16/89	7 ± 4		7 ± 3		1 4 ± 0 3		0 0 ± 0 1		1 4 ± 0 3		-0 3 ± 0 4	
SW070	06/23/89	5 ± 4	5	10 ± 3	4	2 6 ± 0 4	0	0 1 ± 0 1	0	3 5 ± 0 5	0	0 2 ± 0 4	0
SW070	07/20/89	6 ± 5	7	9 ± 3	4	2 2 ± 0 5	0 1	0 1 ± 0 1	0 1	2 8 ± 0 5	0 1	0 0 ± 0 4	0 7
SW070	08/14/89	16 ± 7	6	16 ± 4	6	3 2 ± 0 4	0	0 2 ± 0 1	0	2 7 ± 0 4	0	0 5 ± 0 5	0
SW070	08/14/89	7 ± 4	4	7 ± 3	4	3 1 ± 0 4	0	0 1 ± 0 1	0	3 4 ± 0 5	0	0 2 ± 0 5	0
SW070	09/26/89	4 8 ± 1 0	R 8	12 2 ± 2 5	R 3 0	4 26 ± 1 16	V 0	47 ± 39	V 0	4 50 ± 1 19	V 0	28 ± 28	R 43
SW070	10/23/89	5 0 ± 1 2	1 1	8 1 ± 2 1	2 7	3 29 ± 0 97	0 32	0 55 ± 0 39	0	4 59 ± 1 12	0	0 38 ± 0 40	0 60
SW070	10/23/89	8 7 ± 1 5	1 1	8 3 ± 2 3	3 0	3 51 ± 1 07	0 36	0 23 ± 0 35	0 36	4 29 ± 1 18	0 36	0 57 ± 0 43	0 63
SW070	11/16/89	5 4 ± 1 5	1 4	9 6 ± 2 3	2 8	3 99 ± 1 18	0 00	0 35 ± 0 35	0 00	4 68 ± 1 28	0 00	0 46 ± 23	0 32
SW070	12/13/89	4 ± 7	9	15 ± 5	6	3 8 ± 1 0	2	2 ± 3	1	3 8 ± 1 0	1	3 ± 2	3
SW070	01/11/90	5 5 ± 1 2	1 0	8 5 ± 2 2	2 9	2 39 ± 0 76	0 00	0 05 ± 0 10	0 00	2 65 ± 0 81	0 00	0 31 ± 0 26	0 39
SW070	02/07/90		Data not yet received										
SW070	03/15/90		Data not yet received										

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Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Plutonium 239 pCi/l	Plutonium 239 mda	Americium 241 pCi/l	Americium 241 mda	Cesium 137 pCi/l	Cesium 137 mda	Tritium pCi/l	Tritium mda	Radium 226 pCi/l	Radium 226 mda	Radium 228 pCi/l	Radium 228 mda
SW068	11/16/89	NR		NR		0 10 ± 0 46	0 74	-20 ± 270	450	NR		NR	
SW068	12/14/89	63 ± 09	01	13 ± 02	01	02 ± 14	4	NR		1 3 ± 2	1	NR	
SW068	01/11/90	0 007 ± 0 005	0 004	NR		0 38 ± 0 49	0 75	40 ± 220	370	NR		NR	
SW068	02/07/90	Data not yet received											
SW068	03/15/90	Data not yet received											
SW069	06/29/88	0 00 ± 0 249	0 6	NR		NR		0 00 ± 286	500	NR		NR	
SW069	03/29/89	0 01 ± 0 01		-0 01 ± 0 03		0 4 ± 0 6		250 ± 160		0 2 ± 0 3		NR	
SW069	04/05/89	***											
SW069	05/16/89	0 00 ± 0 01		0 00 ± 0 02		-0 4 ± 0 6		150 ± 210		1 0 ± 0 5		NR	
SW069	06/23/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 4 ± 0 6	0	120 ± 230	31	0 5 ± 0 3	0	NR	
SW069	07/20/89	0 00 ± 0 01	0 01	0 00 ± 0 01	0 01	0 4 ± 0 7	1 1	340 ± 220	300	0 6 ± 0 4	0 4	NR	
SW069	08/21/89	0 01 ± 0 01	0	0 00 ± 0 01	0	-0 4 ± 0 5	0	210 ± 220	29	0 1 ± 0 2	0	NR	
SW069	09/26/89	014 ± 007	V 0	003 ± 034	R 055	73 ± 68	A 99	-130 ± 220	R 370	NR		NR	
SW069	10/23/89	NR		NR		-0 12 ± 0 47	0 80	290 ± 210	330	NR		NR	
SW069	11/16/89	NR		NR		0 20 ± 0 48	0 77	-130 ± 250	430	NR		NR	
SW069	12/13/89	033 ± 010	004	039 ± 012	008	09 ± 10	2	NR		NR		NR	
SW069	01/11/90	0 013 ± 0 006	0 004	NR		0 15 ± 0 49	0 79	310 ± 230	360	NR		NR	
SW069	02/07/90	Data not yet received											
SW069	03/15/90	Data not yet received											
SW070	06/29/88	0 0113 ± 0 0566	0 06	NR		NR		0 00 ± 307	500	NR		NR	
SW070	03/29/89	0 02 ± 0 01		0 00 ± 0 01		0 3 ± 0 7		160 ± 160		0 2 ± 0 3		NR	
SW070	05/16/89	0 01 ± 0 01		0 00 ± 0 01		-0 1 ± 0 7		130 ± 210		0 0 ± 0 3		NR	
SW070	06/23/89	0 00 ± 0 01	0	0 00 ± 0 01	0	0 1 ± 0 5	0	170 ± 230	31	0 0 ± 0 2	0	NR	
SW070	07/20/89	0 01 ± 0 01	0 01	0 00 ± 0 01	0 01	0 1 ± 0 6	1 0	400 ± 230	300	0 7 ± 0 4	0 3	NR	
SW070	08/14/89	0 01 ± 0 01	0	0 01 ± 0 01	0	0 2 ± 0 6	1	240 ± 200	27	0 5 ± 0 3	0	NR	
SW070	08/14/89	0 00 ± 0 01	0	0 01 ± 0 01	0	0 4 ± 0 5	0	200 ± 200	27	0 0 ± 0 3	0	NR	
SW070	09/26/89	005 ± 006	V 008	088 ± 034	R 036	- 49 ± 74	A 1 31	70 ± 240	R 400	NR		NR	
SW070	10/23/89	NR		NR		0 28 ± 0 43	0 67	180 ± 210	330	NR		NR	
SW070	10/23/89	NR		NR		0 00 ± 0 53	0 88	170 ± 200	320	NR		NR	
SW070	11/16/89	NR		NR		-0 11 ± 0 55	0 92	-130 ± 260	440	NR		NR	
SW070	12/13/89	021 ± 011	009	083 ± 012	007	07 ± 11	2	NR		1 5 ± 3	1	NR	
SW070	01/11/90	0 ± 0 004	0 000	NR		0 26 ± 0 40	0 62	60 ± 230	370	NR		NR	
SW070	02/07/90	Data not yet received											
SW070	03/15/90	Data not yet received											

VALUE QUALIFIERS NR = Analyte not requested or analyte data not yet received
*** = Insufficient Sample or Radiochemistry Analyses not requested

DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications; V = Valid

Total Radiochemistry Surface Water Sampling Results

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Station Number	Date Sampled	Total Uranium pCi/l	mda	Thorium 231 pCi/l	mda	Thorium 232 pCi/l	mda
SW068	11/16/89	9 680		NR		NR	
SW068	12/14/89	NR		NR		NR	
SW068	01/11/90	NR		NR		NR	
SW068	02/07/90	Data not yet received					
SW068	03/15/90	Data not yet received					
SW069	06/29/88	5 170		NR		NR	
SW069	03/29/89	5 000		NR		NR	
SW069	04/05/89	***					
SW069	05/16/89	3 200		NR		NR	
SW069	06/23/89	8 900		NR		NR	
SW069	07/20/89	NR		NR		NR	
SW069	08/21/89	7 700		NR		NR	
SW069	09/26/89	6 940		NR		NR	
SW069	10/23/89	6 420		NR		NR	
SW069	11/16/89	9 610		NR		NR	
SW069	12/13/89	NR		NR		NR	
SW069	01/11/90	NR		NR		NR	
SW069	02/07/90	Data not yet received					
SW069	03/15/90	Data not yet received					
SW070	06/29/88	5 820		NR		NR	
SW070	03/29/89	7 300		NR		NR	
SW070	05/16/89	2 800		NR		NR	
SW070	06/23/89	6 200		NR		NR	
SW070	07/20/89	NR		NR		NR	
SW070	08/14/89	6 100		NR		NR	
SW070	08/14/89	6 600		NR		NR	
SW070	09/26/89	9 230		NR		NR	
SW070	10/23/89	8 430		NR		NR	
SW070	10/23/89	8 030		NR		NR	
SW070	11/16/89	9 020		NR		NR	
SW070	12/13/89	NR		NR		NR	
SW070	01/11/90	NR		NR		NR	
SW070	02/07/90	Data not yet received					
SW070	03/15/90	Data not yet received					

VALUE QUALIFIERS NR = Analyte not requested or analyte data not yet received
*** = Insufficient Sample or Radiochemistry Analyses not requested

DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

APPENDIX D

OPERABLE UNIT NO 1 SEDIMENT SAMPLING RESULTS

APPENDIX D-1

VOLATILE ORGANIC COMPOUNDS

Volatile Organic Sediment Sampling Results

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Station Number	Date Sampled	Chloro methane uG/kg	Bromo methane uG/kg	Vinyl Chloride uG/kg	Chloro ethane uG/kg	Methylene Chloride uG/kg	Acetone uG/kg	Carbon Disulfide uG/kg	1 1-Di-chloro ethene uG/kg	1,1-Di-chloro ethane uG/kg
SD001	08/13/86	10 U	10 U	10 U	10 U	5 U	85	5 U	5 U	5 U
SD001	03/07/89	11 U	11 U	11 U	11 U	4 JB	11 U	6 U	6 U	6 U
SD001	10/26/89	11 U A	11 U A	11 U A	11 U A	20 B A	3 J A	6 U A	6 U A	6 U A
SD001	08/10/89	Data not yet received								
SD002	08/13/86	10 U	10 U	10 U	10 U	5 U	9 B	5 U	5 U	5 U
SD014	08/20/86	10 U	10 U	10 U	10 U	4 J	89	5 U	5 U	5 U
SD015	08/07/86	10U	10U	10U	10U	3 J	50 B	5U	5U	5U
SD025	03/08/89	21 U V	21 U V	21 U V	21 U V	3 JB A	21 U V	10 U V	10 U V	10 U V
SD025	10/26/89	Data not yet received								
SD026	03/08/89	15 U V	15 U V	15 U V	15 U V	3 JB A	15 U V	8 U V	8 U V	8 U V
SD026	10/26/89	Data not yet received								
SD027	03/06/89	14 U V	14 U V	14 U V	14 U V	8 B A	5 JB A	7 U V	7 U V	7 U V
SD027	10/26/89	12 U A	12 U A	12 U A	12 U A	22 B A	4 J A	6 U A	6 U A	6 U A
SD028	03/06/89	17 U V	17 U V	17 U V	17 U V	9 B A	8 JB A	8 U V	8 U V	8 U V
SD028	03/06/89	20 U V	20 U V	20 U V	20 U V	11 B A	6 JB A	10 U V	10 U V	10 U V
SD028	10/26/89	Data not yet received								
SD029	03/09/89	16 U V	16 U V	16 U V	16 U V	9 B A	18 V	8 U V	8 U V	8 U V
SD029	03/09/89	60 A	12 U A	12 U A	12 U A	11 B A	12 U A	6 U A	6 U A	6 U A
SD029	10/25/89	17 U V	17 U V	17 U V	17 U V	8 U V	17 U V	8 U V	8 U V	8 U V
SD029	10/25/89	15 U V	15 U V	15 U V	15 U V	8 U V	15 U V	8 U V	8 U V	8 U V
SD029	10/25/89	20 U V	20 U V	20 U V	20 U V	10 U V	20 U V	10 U V	10 U V	10 U V
SD029	10/25/89	16 U V	16 U V	16 U V	16 U V	8 U V	16 U V	8 U V	8 U V	8 U V
SD030	03/08/89	32 U A	32 U A	32 U A	32 U A	5 JB A	32 U A	16 U A	16 U A	16 U A
SD030	03/13/89	14 U V	14 U V	14 U V	14 U V	7 B A	14 U V	7 U V	7 U V	7 U V
SD030	03/13/89	19 J V	10 U V	10 U V	10 U V	16 JB V	220 B V	6 J V	5 U V	5 U V
SD030	03/13/89	30 U V	30 U V	30 U V	30 U V	13 JB A	30 U V	15 U V	15 U V	15 U V
SD030	10/26/89	Data not yet received								
SD031	03/06/89	14 U V	14 U V	14 U V	14 U V	8 B A	8 JB A	7 U V	7 U V	7 U V
SD031	10/26/89	Data not yet received								

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

Volatile Organic Sediment Sampling Results

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Station Number	Date Sampled	Total-1 2-Dichloro ethene uG/kg	Chloroform uG/kg	1 2-Di-chloro ethane uG/kg	2-Butanone uG/kg	1 1 1-Tri chloro ethane uG/kg	Carbon Tetra chloride uG/kg	Vinyl Acetate uG/kg	Bromo dichloro methane uG/kg	1,2-Di-chloro propane uG/kg
SD001	08/13/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SD001	03/07/89	6 U	6 U	6 U	1 JB	6 U	6 U	11 U	6 U	6 U
SD001	10/26/89	6 U A	6 U A	6 U A	11 U A	6 U A	6 U A	11 U A	6 U A	6 U A
SD001	08/10/89	Data not yet received								
SD002	08/13/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SD014	08/20/86	NR	5 U	5 U	10 U	5 U	5 U	10 U	5 U	5 U
SD015	08/07/86	NR	5U	5U	10U	5U	5U	10U	5U	5U
SD025	03/08/89	10 U V	10 U V	10 U V	21 U V	10 U V	10 U V	21 U V	10 U V	10 U V
SD025	10/26/89	Data not yet received								
SD026	03/08/89	8 U V	8 U V	8 U V	15 U V	8 U V	8 U V	15 U V	8 U V	8 U V
SD026	10/26/89	Data not yet received								
SD027	03/06/89	7 U V	7 U V	7 U V	14 U V	7 U V	7 U V	14 U V	7 U V	7 U V
SD027	10/26/89	6 U A	6 U A	6 U A	12 U A	6 U A	6 U A	12 U A	6 U A	6 U A
SD028	03/06/89	8 U V	8 U V	8 U V	17 U V	8 U V	8 U V	17 U V	8 U V	8 U V
SD028	03/06/89	10 U V	10 U V	10 U V	20 U V	10 U V	10 U V	20 U V	10 U V	10 U V
SD028	10/26/89	Data not yet received								
SD029	03/09/89	8 U V	8 U V	8 U V	16 U V	8 U V	8 U V	16 U V	8 U V	8 U V
SD029	03/09/89	6 U A	6 U A	6 U A	12 U A	6 U A	6 U A	12 U A	6 U A	6 U A
SD029	10/25/89	8 U V	8 U V	8 U V	17 U V	8 U V	8 U V	17 U V	8 U V	8 U V
SD029	10/25/89	8 U V	8 U V	8 U V	15 U V	8 U V	8 U V	15 U V	8 U V	8 U V
SD029	10/25/89	10 U V	10 U V	10 U V	20 U V	10 U V	10 U V	20 U V	10 U V	10 U V
SD029	10/25/89	8 U V	8 U V	8 U V	16 U V	8 U V	8 U V	16 U V	8 U V	8 U V
SD030	03/08/89	16 U A	16 U A	16 U A	32 U A	16 U A	16 U A	32 U A	16 U A	16 U A
SD030	03/13/89	7 U V	7 U V	7 U V	14 U V	7 U V	7 U V	14 U V	7 U V	7 U V
SD030	03/13/89	5 U V	5 U V	5 U V	10 U V	5 U V	5 U V	10 U V	5 U V	5 U V
SD030	03/13/89	15 U V	15 U V	15 U V	30 U V	15 U V	15 U V	30 U V	15 U V	15 U V
SD030	10/26/89	Data not yet received								
SD031	03/06/89	7 U V	18 V	7 U V	14 U V	7 U V	7 U V	14 U V	7 U V	7 U V
SD031	10/26/89	Data not yet received								

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Volatile Organic Sediment Sampling Results

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Station Number	Date Sampled	Cis-1 3-Dichloro propene uG/kg	Trichloro ethene uG/kg	Dibromo chloro methane uG/kg	1 1 2-Tri chloro ethane uG/kg	Benzene uG/kg	Trans-1 3-Dichloro propene uG/kg	Bromoform uG/kg	4-Methyl-2-penta none uG/kg	2-Hexanone uG/kg
SD001	08/13/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SD001	03/07/89	6 U	6 U	6 U	6 U	6 U	6 U	6 U	11 U	11 U
SD001	10/26/89	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	11 U A	11 U A
SD001	08/10/89	Data not yet received								
SD002	08/13/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SD014	08/20/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
SD015	08/07/86	5U	5U	5U	5U	5U	5U	5U	10U	10U
SD025	03/08/89	10 U V	5 J A	10 U V	10 U V	10 U V	10 U V	10 U V	21 U V	21 U V
SD025	10/26/89	Data not yet received								
SD026	03/08/89	8 U V	3 J A	8 U V	8 U V	8 U V	8 U V	8 U V	15 U V	15 U V
SD026	10/26/89	Data not yet received								
SD027	03/06/89	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	7 U R	14 U V	14 U V
SD027	10/26/89	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	12 U A	12 U A
SD028	03/06/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U R	17 U V	17 U V
SD028	03/06/89	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V	10 U R	20 U V	20 U V
SD028	10/26/89	Data not yet received								
SD029	03/09/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	16 U V	16 U V
SD029	03/09/89	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	12 U A	12 U A
SD029	10/25/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	17 U V	17 U V
SD029	10/25/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	15 U V	15 U V
SD029	10/25/89	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V	20 U A	20 U A
SD029	10/25/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	16 U V	16 U V
SD030	03/08/89	16 U A	7 J A	16 U A	16 U A	16 U A	16 U A	16 U R	32 U A	32 U A
SD030	03/13/89	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	14 U A	14 U A
SD030	03/13/89	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	5 U V	10 U V	10 U V
SD030	03/13/89	15 U V	15 U V	15 U V	15 U V	15 U V	15 U V	15 U V	30 U V	30 U V
SD030	10/26/89	Data not yet received								
SD031	03/06/89	7 U V	8 V	7 U V	7 U V	7 U V	7 U V	7 U R	14 U V	14 U V
SD031	10/26/89	Data not yet received								

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

Volatile Organic Sediment Sampling Results

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Station Number	Date Sampled	Tetra chloro ethene uG/kg	1 1 2 2- Tetrachloro ethane uG/kg	Toluene uG/kg	Chloro benzene uG/kg	Ethyl benzene uG/kg	Styrene uG/kg	Total Xylenes uG/kg
SD001	08/13/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SD001	03/07/89	6 U	6 U	6 U	6 U	6 U	6 U	6 U
SD001	10/26/89	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A
SD001	08/10/89	Data not yet received						
SD002	08/13/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SD014	08/20/86	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SD015	08/07/86	5U	5U	5U	5U	5U	5U	0U
SD025	03/08/89	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V
SD025	10/26/89	Data not yet received						
SD026	03/08/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V
SD026	10/26/89	Data not yet received						
SD027	03/06/89	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V
SD027	10/26/89	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A	6 U A
SD028	03/06/89	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V	8 U V
SD028	03/06/89	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V	10 U V
SD028	10/26/89	Data not yet received						
SD029	03/09/89	8 U V	8 U V	2 J A	8 U V	8 U V	8 U V	8 U V
SD029	03/09/89	6 U A	6 U A	2 J A	6 U A	6 U A	6 U A	6 U A
SD029	10/25/89	8 U V	8 U A	8 U V	8 U V	8 U V	8 U V	8 U V
SD029	10/25/89	8 U V	8 U A	8 U V	8 U V	8 U V	8 U V	8 U V
SD029	10/25/89	10 U A	10 U A	10 U A	10 U A	10 U A	10 U A	10 U A
SD029	10/25/89	8 U V	8 U A	8 U V	8 U V	8 U V	8 U V	8 U V
SD030	03/08/89	16 U A	16 U A	16 U A	16 U A	16 U A	16 U A	16 U A
SD030	03/13/89	7 U A	7 U A	2 J A	7 U A	7 U A	7 U A	7 U A
SD030	03/13/89	5 U V	5 U V	6 J V	5 U V	5 U V	5 U V	5 U V
SD030	03/13/89	15 U V	15 U V	4 J A	15 U V	15 U V	15 U V	15 U V
SD030	10/26/89	Data not yet received						
SD031	03/06/89	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V	7 U V
SD031	10/26/89	Data not yet received						

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications; V = Valid

APPENDIX D-3

OTHER INORGANIC COMPOUNDS

Total Metal Sediment Sampling Results

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Station Number	Date Sampled	Aluminum (Al) total mg/kg	Antimony (Sb) total mg/kg	Arsenic (As), total mg/kg	Barium (Ba) total mg/kg	Beryllium (Be) total mg/kg	Cadmium (Cd) total mg/kg	Calcium (Ca) total mg/kg	Cesium (Cs) total mg/kg	Chromium (Cr), total mg/kg
SD001	08/13/86	4840	1 7 U	0 16	56	0 42 U	0 42 U	1740	10 U	4 2
SD001	03/07/89	4430	13 0 U	7 2	55 3	1 1 U	1 1 U	2410	217 U	4 0
SD001	10/26/89	2370 V	12 9 U A	2 2 U A	43 0 U A	1 1 U A	1 1 U A	1290 A	215 U V	4 1 A
SD001	08/10/89	Data not yet received								
SD002	08/13/86	17600	1 2 U	1 1	132	0 30 U	0 30 U	8350	9 0 U	15
SD014	08/20/86	4820	5 3 U	0 03	32	1 1	0 5 U	27	10 U	64
SD015	08/07/86	1400	5 0	0 33	13	2 5	0 42 U	360	8 3 U	2 0
SD025	03/08/89	12800 V	24 7 U R	NR	165 V	4 6 V	2 1 U V	9970 A	412 U V	14 3 V
SD025	10/26/89	11800 V	24 5 A	2 8 U A	250 A	1 3 U V	1 3 A	6150 A	252 U V	13 0 V
SD026	03/08/89	7920 V	17 7 U R	4 8 A	149 V	6 4 V	1 5 U V	4760 A	295 U V	10 7 V
SD026	10/26/89	2660 V	22 7 A	3 3 A	47 7 U A	1 2 U V	1 2 U A	1190 U A	238 U V	4 1 V
SD027	03/06/89	9890 A	17 0 U R	2 8 U A	107 A	9 2 A	1 4 U V	3420 V	284 U V	13 0 A
SD027	10/26/89	6080 V	14 1 U A	2 8 A	61 3 A	1 2 U V	1 2 U A	1780 A	235 U V	8 0 V
SD028	03/06/89	14100 A	18 8 U R	5 2 A	224 A	15 0 A	1 6 U V	22600 V	314 U V	16 7 A
SD028	03/06/89	11900 A	22 9 U A	5 4 A	257 A	15 5 V	1 9 U V	24000 V	382 U V	16 7 A
SD028	10/26/89	14700 V	16 8 U A	4 9 A	141 A	1 4 U V	1 5 A	22700 A	280 U V	19 6 V
SD029	03/09/89	15300 V	17 9 U R	4 3 A	138 V	3 8 V	1 5 U V	4650 A	298 U V	17 5 V
SD029	03/09/89	8190 V	14 8 U R	2 6 A	77 4 V	2 1 V	1 2 U V	7810 A	247 U V	11 2 V
SD029	10/25/89	10900 V	155 U A	3 8 V	122 V	0 62 U A	1 2 U A	9020 A	1 0 U V	11 1 V
SD029	10/25/89	13800 V	150 U A	5 5 V	176 V	0 60 U A	2 3 A	13300 A	1 0 U V	14 5 V
SD029	10/25/89	14400 V	184 U A	5 0 V	161 V	0 74 U A	1 5 U A	14200 A	1 0 U V	20 9 V
SD029	10/25/89	9790 V	157 U A	4 1 V	137 V	0 63 U A	1 4 A	11500 A	1 0 U V	14 6 V
SD030	03/08/89	24800 V	37 0 U R	6 3 U A	300 V	6 9 V	3 1 U V	14900 A	616 U V	26 8 V
SD030	03/13/89	6920 V	16 3 U R	2 6 U A	132 V	2 5 V	1 4 U V	3520 A	271 U V	9 4 V
SD030	03/13/89	9360 V	42 1 U R	6 9 U V	140 U V	3 9 V	3 5 U V	4850 V	702 U V	14 4 V
SD030	03/13/89	7740 V	35 7 U A	5 7 U A	184 V	3 2 V	3 0 U V	4390 A	595 U V	11 8 V
SD030	10/26/89	8480 V	19 4 A	2 5 U A	88 9 A	1 3 U V	1 3 U A	5020 A	250 U V	9 8 V
SD031	03/06/89	7670 A	16 3 U R	5 5 A	100 A	9 4 A	1 4 U V	56700 V	272 U V	8 1 A
SD031	10/26/89	8260 V	13 5 U R	4 6 A	92 1 A	1 1 U V	1 1 U A	42200 A	225 U V	9 8 V

VALUE QUALIFIERS NR = Analyte not reported U = Analyzed but not detected * = Holding time not met E = Estimated value
J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

Total Metal Sediment Sampling Results

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Station Number	Date Sampled	Cobalt (Co) total mg/kg	Copper (Cu), total mg/kg	Iron (Fe) total mg/kg	Lead (Pb) total mg/kg	Lithium (Li), total mg/kg	Magnesium (Mg) total mg/kg	Manganese (Mn), total mg/kg	Mercury (Hg) total mg/kg	Molybdenum (Mo) total mg/kg
SD001	08/13/86	4 2 U	5 8	13300	9 2	NR	1080	269	0 39	8 3 U
SD001	03/07/89	10 9 U	6 0	11700	16 3	21 7 U	1120	258	0 081 U	21 7 U
SD001	10/26/89	10 8 U V	6 1 A	20100 V	2 8 V	21 5 U A	1080 U V	293 V	0 10 U R	21 5 U V
SD001	08/10/89	Data not yet received								
SD002	08/13/86	5 5	13	16300	19	NR	3580	198	0 17	6 1 U
SD014	08/20/86	9 5	9 5	4940	11	NR	320	230	0 48	42
SD015	08/07/86	4 2 U	1 7 U	3700	3 2	NR	300	36	0 099	40
SD025	03/08/89	20 6 U V	19 9 V	19100 V	22 1 V	9 0 V	2760 A	228	NR	4 1 U V
SD025	10/26/89	12 6 U V	12 9 V	19400 V	16 8 V	25 2 U A	2240 V	213 V	0 14 U V	25 2 U V
SD026	03/08/89	14 8 U V	15 5 V	28800 V	17 3 V	6 3 V	1640 A	717	NR	3 0 U V
SD026	10/26/89	11 9 U A	6 0 U A	20100 V	7 0 V	23 8 U A	1190 U V	213 V	0 098 U R	23 8 U V
SD027	03/06/89	14 2 U V	12 2 V	13200 V	9 2 A	28 4 U V	1980 V	297 A	0 14 U V	28 4 U V
SD027	10/26/89	11 8 U A	6 3 A	16000 V	7 9 V	23 5 U A	1180 U V	207 V	0 11 U R	23 5 U V
SD028	03/06/89	15 7 U V	23 9 V	21400	18 6 A	31 4 U V	4220 V	308 A	0 17 U V	31 4 U V
SD028	03/06/89	19 1 U V	36 3 V	21500	17 3 A	38 2 U V	4060 V	484 A	0 20 U V	38 2 U V
SD028	10/26/89	14 0 U V	18 9 V	21200 V	16 4 V	28 0 U A	3660 V	242 V	0 15 U R	28 0 U V
SD029	03/09/89	14 9 U V	17 6 V	16000 V	21 9 V	13 2 V	2930 V	198	NR	10 3 V
SD029	03/09/89	12 3 U V	18 3 V	7840 V	22 5 V	7 6 V	1700 V	99 6	NR	5 1 V
SD029	10/25/89	6 2 U V	29 1 V	12400 V	23 6 A	8 0 V	2580 V	229 A	0 14 U V	155 U A
SD029	10/25/89	8 2 V	6 0 U A	18200 V	26 1 A	12 3 V	3550 V	295 A	0 13 U V	180 U A
SD029	10/25/89	7 4 U V	40 4 V	17100 V	29 3 A	11 8 V	3590 V	335 A	0 17 U V	184 U A
SD029	10/25/89	6 3 V	6 3 U A	14600 V	23 0 A	8 5 V	2590 V	266 A	0 12 U V	187 U A
SD030	03/08/89	30 8 U V	34 3 V	28900 V	66 4 V	27 8 V	5970 A	1390	NR	6 2 U V
SD030	03/13/89	13 6 U V	14 9 V	9270 V	13 7 V	4 4 V	1390 V	157	0 12 U A	4 6 V
SD030	03/13/89	35 1 U V	18 9 V	10700 V	39 2 V	10 9 V	3510 U V	87 0	0 35 U V	12 6 V
SD030	03/13/89	29 8 U V	17 1 V	12200 V	49 0 V	8 5 V	2980 U V	573	0 56 A	6 0 V
SDQ30	10/26/89	12 5 U A	11 8 V	12000 V	13 1 V	25 0 U A	1900 V	189 V	0 11 U R	25 0 U V
SD031	03/06/89	13 6 U V	12 8 V	15300	11 4 A	27 2 U V	5230 V	171 A	0 14 U V	27.2 U V
SD031	10/26/89	11 2 U A	12 2 V	12000 V	12 5 V	22 5 U A	4570 V	128 V	0 11 U R	22 5 U V

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Total Metal Sediment Sampling Results

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Station Number	Date Sampled	Nickel (Ni) total mg/kg	Potassium (K) total mg/kg	Selenium (Se), total mg/kg	Silver (Ag) total mg/kg	Sodium (Na) total mg/kg	Strontium (Sr), total mg/kg	Thallium (Tl), total mg/kg	Tin (Sn), Total mg/kg	Vanadium (V), total mg/kg
SD001	08/13/86	3 3 U	18600	0 22	0 83 U	143	25	3 4	NR	19
SD001	03/07/89	8 7 U	1090 U	1 1 U	2 2 U	1090 U	217 U	2 2 U	21 7 U	22 2
SD001	10/26/89	17 7 V	1080 U A	1 1 U A	2 2 U R	1080 U A	215 U A	2 2 U V	21 5 U V	34 2 A
SD001	08/10/89	Data not yet received								
SD002	08/13/86	10	67000	0 24 U	0 61 U	301	67	13	NR	40
SD014	08/20/86	4 2 U	1140	0 02 U	1 0 U	210 U	8 4 U	1 0 U	NR	12
SD015	08/07/86	8 2	330	0 20	0 84 U	43	1 0	0 17 U	NR	6 7
SD025	03/08/89	16 5 U A	2060 U V	2 0 U A	32 1 V	2060 U V	92 6 V	4 0 U V	536 A	31 9 V
SD025	10/26/89	14 0 V	1260 U A	1 4 U A	2 5 U A	1260 U A	252 U A	2 8 U A	25 2 U V	31 7 A
SD026	03/08/89	24 6 A	1480 U V	1 5 U A	48 9 V	1480 U V	40 4 V	3 1 U A	364 A	49 5 V
SD026	10/26/89	9 5 U V	1190 U R	1 2 U A	2 4 U A	1190 U A	238 U A	2 4 U A	23 8 U V	21 4 A
SD027	03/06/89	11 4 U A	1440 A	1 4 U A	2 8 U A	1420 U V	37 2 V	2 8 U R	28 4 U V	27 1 V
SD027	10/26/89	11 4 V	1180 U A	1 2 U A	2 4 U A	1180 U A	235 U A	2 3 U A	23 5 U V	29 9 A
SD028	03/06/89	20 2 A	1730 A	1 6 U A	3 1 U A	1570 U V	101 V	3 2 U R	31 4 U V	36 3 V
SD028	03/06/89	21 7 A	1910 U A	2 0 U A	3 8 U A	1910 U V	104 V	4 0 U R	38 2 U V	33 4 V
SD028	10/26/89	21 8 V	1400 U A	1 4 U A	2 8 U A	1400 U A	280 U A	2 8 U A	28 0 U V	50 9 A
SD029	03/09/89	15 1 A	2030 V	1 5 U A	27 6 V	1490 U V	46 7 V	3 1 U V	388 A	39 9 V
SD029	03/09/89	9 9 U A	1230 U V	1 2 U V	13 3 V	1230 U V	40 6 V	2 4 U A	314 A	21 0 V
SD029	10/25/89	15 6 A	1580 A	0 64 U A	9 3 U A	216 V	51 5 A	0 96 U V	309 U A	30 7 V
SD029	10/25/89	19 5 V	1950 A	0 56 U A	9 0 U A	201 V	71 1 A	0 85 U V	300 U A	37 2 V
SD029	10/25/89	23 0 A	2060 A	0 75 U A	11 0 U A	224 V	72 7 A	1 1 U V	368 U A	40 4 V
SD029	10/25/89	19 1 V	1460 A	0 60 U A	9 4 U A	163 V	55 7 A	0 90 U V	314 U A	30 2 V
SD030	03/08/89	24 7 U A	3570 V	15 7 U A	49 1 V	3080 U V	179 V	6 3 U A	819 A	58 4 V
SD030	03/13/89	10 9 U A	1360 U V	1 3 U A	15 7 V	1360 U V	51 6 V	2 6 U A	332 A	27 7 V
SD030	03/13/89	28 1 U V	3510 U V	21 3 V	17 8 V	3510 U V	70 2 U V	6 9 U V	1080 A	35 1 U V
SD030	03/13/89	23 8 U A	2980 U V	2 9 U V	20 7 V	2980 U V	59 5 U V	5 7 U A	904 A	29 8 U V
SD030	10/26/89	11 0 V	1250 U A	1 3 U A	2 5 U A	1250 U A	250 U A	2 5 U A	25 0 U V	29 4 A
SD031	03/06/89	10 9 U A	1360 U A	6 8 U A	2 7 U A	1360 U V	168 V	2 7 U R	27 2 U V	17 4 V
SD031	10/26/89	14 2 V	1120 U A	1 1 U A	2 2 U A	1120 U V	225 U A	2 3 U A	22 5 U V	23 2 A

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Total Metal Sediment Sampling Results

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Station Number	Date Sampled	Zinc (Zn) total mg/kg	
SD001	08/13/86	32	
SD001	03/07/89	36 4	
SD001	10/26/89	77 1	A
SD001	08/10/89	Data not yet received	
SD002	08/13/86	NR	
SD014	08/20/86	28	
SD015	08/07/86	8 1	
SD025	03/08/89	64 4	A
SD025	10/26/89	80 8	A
SD026	03/08/89	48 0	A
SD026	10/26/89	45 5	A
SD027	03/06/89	42 3	A
SD027	10/26/89	63 2	A
SD028	03/06/89	93 3	A
SD028	03/06/89	98 0	A
SD028	10/26/89	93 4	A
SD029	03/09/89	62 8	V
SD029	03/09/89	87 8	V
SD029	10/25/89	126	
SD029	10/25/89	78 7	
SD029	10/25/89	140	
SD029	10/25/89	63 7	
SD030	03/08/89	136	A
SD030	03/13/89	36 3	V
SD030	03/13/89	68 0	V
SD030	03/13/89	56 8	V
SD030	10/26/89	104	A
SD031	03/06/89	42 6	A
SD031	10/26/89	72 7	A

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J = Present below detection limit B = Present in laboratory blank N = Batch spike not in 80-120% range
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APPENDIX D-4

TOTAL RADIONUCLIDES

Operable Unit No. 2

Inorganic Sediment Sampling Results

Station Number	Date Sampled	Nitrate+ Nitrite-Nitrogen MG/KG			pH pH Unit		Total Cyanide MG/KG			Solids %	Oil and Grease MG/KG		
SD001	08/13/86	20	U		NR		0 12	U		NR	NR		
SD001	03/07/89	3 9		A	6 5		2 1	U		33 1	1000	U	V
SD001	10/26/89	1 3	U	V	6 9		NR			78 7	1000	U	V
SD001	08/10/89	7 2			8 0		NR			92 2	1000	U	
SD002	08/13/86	20	U		NR		0 12	U		NR	NR		
SD014	08/20/86	20	U		NR		0 005	U		95	NR		
SD015	08/07/86	20	U		NR		0 21	U		79	NR		
SD025	03/08/89	3 9		V	7 5		NR			31 0	3200	U	V
SD025	10/26/89	1 7	U	V	8 2		NR			59 1	1000	U	V
SD026	03/08/89	3 0		V	8 1		NR			39 9	2500	U	V
SD026	10/26/89	1 3		V	8 2		NR			77 0	1000	U	V
SD027	03/06/89	1 7	U	V	8 0		NR			60 2	1000	U	V
SD027	10/26/89	1 3	U	V	7 3		NR			75 4	1000	U	V
SD028	03/06/89	2 6	U	V	8 0		NR			38 9	1000	U	V
SD028	03/06/89	2 5	U	V	7 9		NR			40 5	1000	U	V
SD028	10/26/89	1 6	U	V	7 5		NR			62 2	1000	U	V
SD029	03/09/89	2 5	U	V	7 9		NR			39 6	2500	U	V
SD029	03/09/89	4 4	U	V	7 8		NR			22 7	4400	U	V
SD029	10/25/89	1 7	U	V	7 2		NR			57 9	1000	U	V
SD029	10/25/89	1 4	U	V	7 5		NR			71 1	1000	U	V
SD029	10/25/89	1 6	U	V	7 4		NR			62 4	1100		V
SD029	10/25/89	1 7	U	V	7 6		NR			58 7	1000	U	V
SD030	03/08/89	8 1		V	7 8		NR			16 1	6200	U	V
SD030	03/13/89	1 8	U	V	7 2		NR			54 9	1800	U	V
SD030	03/13/89	6 8	U		7 1		NR			14 7	6800	U	
SD030	03/13/89	1 9	U	V	7 4		NR			51 3	1900	U	V
SD030	10/26/89	1 3	U	V	8 4		NR			75 4	1000	U	V
SD031	03/06/89	2 1		V	8 6		NR			53 2	1000	U	A
SD031	10/26/89	1 2	U	V	7 9		NR			85 5	1000	U	V

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DATA VALIDATION QUALFIERS (No validation qualifier indicates data has not been validated) R = Rejected A = Acceptable with qualifications V = Valid

APPENDIX D-4

TOTAL RADIONUCLIDES

Operable Unit No. 2

Total Radiochemistry Sediment Sampling Results

Station Number	Date Sampled	Gross Alpha pCi/g		Gross Beta pCi/g		Uranium 233 234 pCi/g		Uranium 235 pCi/g		Uranium 238 pCi/g	
SD001	08/13/86	12 ± 8		11 ± 6		0 47 ± 0 23		NR		0 26 ± 0 17	
SD001	03/07/89	39 ± 14		36 ± 6		1 4 ± 0 2		0 0 ± 0 1		1 3 ± 0 2	
SD001	10/26/89	NR		NR		0 65 ± 0 15	0 05	0 03 ± 0 03	0 00	0 64 ± 0 14	0 00
SD001	08/10/89	16 ± 9	11	12 ± 5	7	0 5 ± 0 1	0 1	0 0 ± 0 1	0 1	0 6 ± 0 1	0 1
SD002	08/13/86	37 ± 11		32 ± 6		0 79 ± 0 23		NR		0 52 ± 0 18	
SD014	08/20/86	12 ± 8		38 ± 7		0 65 ± 0 15		NR		0 74 ± 0 16	
SD015	08/07/86	25 ± 10		39 ± 7		0 38 ± 0 23		NR		0 36 ± 0 22	
SD025	03/08/89	46 ± 16		33 ± 7		2 1 ± 0 4		0 0 ± 0 1		2 7 ± 0 4	
SD025	10/26/89	NR		NR		0 87 ± 0 19	0 08	0 02 ± 0 03	0 03	0 90 ± 0 19	0 00
SD026	03/08/89	35 ± 16		21 ± 6		0 7 ± 0 2		0 0 ± 0 1		0 5 ± 0 2	
SD026	10/26/89	NR		NR		0 79 ± 0 17	0 06	0 06 ± 0 04	0 00	0 60 ± 0 14	0 00
SD027	03/06/89	Data not yet received									
SD027	10/26/89	NR		NR		0 42 ± 0 11	0 05	0 02 ± 0 02	0 00	0 46 ± 0 11	0 00
SD028	03/06/89	Data not yet received									
SD028	03/06/89	Data not yet received									
SD028	10/26/89	NR		NR		0 78 ± 0 19	0 05	0 07 ± 0 05	0 00	0 86 ± 0 20	0 04
SD029	03/09/89	41 ± 16		26 ± 6		0 8 ± 0 2		0 0 ± 0 1		1 3 ± 0 2	
SD029	03/09/89	43 ± 16		34 ± 6		0 3 ± 0 1		0 1 ± 0 1		1 0 ± 0 2	
SD029	10/25/89	NR		NR		0 92 ± 0 16	0 02	0 05 ± 0 03	0 00	1 56 ± 0 23	0 04
SD029	10/25/89	NR		NR		0 71 ± 0 14	0 04	0 02 ± 0 02	0 02	0 83 ± 0 15	0 00
SD029	10/25/89	NR		NR		0 92 ± 0 19	0 00	0 07 ± 0 05	0 02	1 18 ± 0 23	0 00
SD029	10/25/89	NR		NR		0 72 ± 0 17	0 06	0 07 ± 0 05	0 00	0 72 ± 0 17	0 00
SD030	03/08/89	77 ± 20		44 ± 7		0 9 ± 0 2		0 0 ± 0 1		0 8 ± 0 2	
SD030	03/13/89	62 ± 18		30 ± 6		1 6 ± 0 2		0 0 ± 0 1		1 3 ± 0 2	
SD030	03/13/89	75 ± 20		46 ± 6		0 7 ± 0 2		0 0 ± 0 1		1 0 ± 0 2	
SD030	03/13/89	24 ± 15	19	24 ± 6	8	1 0 ± 0 2	0 1	0 1 ± 0 1	0 1	1 3 ± 0 3	0 1
SD030	10/26/89	NR		NR		0 58 ± 0 14	0 08	0 09 ± 0 05	0 03	0 47 ± 0 11	0 00
SD031	03/06/89	Data not yet received									
SD031	10/26/89	NR		NR		1 22 ± 0 23	0 03	0 09 ± 0 05	0 03	1 21 ± 0 23	0 00

VALUE QUALIFIERS NR = Analyte not reported *** = Insufficient Sample for Radiochemistry Analyses

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Operable Unit No. 2

Total Radiochemistry Sediment Sampling Results

Station Number	Date Sampled	Strontium 89 90 pCi/g		Plutonium 239 pCi/g		Americium 241 pCi/g		Cesium 137 pCi/g		Tritium pCi/ml	
SD001	08/13/86	NR		0 06 ± 0 02		0 01 ± 0 01		NR		0 30 ± 0 26	
SD001	03/07/89	-0 4 ± 0 5		0 87 ± 0 08		NR		0 7 ± 0 1		-0 03 ± 0 15	
SD001	10/26/89	0 06 ± 0 34	0 55	0 048 ± 013	0 000	NR		0 2 ± 0 3	0 3	-10 ± 320	530
SD001	08/10/89	0 0 ± 0 7	1 0	NR		NR		0 1 ± 0 1	0 1	0 18 ± 0 21	0 28
SD002	08/13/86	NR		0 80 ± 0 09		0 04 ± 0 03		NR		0 0 ± 0 25	
SD014	08/20/86	NR		0 00 ± 0 01		0 00 ± 0 01		NR		0 11 ± 0 24	
SD015	08/07/86	NR		-0 05 ± 0 08		0 02 ± 0 07		NR		0 21 ± 0 26	
SD025	03/08/89	-0 2 ± 0 3		3 3 ± 0 1		NR		0 3 ± 0 1		0 09 ± 0 16	
SD025	10/26/89	0 43 ± 0 44	0 66	0 096 ± 0 017	0 000	NR		0	0 3	370 ± 330	520
SD026	03/08/89	0 1 ± 0 5		0 42 ± 0 05		NR		0 1 ± 0 1		-0 01 ± 0 16	
SD026	10/26/89	0 06 ± 0 34	0 56	235 ± 0 034	006	NR		0 7 ± 0 3	0 4	70 ± 320	520
SD027	03/06/89	Data not yet received									
SD027	10/26/89	0 26 ± 0 41	0 64	0 015 ± 0 006	0 000	NR		0	0 2	580 ± 450	700
SD028	03/06/89	Data not yet received									
SD028	03/06/89	Data not yet received									
SD028	10/26/89	0 41 ± 0 38	0 57	0 052 ± 0 017	0 012	NR		0	0 3	280 ± 310	500
SD029	03/09/89	-0 2 ± 0 4		0 3 ± 0 1		NR		0 1 ± 0 1		0 20 ± 0 16	
SD029	03/09/89	0 0 ± 0 5		0 85 ± 0 08		NR		0 3 ± 0 1		0 17 ± 0 16	
SD029	10/25/89	0 21 ± 0 36	0 57	0 933 ± 113	0 000	NR		0 4 ± 0 1	0 3	70 ± 280	460
SD029	10/25/89	-0 22 ± 0 39	0 68	0 645 ± 074	0 011	NR		0	0 6	250 ± 290	460
SD029	10/25/89	0 35 ± 40	0 60	629 ± 076	0 000	NR		0 2 ± 0 2	0 2	320 ± 300	470
SD029	10/25/89	0 28 ± 0 34	0 52	334 ± 0 041	0 000	NR		0 4 ± 0 2	0 2	430 ± 300	470
SD030	03/08/89	0 0 ± 0 7		0 82 ± 0 08		NR		0 5 ± 0 1		0 00 ± 0 16	
SD030	03/13/89	-0 4 ± 0 6		0 46 ± 0 06		NR		0 0 ± 0 1		0 19 ± 0 16	
SD030	03/13/89	0 5 ± 0 8		0 45 ± 0 05		NR		0 0 ± 0 1		0 09 ± 0 16	
SD030	03/13/89	0 0 ± 0 6	1 1	0 08 ± 0 03	0 01	0 01 ± 0 02	0 01	0 0 ± 0 1	0 1	0 11 ± 0 16	0 26
SD030	10/26/89	0 43 ± 0 44	0 66	0 079 ± 0 015	0 004	NR		0 3 ± 0 3	0 3	100 ± 290	470
SD031	03/06/89	Data not yet received									
SD031	10/26/89	-0 10 ± 0 33	0 57	0 071 ± 0 016	0 005	NR		0 2 ± 0 2	0 2	-90 ± 320	530

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Operable Unit No. 2

Total Radiochemistry Sediment Sampling Results

Station Number	Date Sampled	Radium 226 pCi/g		Radium 228 pCi/g		Total Uranium pCi/g	Thorium 231 pCi/g	Thorium 232 pCi/g
SD001	08/13/86	NR		NR		0 730	NR	NR
SD001	03/07/89	1 2 ± 0 1		2 4 ± 0 3		2 700	NR	NR
SD001	10/26/89	0 7 ± 0 4	0 4	1 2 ± 0 5	0 5	NR	NR	NR
SD001	08/10/89	0 7 ± 0 1	0 1	1 1 ± 0 1	0 1	NR	NR	NR
SD002	08/13/86	NR		NR		1 310	NR	NR
SD014	08/20/86	NR		NR		1 390	NR	NR
SD015	08/07/86	NR		NR		0 740	NR	NR
SD025	03/08/89	NR		NR		4 800	NR	NR
SD025	10/26/89	1 4 ± 0 3	0 3	2 5 ± 0 8	0 9	NR	NR	NR
SD026	03/08/89	NR		NR		1 200	NR	NR
SD026	10/26/89	0 9 ± 0 3	0 3	1 4 ± 0 8	0 8	NR	NR	NR
SD027	03/06/89	Data not yet received						
SD027	10/26/89	0 7 ± 0 3	0 4	0 9 ± 0 5	0 6	NR	NR	NR
SD028	03/06/89	Data not yet received						
SD028	03/06/89	Data not yet received						
SD028	10/26/89	1 3 ± 0 4	0 4	1 6 ± 0 8	0 9	NR	NR	NR
SD029	03/09/89	NR		NR		2 100	NR	NR
SD029	03/09/89	NR		NR		1 400	NR	NR
SD029	10/25/89	0 9 ± 0 4	0 6	2 3 ± 0 4	0 9	NR	NR	NR
SD029	10/25/89	1 1 ± 0 3	0 4	1 7 ± 0 5	0 5	NR	NR	NR
SD029	10/25/89	1 4 ± 0 4	0 4	2 4 ± 0 5	0 7	NR	NR	NR
SD029	10/25/89	1 3 ± 0 4	0 4	2 2 ± 0 7	0 7	NR	NR	NR
SD030	03/08/89	NR		NR		1 700	NR	NR
SD030	03/13/89	NR		NR		2 900	NR	NR
SD030	03/13/89	1 3 ± 0 1		1 9 ± 0 3		1 700	NR	NR
SD030	03/13/89	1 1 ± 0 1	0 1	1 5 ± 0 2	0 1	NR	NR	NR
SD030	10/26/89	1 4 ± 0 4	0 5	1 9 ± 0 6	0 6	NR	NR	NR
SD031	03/06/89	Data not yet received						
SD031	10/26/89	1 0 ± 0 2	0 3	1 6 ± 0 6	0 6	NR	NR	NR

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DATA VALIDATION QUALFIERS: (No validation qualifier indicates data has not been validated) R = Rejected; A = Acceptable with qualifications; V = Valid

Operable Unit No. 2

Total Radiochemistry Sediment Sampling Results

Station Number	Date Sampled	Gross Alpha pCi/g		Gross Beta pCi/g		Uranium 233 234 pCi/g		Uranium 235 pCi/g		Uranium 238 pCi/g	
SD001	08/13/86	12 ± 8		11 ± 6		0 47 ± 0 23		NR		0 26 ± 0 17	
SD001	03/07/89	39 ± 14		36 ± 6		1 4 ± 0 2		0 0 ± 0 1		1 3 ± 0 2	
SD001	10/26/89	NR		NR		0 65 ± 0 15	0 05	0 03 ± 0 03	0 00	0 64 ± 0 14	0 00
SD001	08/10/89	16 ± 9	11	12 ± 5	7	0 5 ± 0 1	0 1	0 0 ± 0 1	0 1	0 6 ± 0 1	0 1
SD002	08/13/86	37 ± 11		32 ± 6		0 79 ± 0 23		NR		0 52 ± 0 18	
SD014	08/20/86	12 ± 8		38 ± 7		0 65 ± 0 15		NR		0 74 ± 0 16	
SD015	08/07/86	25 ± 10		39 ± 7		0 38 ± 0 23		NR		0 36 ± 0 22	
SD025	03/08/89	46 ± 16		33 ± 7		2 1 ± 0 4		0 0 ± 0 1		2 7 ± 0 4	
SD025	10/26/89	NR		NR		0 87 ± 0 19	0 08	0 02 ± 0 03	0 03	0 90 ± 0 19	0 00
SD026	03/08/89	35 ± 16		21 ± 6		0 7 ± 0 2		0 0 ± 0 1		0 5 ± 0 2	
SD026	10/26/89	NR		NR		0 79 ± 0 17	0 06	0 06 ± 0 04	0 00	0 60 ± 0 14	0 00
SD027	03/06/89	Data not yet received									
SD027	10/26/89	NR		NR		0 42 ± 0 11	0 05	0 02 ± 0 02	0 00	0 46 ± 0 11	0 00
SD028	03/06/89	Data not yet received									
SD028	03/06/89	Data not yet received									
SD028	10/26/89	NR		NR		0 78 ± 0 19	0 05	0 07 ± 0 05	0 00	0 86 ± 0 20	0 04
SD029	03/09/89	41 ± 16		26 ± 6		0 8 ± 0 2		0 0 ± 0 1		1 3 ± 0 2	
SD029	03/09/89	43 ± 16		34 ± 6		0 3 ± 0 1		0 1 ± 0 1		1 0 ± 0 2	
SD029	10/25/89	NR		NR		0 92 ± 0 16	0 02	0 05 ± 0 03	0 00	1 56 ± 0 23	0 04
SD029	10/25/89	NR		NR		0 71 ± 0 14	0 04	0 02 ± 0 02	0 02	0 83 ± 0 15	0 00
SD029	10/25/89	NR		NR		0 92 ± 0 19	0 00	0 07 ± 0 05	0 02	1 18 ± 0 23	0 00
SD029	10/25/89	NR		NR		0 72 ± 0 17	0 06	0 07 ± 0 05	0 00	0 72 ± 0 17	0 00
SD030	03/08/89	77 ± 20		44 ± 7		0 9 ± 0 2		0 0 ± 0 1		0 8 ± 0 2	
SD030	03/13/89	62 ± 18		30 ± 6		1 6 ± 0 2		0 0 ± 0 1		1 3 ± 0 2	
SD030	03/13/89	75 ± 20		46 ± 6		0 7 ± 0 2		0 0 ± 0 1		1 0 ± 0 2	
SD030	03/13/89	24 ± 15	19	24 ± 6	8	1 0 ± 0 2	0 1	0 1 ± 0 1	0 1	1 3 ± 0 3	0 1
SD030	10/26/89	NR		NR		0 58 ± 0 14	0 08	0 09 ± 0 05	0 03	0 47 ± 0 11	0 00
SD031	03/06/89	Data not yet received									
SD031	10/26/89	NR		NR		1 22 ± 0 23	0 03	0 09 ± 0 05	0 03	1 21 ± 0 23	0 00

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Operable Unit No. 2

Total Radiochemistry Sediment Sampling Results

Station Number	Date Sampled	Strontium 89 90 pCi/g		Plutonium 239 pCi/g		Americium 241 pCi/g		Cesium 137 pCi/g		Tritium pCi/ml	
SD001	08/13/86	NR		0 06 ± 0 02		0 01 ± 0 01		NR		0 30 ± 0 26	
SD001	03/07/89	-0 4 ± 0 5		0 87 ± 0 08		NR		0 7 ± 0 1		-0 03 ± 0 15	
SD001	10/26/89	0 06 ± 0 34	0 55	0 048 ± 013	0 000	NR		0 2 ± 0 3	0 3	-10 ± 320	530
SD001	08/10/89	0 0 ± 0 7	1 0	NR		NR		0 1 ± 0 1	0 1	0 18 ± 0 21	0 28
SD002	08/13/86	NR		0 80 ± 0 09		0 04 ± 0 03		NR		0 0 ± 0 25	
SD014	08/20/86	NR		0 00 ± 0 01		0 00 ± 0 01		NR		0 11 ± 0 24	
SD015	08/07/86	NR		-0 05 ± 0 08		0 02 ± 0 07		NR		0 21 ± 0 26	
SD025	03/08/89	-0 2 ± 0 3		3 3 ± 0 1		NR		0 3 ± 0 1		0 09 ± 0 16	
SD025	10/26/89	0 43 ± 0 44	0 66	0 096 ± 0 017	0 000	NR		0	0 3	370 ± 330	520
SD026	03/08/89	0 1 ± 0 5		0 42 ± 0 05		NR		0 1 ± 0 1		-0 01 ± 0 16	
SD026	10/26/89	0 06 ± 0 34	0 56	235 ± 0 034	006	NR		0 7 ± 0 3	0 4	70 ± 320	520
SD027	03/06/89	Data not yet received									
SD027	10/26/89	0 26 ± 0 41	0 64	0 015 ± 0 006	0 000	NR		0	0 2	580 ± 450	700
SD028	03/06/89	Data not yet received									
SD028	03/06/89	Data not yet received									
SD028	10/26/89	0 41 ± 0 38	0 57	0 052 ± 0 017	0 012	NR		0	0 3	280 ± 310	500
SD029	03/09/89	-0 2 ± 0 4		0 3 ± 0 1		NR		0 1 ± 0 1		0 20 ± 0 16	
SD029	03/09/89	0 0 ± 0 5		0 85 ± 0 08		NR		0 3 ± 0 1		0 17 ± 0 16	
SD029	10/25/89	0 21 ± 0 36	0 57	0 933 ± 113	0 000	NR		0 4 ± 0 1	0 3	70 ± 280	460
SD029	10/25/89	-0 22 ± 0 39	0 68	0 645 ± 074	0 011	NR		0	0 6	250 ± 290	460
SD029	10/25/89	0 35 ± 40	0 60	629 ± 076	0 000	NR		0 2 ± 0 2	0 2	320 ± 300	470
SD029	10/25/89	0 28 ± 0 34	0 52	334 ± 0 041	0 000	NR		0 4 ± 0 2	0 2	430 ± 300	470
SD030	03/08/89	0 0 ± 0 7		0 82 ± 0 08		NR		0 5 ± 0 1		0 00 ± 0 16	
SD030	03/13/89	-0 4 ± 0 6		0 46 ± 0 06		NR		0 0 ± 0 1		0 19 ± 0 16	
SD030	03/13/89	0 5 ± 0 8		0 45 ± 0 05		NR		0 0 ± 0 1		0 09 ± 0 16	
SD030	03/13/89	0 0 ± 0 6	1 1	0 08 ± 0 03	0 01	0 01 ± 0 02	0 01	0 0 ± 0 1	0 1	0 11 ± 0 16	0 26
SD030	10/26/89	0 43 ± 0 44	0 66	0 079 ± 0 015	0 004	NR		0 3 ± 0 3	0 3	100 ± 290	470
SD031	03/06/89	Data not yet received									
SD031	10/26/89	-0 10 ± 0 33	0 57	0 071 ± 0 016	0 005	NR		0 2 ± 0 2	0 2	-90 ± 320	530

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Operable Unit No. 2

Total Radiochemistry Sediment Sampling Results

Station Number	Date Sampled	Radium 226 pCi/g		Radium 228 pCi/g		Total Uranium pCi/g	Thorium 231 pCi/g	Thorium 232 pCi/g
SD001	08/13/86	NR		NR		0 730	NR	NR
SD001	03/07/89	1 2 ± 0 1		2 4 ± 0 3		2 700	NR	NR
SD001	10/26/89	0 7 ± 0 4	0 4	1 2 ± 0 5	0 5	NR	NR	NR
SD001	08/10/89	0 7 ± 0 1	0 1	1 1 ± 0 1	0 1	NR	NR	NR
SD002	08/13/86	NR		NR		1 310	NR	NR
SD014	08/20/86	NR		NR		1 390	NR	NR
SD015	08/07/86	NR		NR		0 740	NR	NR
SD025	03/08/89	NR		NR		4 800	NR	NR
SD025	10/26/89	1 4 ± 0 3	0 3	2 5 ± 0 8	0 9	NR	NR	NR
SD026	03/08/89	NR		NR		1 200	NR	NR
SD026	10/26/89	0 9 ± 0 3	0 3	1 4 ± 0 6	0 4	NR	NR	NR
SD027	03/06/89	Data not yet received						
SD027	10/26/89	0 7 ± 0 3	0 4	0 9 ± 0 5	0 6	NR	NR	NR
SD028	03/06/89	Data not yet received						
SD028	03/06/89	Data not yet received						
SD028	10/26/89	1 3 ± 0 4	0 4	1 6 ± 0 8	0 9	NR	NR	NR
SD029	03/09/89	NR		NR		2 100	NR	NR
SD029	03/09/89	NR		NR		1 400	NR	NR
SD029	10/25/89	0 9 ± 0 4	0 6	2 3 ± 0 4	0 9	NR	NR	NR
SD029	10/25/89	1 1 ± 0 3	0 4	1 7 ± 0 5	0 5	NR	NR	NR
SD029	10/25/89	1 4 ± 0 4	0 4	2 4 ± 0 5	0 7	NR	NR	NR
SD029	10/25/89	1 3 ± 0 4	0 4	2 2 ± 0 7	0 7	NR	NR	NR
SD030	03/08/89	NR		NR		1 700	NR	NR
SD030	03/13/89	NR		NR		2 900	NR	NR
SD030	03/13/89	1 3 ± 0 1		1 9 ± 0 3		1 700	NR	NR
SD030	03/13/89	1 1 ± 0 1	0 1	1 5 ± 0 2	0 1	NR	NR	NR
SD030	10/26/89	1 4 ± 0 4	0 5	1 9 ± 0 6	0 6	NR	NR	NR
SD031	03/06/89	Data not yet received						
SD031	10/26/89	1 0 ± 0 2	0 3	1 6 ± 0 6	0 6	NR	NR	NR

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