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POST-REMEDIAL ACTION REPORT FOR THE RAFFINATE PIT WORK ZONE (WP-437/RU021)

WELDON SPRING SITE REMEDIAL ACTION PROJECT
WELDON SPRING, MISSOURI

MAY 2002 **REV. 0**

RECORD

U.S. Department of Energy
Oak Ridge Operations Office
Weldon Spring Site Remedial Action Project

Prepared by MK-Ferguson Company and Jacobs Engineering Group

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DOE/OR/21548-907

Weldon Spring Site Remedial Action Project

Post-Remedial Action Report for the Raffinate Pit Work Zone (WP-437/RU021)

Revision 0

May 2002

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U.S. DEPARTMENT OF ENERGY
Oak Ridge Operations Office
Under Contract DE-AC05-86OR21548

ABSTRACT

Work Package-437 (WP-437) has been divided into twelve work zones. This report details the confirmation field activities and analytical results for contaminated soil removal of the Raffinate Pit work zone portion. This 37-acre work zone consists primarily of the four Raffinate Pits and associated interceptor trenches. The Raffinate Pit work zone has been designated as Remedial Unit (RU) 021 and subdivided into fifty-five confirmation units (CUs).

Remediation was designed to achieve surface As Low As Reasonably Achievable (ALARA) goals, and confirmation of soil remediation was required to meet cleanup standards, as established in the *Record of Decision for Remedial Action at the Chemical Plant Area of the Weldon Spring Site*. Final confirmation data verify that the established goals and standards were achieved.

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1. INTRODUCTION

1.1 Purpose

Work Package-437 (WP-437) is divided into 12 work zones, 11 of which are identified in Figure 1-1. In addition, there is the Vicinity Property DA-6 work zone off site just west of the Ash Pond work zone. This report details the confirmation field activities and analytical results for contaminated soil removal of the Raffinate Pit work zone portion of WP-437.

Soil characterization results, pre-excavation walkovers, and historical process knowledge of the WP-437 work zones determined that the work zones contained contaminant concentrations that exceeded the As Low As Reasonably Achievable (ALARA) goals established in the *Record of Decision for Remedial Action at the Chemical Plant Area of the Weldon Spring Site* (ROD) (Ref. 1). Remediation was designed to achieve surface ALARA goals, and confirmation of soil remediation to the ROD cleanup standards was required.

The Raffinate Pit work zone was subdivided into fifty-five confirmation units (CUs) that are collectively known as remedial unit (RU) 021 and are identified in Figure 1-2. Individual CU figures are presented in Section 4 of this report.

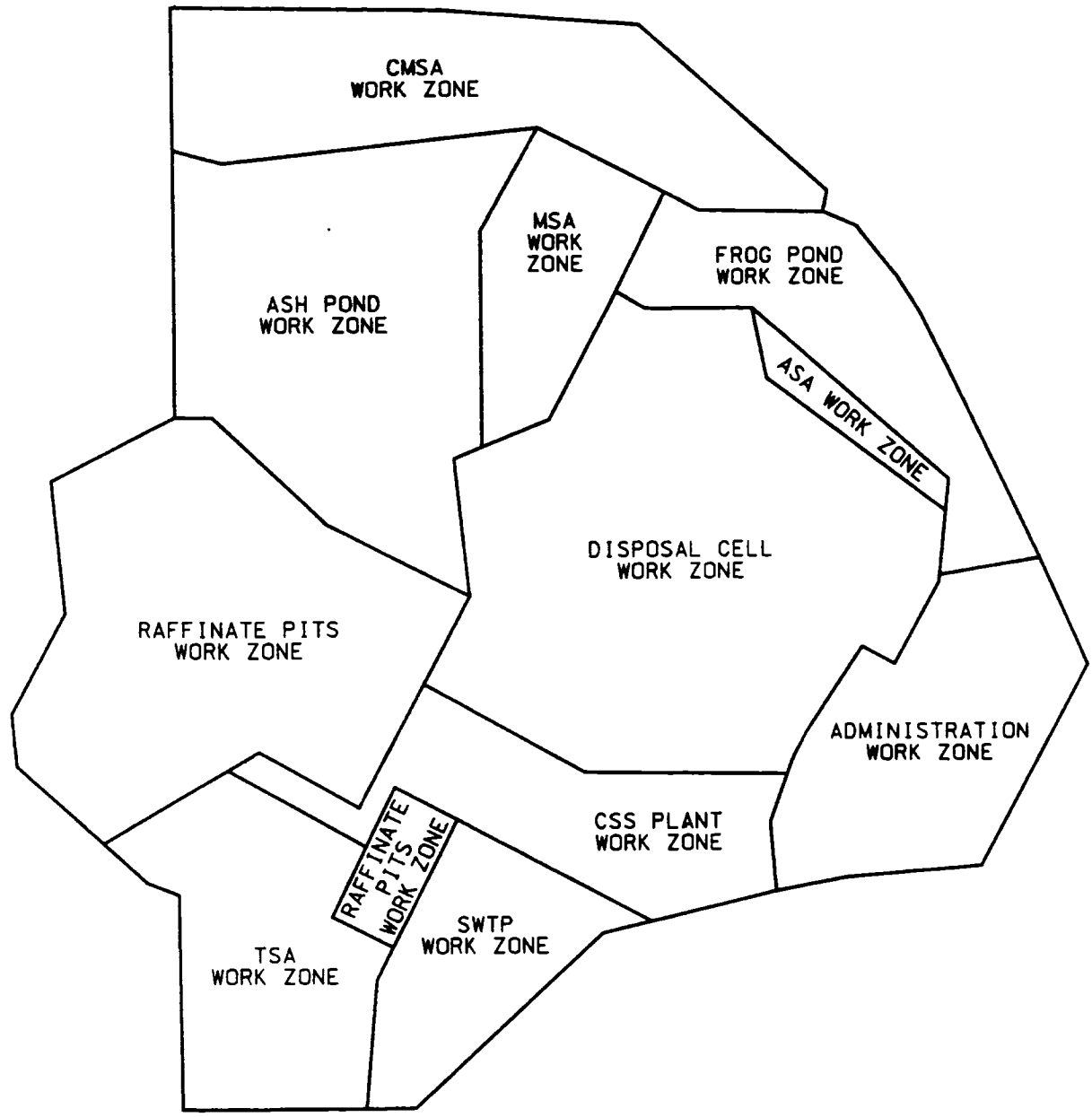
1.2 Scope

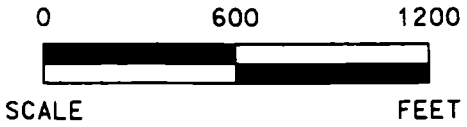
This report describes the remedial activities, final walkovers and confirmation sampling conducted on contaminated soils within RU021. Confirmation walkovers and soil sampling were conducted in accordance with the *Confirmation Sampling Plan Details for the Disposal Cell Facility (WP-437)* (Ref. 2). This plan was developed to ensure that the objectives identified in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 3) were accomplished, and to ensure that the remediation requirements of the ROD were met.

1.3 Remediation and Confirmation Process

This report details the activities conducted to remediate the Raffinate Pit portion of WP-437, which consists of CU221 through CU271 and CU391 through CU394. Remediation consisted of excavation of contaminated sludge and soils within the Raffinate Pits, and removal of interceptor trenches associated with the Raffinate Pits. Following remediation, walkovers were conducted and confirmation samples were collected to ensure that all contaminated materials had been remediated.

The entire remediation process included characterization sampling, historical data review, contaminants of concern (COC) identification, confirmation plan development, contaminated soil excavation, radiological walkover surveys, confirmation soil sampling, preliminary and final data review, completion of disposition forms, quality assurance/quality control (QA/QC) review, summary of findings and conclusions, and closure report preparation.





WP-437 WORK ZONE DESIGNATIONS

FIGURE 1-1

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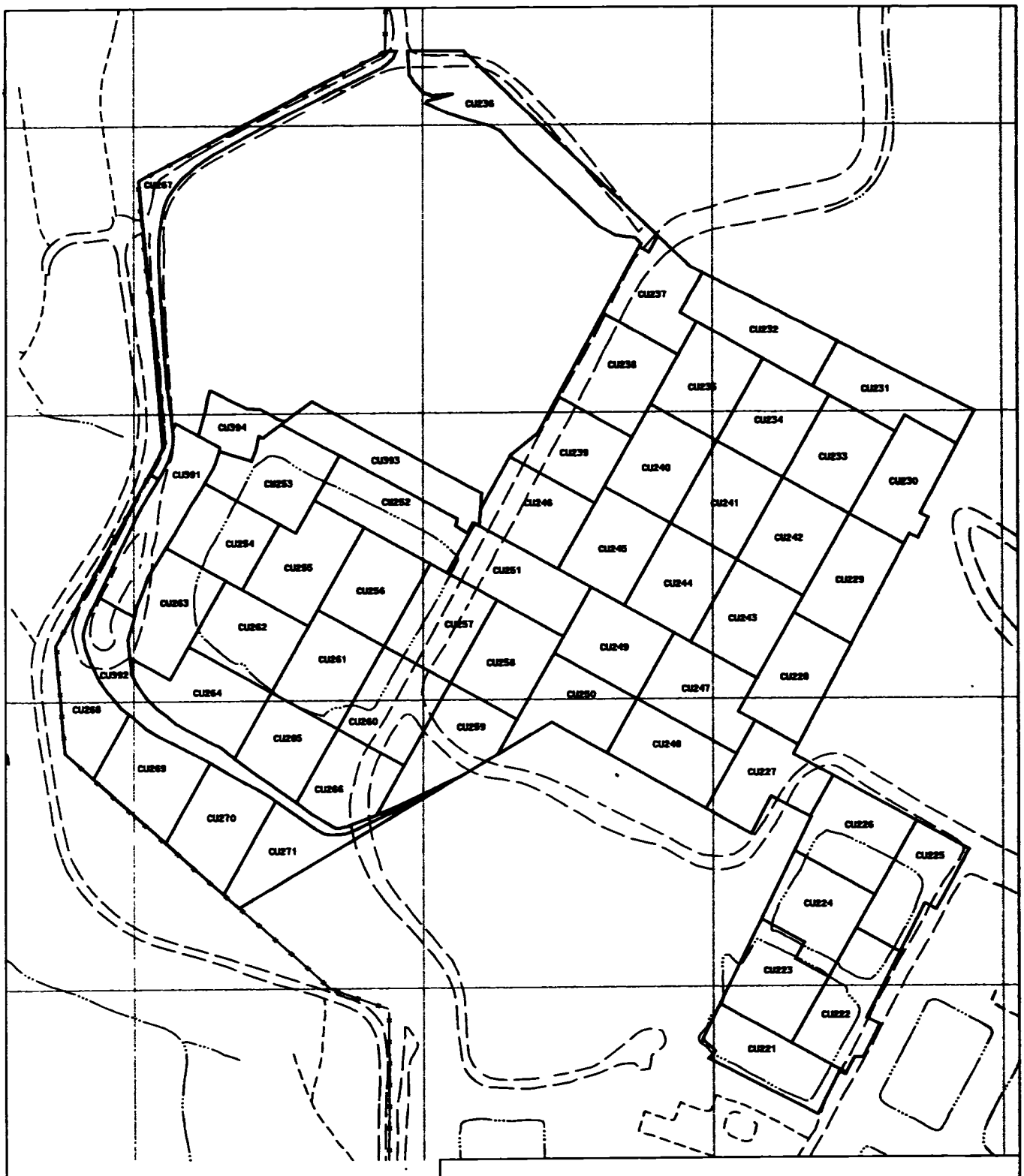

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SCALE FEET

CONFIRMATION UNITS IN REMEDIAL UNIT RU021

FIGURE 1-2

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2. PRE-REMEDIATION ACTIVITIES

2.1 Determining Contaminants of Concern

Contaminant of concern (COC) determination was dependant upon historical information, characterization results, and visual observation during field activities, and not all COCs were required for all sample locations. The full process for identifying COCs is detailed in the *Confirmation Sampling Plan Details for the Disposal Cell Facility (WP-437)* (Ref. 2). This plan identified COCs for RU021 as arsenic (As), chromium (Cr), lead (Pb), thallium (Tl), polynuclear aromatic hydrocarbon (PAH), polychlorinated biphenyl (PCB), 2,4,6-Trinitrotoluene (TNT), Radium-226 (Ra-226), Radium-228 (Ra-228), Thorium-230 (Th-230), Thorium-232 (Th-232), and Uranium-238 (U-238).

When the WP-437 Confirmation Sampling Plan was written, Raffinate Pit characterization was incomplete. As the sludge was removed from each of the Raffinate Pits, characterization of the floors was completed. Additional details are presented in Section 4. In addition, four new CUs were created in the raffinate pit 4 area to encompass remaining portions of the berms that were not part of the sampling plan. See Interoffice Correspondence (IOC) dated September 27, 1999, and November 11, 1999, in Appendix D of this report for details. Figure 1-2 shows the final CU configuration and COC lists for each CU can be found in the Summary Forms in Section 4 of this report.

2.2 Data Quality Objectives

Data Quality Objectives (DQOs) were identified to specify quality data and ensure that the data would be sufficient to support the decision making process throughout remedial activities, including the confirmation process. Confirmation DQOs were developed for sampling and analyzing soils during remediation and for the subsequent data evaluation. The DQOs were designed to make statistically defensible decisions regarding attainment of cleanup standards. Sampling and analytical programs for the WP-437 work zones were designed in accordance with DQOs stated in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 3).

2.3 Cleanup Standards

The objective of the Department of Energy (DOE) As Low As Reasonably Achievable (ALARA) process is to reduce exposures and risks associated with residual contamination. The ROD (Ref. 1) established two different sets of cleanup standards: risk-based cleanup criteria and ALARA goals. Remedial activities for WP-437 were designed to remove soil where the Contaminant of Concern (COC) concentrations were found by characterization or during remediation activities to exceed ALARA goals. Table 2-1 summarizes the cleanup criteria and ALARA goals established in the ROD that are applicable for COCs in the Raffinate Pit work zone. Throughout the remedial activities at RU021, COC concentrations were evaluated with the ALARA process.

Table 2-1 ROD Cleanup Standards for COCs within the WP-437 Raffinate Pit Work Zone

	SURFACE [a]		SUBSURFACE [b]	
RADIONUCLIDE (pCi/g)	ALARA	CRITERIA	ALARA	CRITERIA
Ra-226	5.0	6.2	5.0	16.2
Ra-228	5.0	6.2	5.0	16.2
Total Radium	5.0	6.2	5.0	16.2
Th-230	5.0	6.2	5.0	16.2
Th-232	5.0	6.2	5.0	16.2
U-238	30.0	120	30.0	120.0
CHEMICAL (mg/kg)				
Arsenic	45	75	75	750
Chromium	90	100	100	1000
Lead	240	450	450	4500
Thallium	16	20	20	200
TNT	14	140	140	1400
PAH	0.44	5.6	5.6	56
PCB	0.65	8	8	80

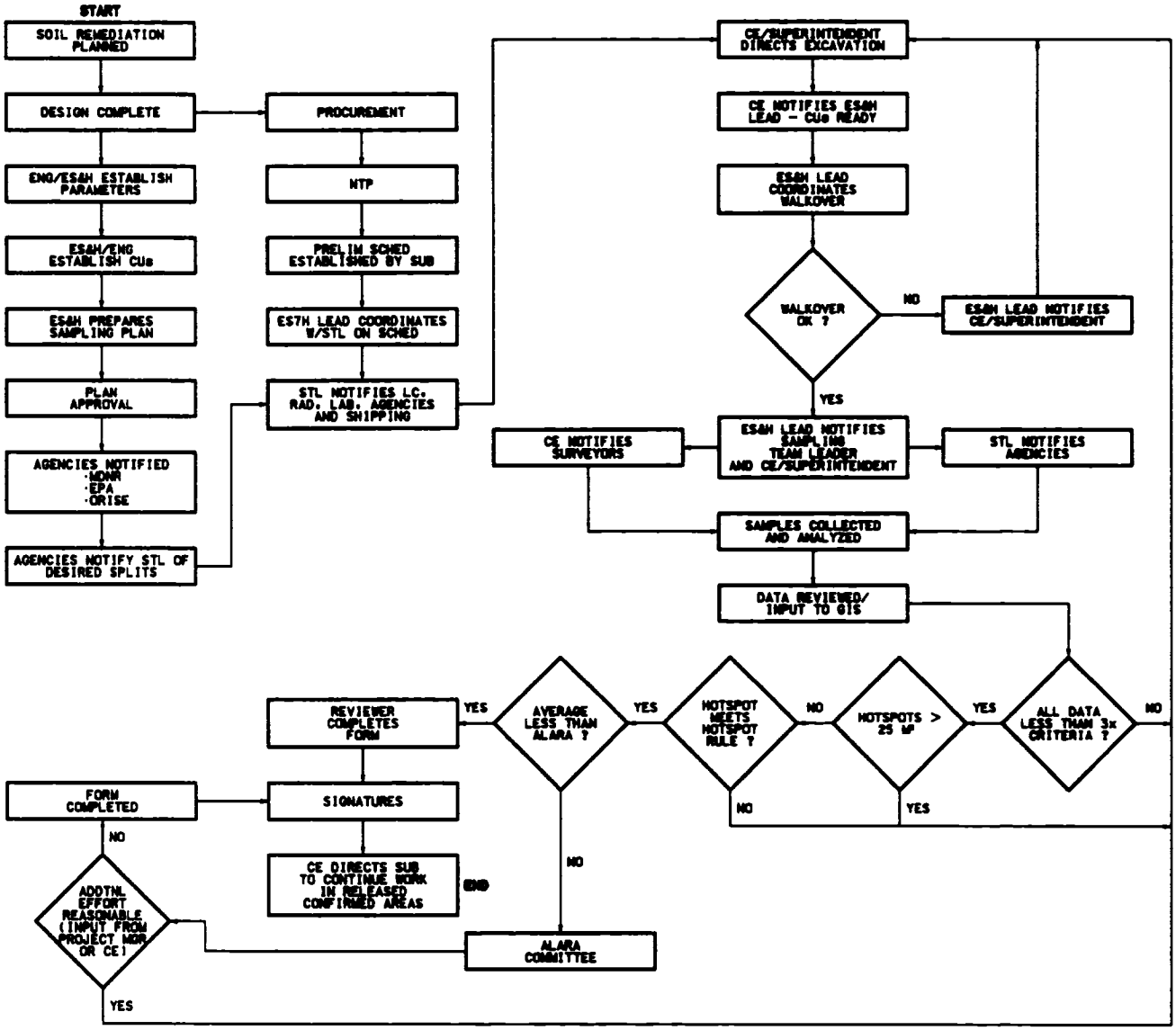
(a) Values listed for surface soils apply to contamination within the upper 15 cm (6 in.) of the soil column.
(b) Values for subsurface apply to contamination in soils below 15 cm (6 in.).

Source: *Record of Decision for Remedial Action at the Chemical Plant Area of the Weldon Spring Site* (Ref. 1)

2.4 Cleanup Confirmation Process

The cleanup confirmation process is used to determine, under the remedial guidelines, if remediation activities have achieved the cleanup standards. Figure 2-1 shows the cleanup confirmation process for remedial activities conducted at the WP-437 area.

The decision-making process specifies how the data will be applied and evaluated within the cleanup confirmation process. The decision-making process includes provisions for any hot spots that may be encountered by applying a formula to determine the acceptable concentration for the COC.



CLEANUP CONFIRMATION PROCESS

FIGURE 2-1

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3. REMEDIAL ACTIVITIES

3.1 Field Activities

Contaminated soils and structures were removed from the Raffinate Pit work zone and areas were excavated to design depths as detailed in the Raffinate Pit work zone specifications (Ref. 4), where applicable. The excavation of contaminated soils in Raffinate Pits 1, 2, and 3 was designed to subsurface criteria in areas where the cost of excavation outweighed the limited amount of contamination removed at depth (Ref. 10). These areas are identified in Section 4, Table 4-1. After the initial excavation was complete, radiological walkover surveys were conducted to evaluate the need for additional excavation. When the surveys indicated no additional excavation was needed, confirmation soil samples were collected.

Confirmation results were then reviewed, and additional excavation and confirmation sampling was conducted in hot spot areas, if necessary. After achieving cleanup standards, a disposition form was completed with preliminary analytical results. The form was reviewed and signed by authorized project personnel. The confirmation unit (CU) was then released back to the subcontractor for final grading.

Field activities completed during remediation, such as walkover surveys and soil sampling, were conducted in accordance with procedures specified in the *Confirmation Sampling Plan Details for the Disposal Cell Facility (WP-437)* (Ref. 2). Field activities were conducted to achieve and document sampling objectives specified in the *Chemical Plant Area Cleanup Attainment Confirmation Plan* (Ref. 3). All sampling and remedial action surveys were conducted and documented in accordance with Weldon Spring Site Remedial Action Project (WSSRAP) Environmental Safety and Health (ES&H) procedures.

3.1.1 Walkover Surveys

Radiological walkover surveys were conducted after contaminated soil removal was complete to determine if confirmation sampling could begin. The surveys were conducted using a 2 in. x 2 in. sodium iodide (NaI) scintillation detector. In general, survey readings were within an acceptable range (less than 1.5 times background) for all applicable CUs in this work zone. An exception was found in CU223, where two areas remaining exceeded 1.5 times background and additional samples were collected. Details are provided on the CU Summary Form in Section 4 of this report.

As expected and detailed in the Sampling Plan, elevated gamma radiation backgrounds resulting from the exposed raffinate in adjacent areas were encountered during walkovers in some portions of RU 021. Therefore, shielded detectors were used while performing walkover surveys in these areas to minimize the raffinate gamma background contribution. These walkover results, combined with the high scanning minimum detectable concentration characteristic of one of the primary COCs in the area, Th-230, were considered of limited use for

detecting small areas of contaminated soil with concentrations near the Th-230 criterion and therefore a greater reliance was placed on sampling to identify residual hot spots. Over half of the hot spots that were identified during sampling in RU 021 were due to Th-230. In these cases, the Th-230 hotspots probably would not have been identified by scanning, even under ideal conditions. Refer to Section 2.1 of the *Confirmation Sampling Plan Details for the Disposal Cell Facility (WP 437)* for additional details.

3.1.2 Soil Sampling

Once the walkovers were completed, or it was determined that confirmation sample collection could begin, soil sampling was conducted as part of the confirmation process. The sampling locations for CUs in RU021 are shown in the figures in Section 4. Analytical suites for the CUs were dependant upon the COC list developed from historical information, characterization data, and visual identification in the field as discussed in Section 2.

The subsequent survey and confirmation sample results indicated that contaminants were below the applicable cleanup standards and the averages were less than the applicable ALARA goals; therefore, no further remediation was conducted for RU021. Disposition forms were completed following the receipt of preliminary analytical data for all CUs within the Raffinate Pit work zone.

3.2 Laboratory Activities

Radiological analyses for RU021 were conducted at on-site and off-site laboratories in accordance with the *Project Management Contractor Quality Assurance Program* (Ref. 5) and the *Environmental Quality Assurance Project Plan* (EQAPjP) (Ref. 6). CU releases were based on estimated Ra-226 results. In addition, the concentration of Th-232 was calculated based on the analytical results of Ra-228 and the calculated value was used for CU releases. Both of these calculations are explained in detail in interoffice correspondences (IOCs) in Appendix D. Chemical analyses for RU021 were conducted at subcontracted off-site laboratories using Contract Laboratory Program (CLP) methodologies.

Summaries of the analytical results for each CU can be found in Section 4 of this report. Analytical data were subject to verification, review, and validation upon receipt from the laboratory, as detailed in Section 5 of this report.

3.3 Independent Verification Activities

The Oak Ridge Institute for Science and Education (ORISE) was contracted by the U. S. Department of Energy (DOE) to verify confirmation soil sampling in the chemical plant area. Verification activities included independent walkover radiological surveys and collection and analysis of soil samples to verify proper disposition of CUs. Field verification activities were conducted in accordance with ORISE's final survey plan (Ref. 7).

ORISE visits to verify WP-437 work zones included 14 CUs in the Raffinate Pit work zone. Soil sampled collected by ORISE and associated samples collected by the Project Management Contractor (PMC) are noted on the Summary Forms in Section 4 of this report. A table summarizing ORISE hotspot information is presented in Appendix E. A final verification report will be prepared by ORISE. The ORISE report will contain verification of walkover surveys and soil sampling results and will affirm that the remedial action objectives were achieved.

4. CONFIRMATION UNITS RESULTS SUMMARY

This section summarizes the confirmation unit (CU) analytical results for the fifty-five CUs in RU021. In total, 1783 locations were sampled between 07/08/98 and 07/22/00. Preliminary results were below cleanup criteria. Average contaminant of concern (COC) concentrations as indicated by preliminary data remained below as low as reasonably achievable (ALARA) goals with the exception of the PAH average for CU267. Details are presented in the appropriate summary form in this section. All 100 m^2 averages from final data are less than criteria.

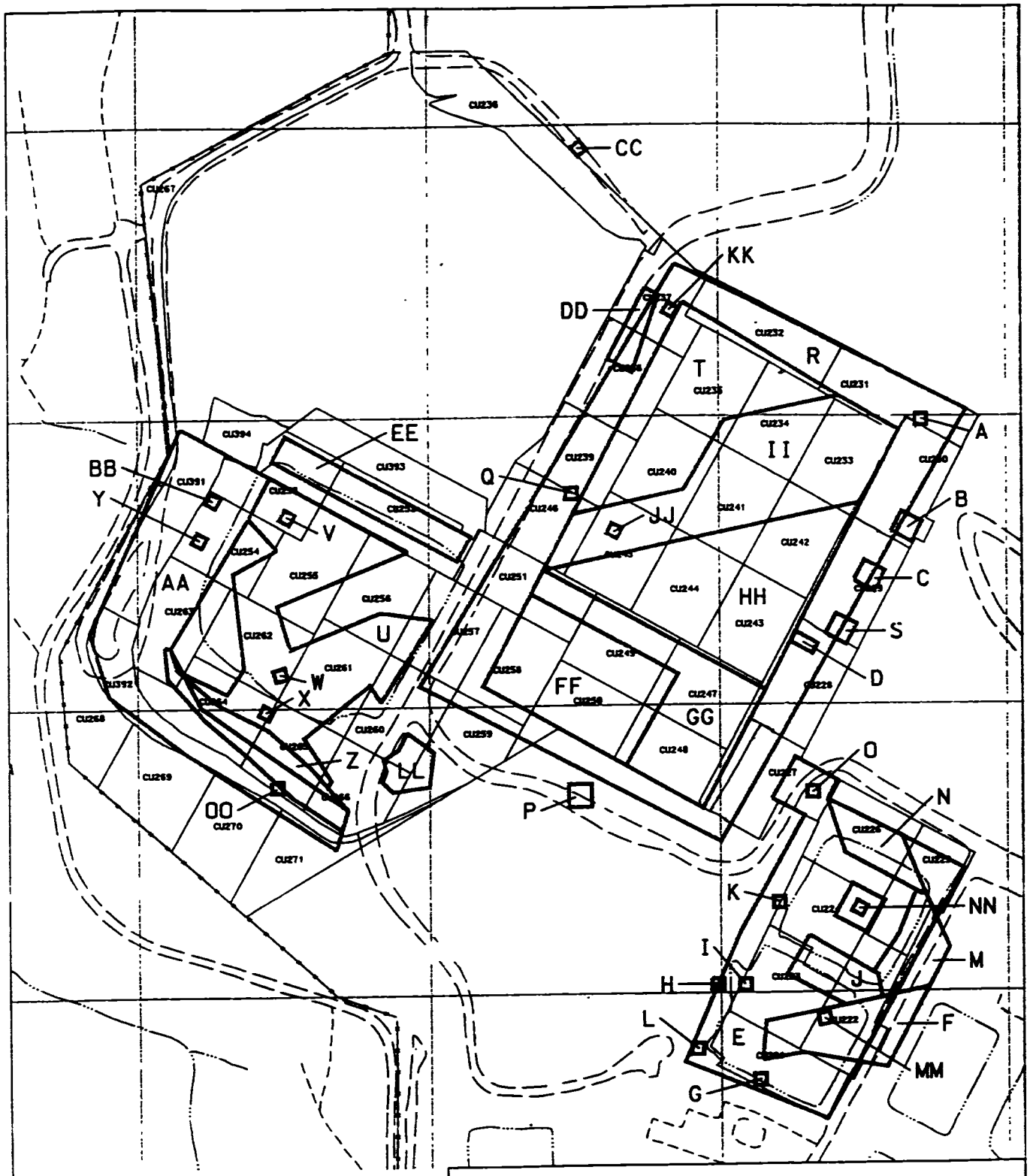
After the preliminary data were reviewed, disposition forms were completed and signed by authorized reviewers. Based on the preliminary confirmation data, all fifty-five CUs in RU021 were fully released as complying with the appropriate cleanup standards.

Note that the preliminary data were the initial results available immediately from the laboratory and were used for releases. These preliminary results could vary from the final results based upon laboratory quality checks or Weldon Spring Site Remedial Action Project (WSSRAP) verification activities. Upon receipt of the data packages, the final data were reviewed and compared to the preliminary data. The final analytical results agreed with or were lower than the preliminary results and indicated that the remedial activities were completed. The final results meet the cleanup standards as detailed in the *Chemical Plant Area Cleanup Area Attainment Confirmation Plan* (Ref. 3) for all CUs in RU021.

Additional characterization of the raffinate pits was conducted once the sludge was removed. Characterization results are detailed in the *Results of Engineering Soil Sampling for Weldon Spring Raffinate Pits 3 and 4* (Ref. 8) and associated addendums and the *Results of Engineering Soil Sampling for Weldon Spring Raffinate Pit 1 Bottom* (Ref. 9). Based upon these results, the number of in-situ contamination areas identified in the sampling plan with the prefix RPX-, increased from five to forty-six. Details of these areas are presented in the Raffinate Pit Work Zone Specifications (Ref. 4) and the *In-Situ Soil Excavation Technical Memorandum* (Ref. 10). Table 4-1 provides summary information and Figure 4-1 shows the locations of the in-situ areas.

Tables 4-2 through 4-56 and associated figures provide the confirmation details for each CU, and all data presented is final data. Copies of the walkover survey information for each CU are presented in Appendix A. The final data are presented in Appendix B. A list of sample location coordinates is presented in Appendix C.

On the following tables in this section, the "Date Released For Unrestricted Use" refers to the date that confirmation activities were completed and the CU was released to the subcontractor to begin final backfilling and/or regrading. The phrase is not synonymous with DOE Order 5400.5 terminology that refers to release without radiological restrictions.



RAFFINATE PITS WORK ZONE
IN-SITU AREAS (RPX's)

FIGURE 4-1

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ORIGINATOR: MGL	DRAWN BY: GLN	DATE: 2/1/02	

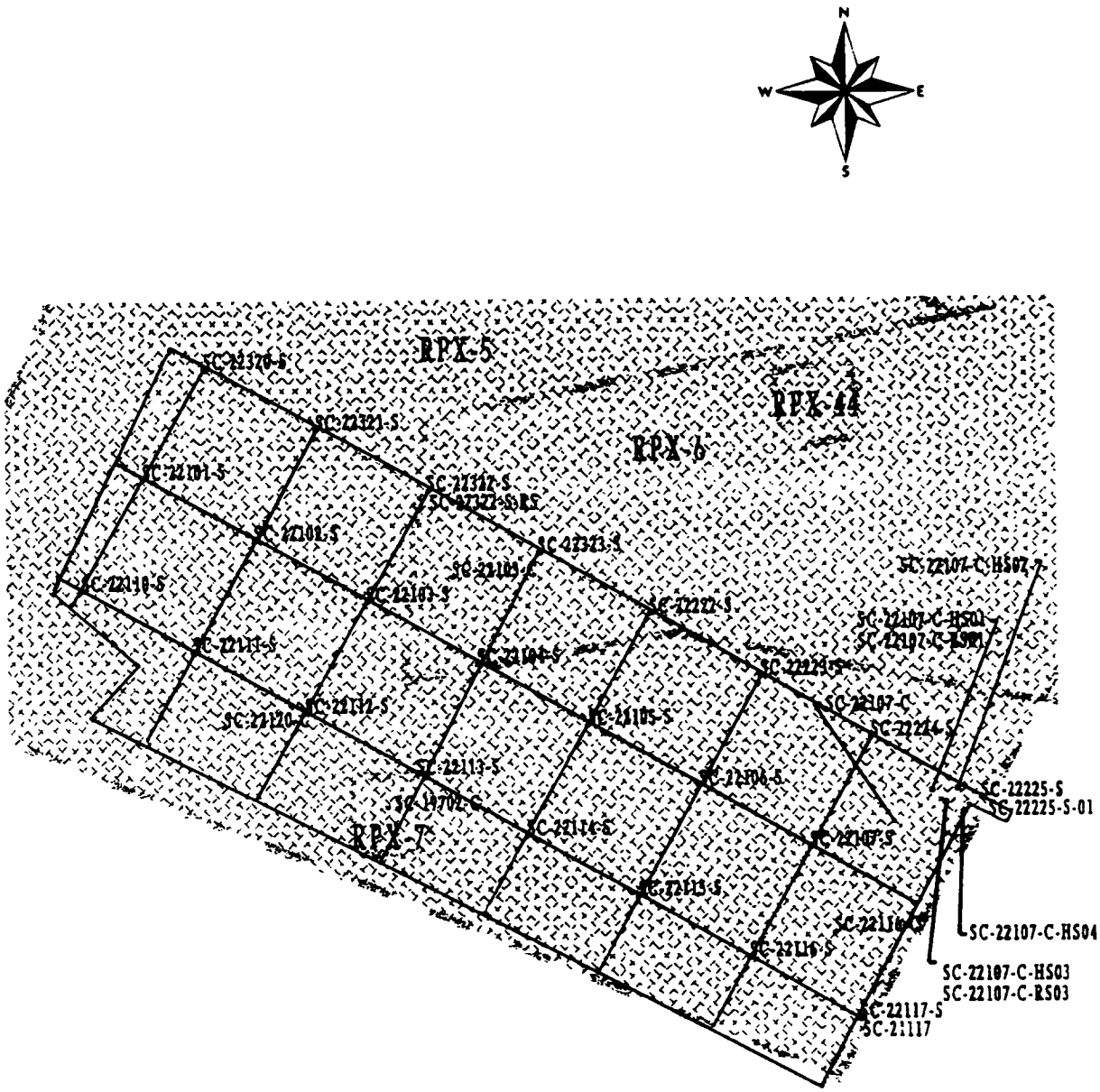
Table 4-1 Summary of Raffinate Pit In-Situ Areas (RPXs)

In-situ area	Area	Contaminant	Reference for Figure 4-1	In-situ area	Area	Contaminant	Reference for Figure 4-1
RPX-1	Pit 3	Th-230	A	RPX-24	Pit 4	Ra/Th/U	W
RPX-2	Pit 3	Th-230	B	RPX-25	Pit 4	Ra/Th	X
RPX-3	Pit 3	Th-230	C	RPX-26	Not Used	-	-
RPX-4	Pit 3	PAH	D	RPX-27	Pit 4	PAH	Y
RPX-5	Pits 1 and 2	Ra/Th/PAH	E	RPX-28	Pit 4	Ra/Th	Z
RPX-6	Pits 1 and 2	Ra/Th	F	RPX-29(a)	Pit 4	PAH	AA
RPX-7	Pits 1 and 2	Ra/Th	G	RPX-30	Pit 4	Ra/Th/PAH	BB
RPX-8	Pits 1 and 2	Ra/Th/PAH	H	RPX-31	Not Used	-	-
RPX-9	Pits 1 and 2	Ra/Th	I	RPX-32	Not Used	-	-
RPX-10	Pits 1 and 2	Ra/Th	J	RPX-33	Ash Pond	PAH	CC
RPX-11	Pits 1 and 2	Ra/Th	K	RPX-34	Pit 3	As/Cr/Ra/Th	DD
RPX-12	Not Used	-	-	RPX-35	Pit 4	Cont. material	EE
RPX-13	Pits 1 and 2	Th-230	L	RPX-36(b)	Pit 3	Th	FF
RPX-14	Pits 1 and 2	Ra/Th/PAH	M	RPX-37	Pit 3	Th	GG
RPX-15	Pits 1 and 2	Ra/Th	N	RPX-38	Pit 3	Th	HH
RPX-16	Pits 1 and 2	Th-230	O	RPX-39	Pit 3	Th	II
RPX-17	South of Pit 3	PAH	P	RPX-40	Pit 3	Th	JJ
RPX-18	Pit 3	PAH	Q	RPX-41	Not Used	-	-
RPX-19(a)	Pit 3	Th-230	R	RPX-42	Pit 3	Th	KK
RPX-20	Pit 3	Ra-226/228	S	RPX-43	Pit 4	PCB	LL
RPX-21	Pit 3	Th-230	T	RPX-44	Pits 1 and 2	Ra/Th	MM
RPX-22	Pit 4	Th/U	U	RPX-45	Pits 1 and 2	Th	NN
RPX-23	Pit 4	Ra/Th	V	RPX-46	Pit 4	PAH	OO

Table 4-1 Summary of Raffinate Pit In-Situ Areas (RPXs) Continued

(a) RPX-19 and RPX-29 represent in-situ excavations targeting the removal of the 1954 topo. This lens when encountered near the raffinate pits was typically contaminated. These RPXs were created to represent that excavation. In general, the original confirmation sampling and removal of clean material occurred prior to reaching the 1954 surface. Samples of this surface are typically represented by the "-01" suffix.

(b) Represent areas not excavated to surface ALARA. Details can be found in the *In-Situ Soil Excavation* Technical Memorandum (Ref. 10).



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU221

Figure: 4-2

REPORT NO : DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/18/02	

Table 4 - 2 Summary of CU221

CU 221 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4 - 2

DATE RELEASED FOR UNRESTRICTED USE: 06/ 09/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 2.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,700 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *04/16/00; 05/01/00; 05/05/00; 05/20/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 32

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-5 and RPX-7. One sample point (SC-19702-C) was was added to represent RPX-7. (2) One Th-230 hotspot was identified at SC-22322-S. This hotspot was excavated and resampled. (3) All final results are below ALARA.*

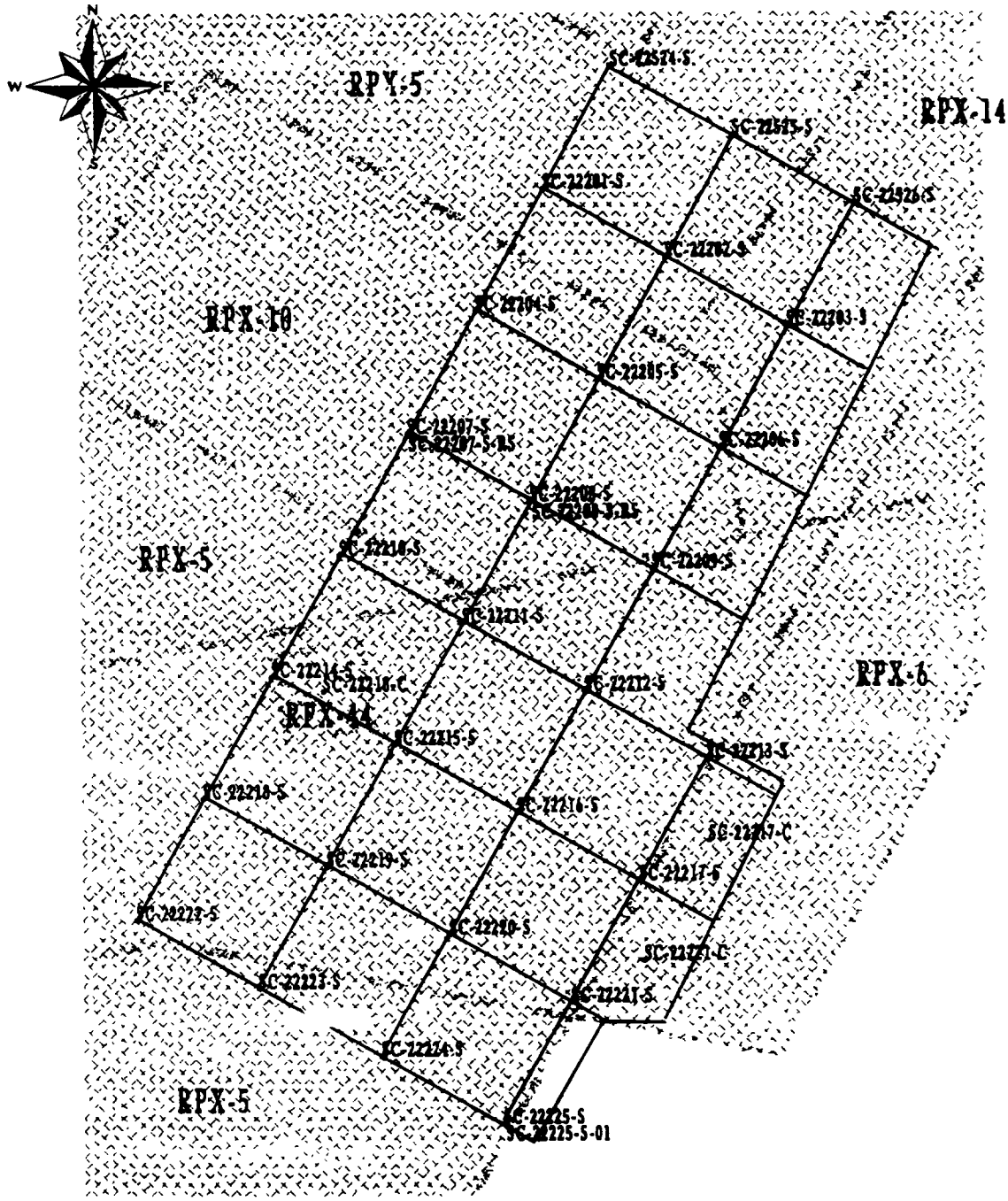
ORISE ACTION - *ORISE visited CU221 on 05/23/00. They identified four areas near grid point SC-22107-S with elevated readings. These locations were sampled to determine hotspot status and were identified as SC-22107-S-HS01 thru SC-22107-S-HS04. Based upon preliminary data, two of the locations (SC-22107-S-HS01 and SC-22107-S-HS03) exceeded criteria for radium. These areas were excavated and resampled. ORISE also collected a sample within this area. Their result agreed with PMC samples, identifying radium as the only contaminant above criteria. All final results are below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	34	0.19 - 2.84	0.75	5	6.2	0	0
Ra-228	34	0.34 - 1.30	0.87	5	6.2	0	0
Total Radium	34	0.58 - 4.14	1.62	5	6.2	0	0
Th-230	34	0.69 - 3.52	1.24	5	6.2	0	0
Th-232	34	0.35 - 1.33	0.89	5	6.2	0	0
U-238	34	0.81 - 6.65	1.52	30	120	0	0
PAH	11	results < detection limit	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU222

Figure: 4-3

REPORT NO.:	DOE/OR/21548-907	EXHIBIT NO :			
ORIGINATOR:	MGL	DRAWN BY:	LGE	DATE	04/03/02

Table 4 - 3 Summary of CU222

CU 222 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4 - 3

DATE RELEASED FOR UNRESTRICTED USE: 06/ 09/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the eastern portion of Raffinate Pits 1 and 2.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 4,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *04/16/00; 05/01/00; 05/02/00; 05/17/00; 05/19/00; 05/23/00; 06/02/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 31

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-5, RPX-6, RPX-10, and RPX-14. (2) Sample location SC-22218-C was added to represent RPX-44. (3) Two radium hotspots were identified at SC-22207-S and SC-22708-S based upon preliminary data. Both hotspots were excavated and resampled. (4) All final results are below ALARA.*

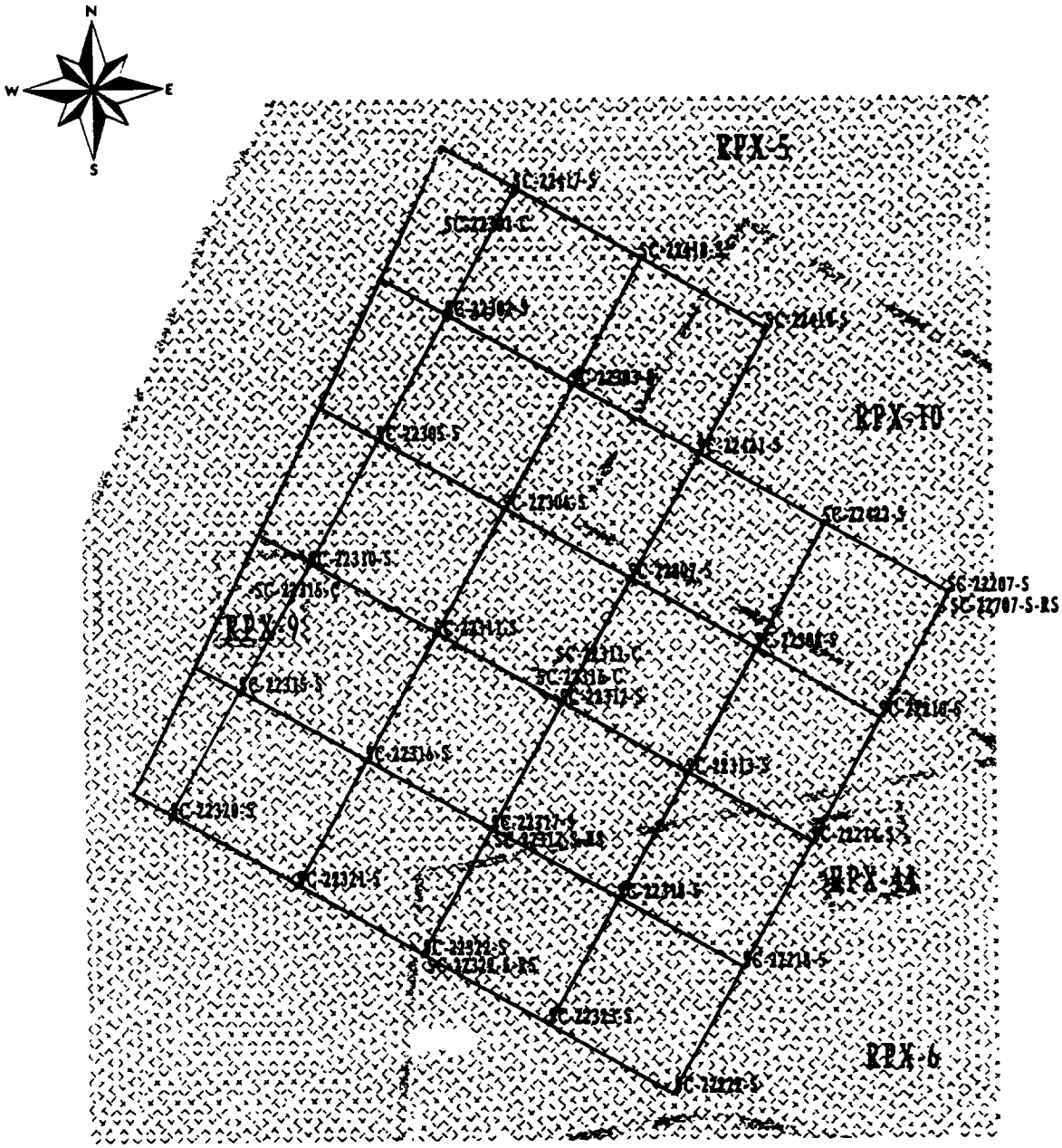
ORISE ACTION - *One sampled was collected by ORISE approximately 5 meters northeast of SC-22201-S. All results were below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	32	0.21 - 0.99	0.6	5	6.2	0	0
Ra-228	32	0.31 - 1.27	0.86	5	6.2	0	0
Total Radium	32	0.52 - 2.11	1.46	5	6.2	0	0
Th-230	32	0.70 - 3.52	1.17	5	6.2	0	0
Th-232	32	0.32 - 1.30	0.88	5	6.2	0	0
U-238	32	0.89 - 2.30	1.44	30	120	0	0
PAH	19	0.0 - 0.02	0.002	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



NOTE: SAMPLES SC-22419-S-HS01 THROUGH SC-22419-S-HS04, ARE SET APPROXIMATELY 2.5 METERS FROM SC-22419-S

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021 Confirmation Unit CU223

Figure: 4-4

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO ·	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/18/02	

Table 4 - 4 Summary of CU223

CU 223 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4 - 4

DATE RELEASED FOR UNRESTRICTED USE: 06/ 13/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northwestern portion of Raffinate Pit 2.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [ ] YES [X] NO

DATE(S) SCANNED: *05/05/00; 05/20/00; 05/23/00; 06/03/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 32

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-5, RPX-6 and RPX-10. Sampled location SC-22315-C was added to represent RPX-9. (2) During final walkovers conducted on 06/03/00, areas at 2 times background remained, as noted on the form (see Appendix A). Additional sample locations (SC-22311-C and SC-22316-C) were added to represent those areas, in accordance with the WP-437 Confirmation Sampling Plan. (3) Based upon preliminary data, two Th-230 (SC-22317-S and SC-22322-S) and two radium hotspots (SC-22207-S and SC-22419-S) were identified. Both Th-230 hotspots and one of the radium hotspots were excavated and resampled. One of the radium hotspots was sampled around to determine size and was found to meet the hotspot rule, therefore no further excavation was required. Based upon final data (which allows for radon ingrowth - see Section 3.2), this radium result was below criteria and therefore no hotspots actually remain. (4) All final results are below criteria.*

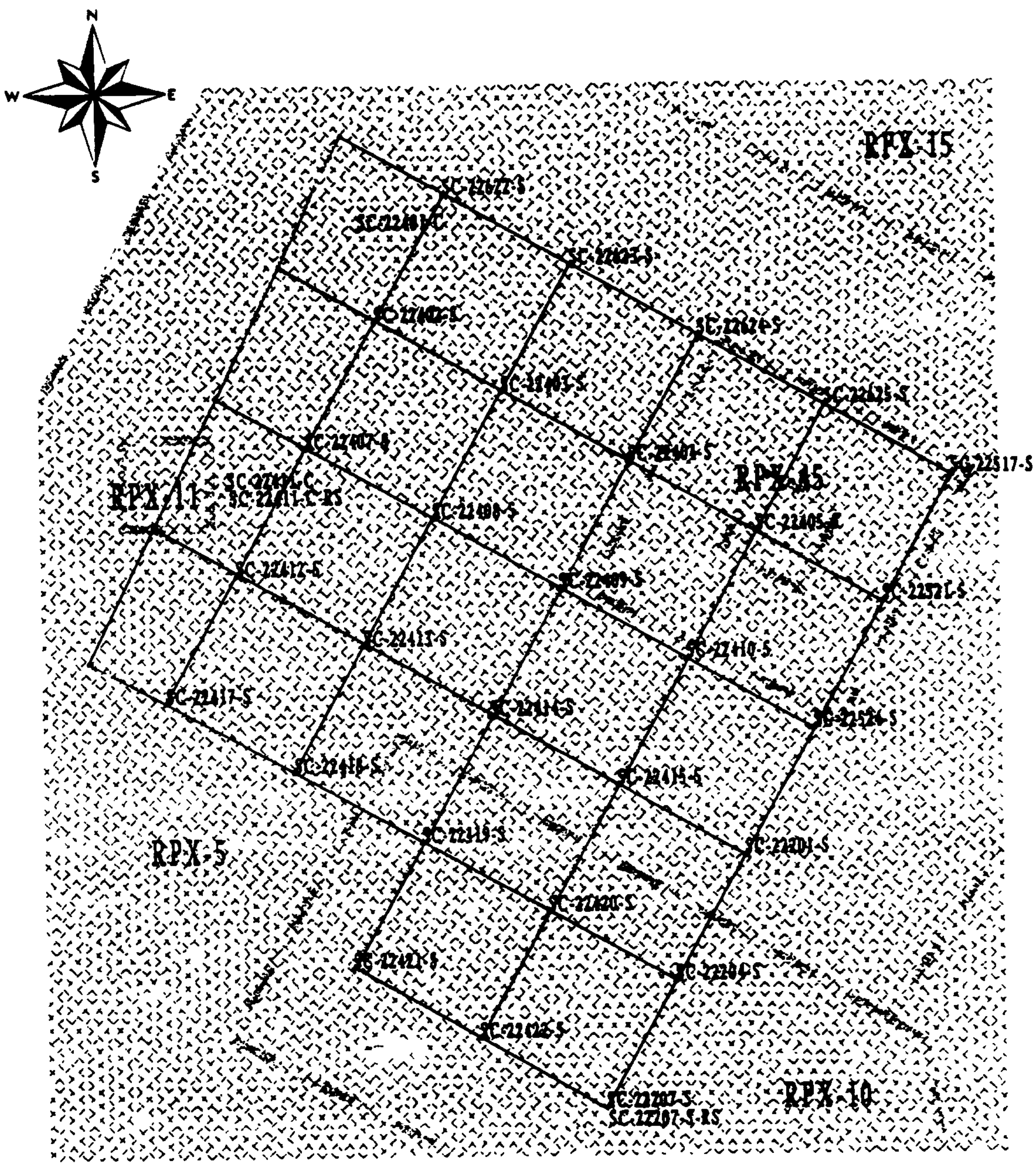
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	32	0.26 - 4.0	0.92	5	6.2	0	0
Ra-228	32	0.36 - 1.32	0.93	5	6.2	0	0
Total Radium	32	0.98 - 5.12	1.84	5	6.2	1	0
Th-230	32	0.80 - 3.23	1.28	5	6.2	0	0
Th-232	32	0.37 - 1.35	0.95	5	6.2	0	0
U-238	32	1.00 - 7.37	1.36	30	120	0	0
PAH	10	results < detection limit	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



NOTE: SAMPLES SC-22419-S-HS01 THROUGH SC-22419-S-HS04 ARE OFFSET APPROXIMATELY 2.5 METERS FROM SC-22419-S

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021 Confirmation Unit CU224

Figure: 4-5

REPORT NO.:	DOE/OR/21548-907		EXHIBIT NO :		
ORIGINATOR:	MGL	DRAWN BY:	LGE	DATE:	01/14/02

Table 4 - 5 Summary of CU224

CU 224 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4 - 5

DATE RELEASED FOR UNRESTRICTED USE: 06/ 13/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 1.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *05/05/00; 05/22/00; 05/23/00; 06/02/00; 06/03/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-5, RPX-10, RPX-11 and RPX-45.*
(2) Based upon preliminary data, one Th-230 and two radium hotspots were identified. The Th-230 hotspot (SC-22411-C) and one of the radium hotspots (SC-22207-S) were excavated and resampled. The second radium hotspot (SC-22419-S) was sampled around and found to meet the hotspot rule, therefore no additional excavation was required. Based upon final data (which allows for radon ingrowth - see Section 3.2), this radium result was below criteria and therefore no hotspots actually remain.
(3) All final results are below criteria.

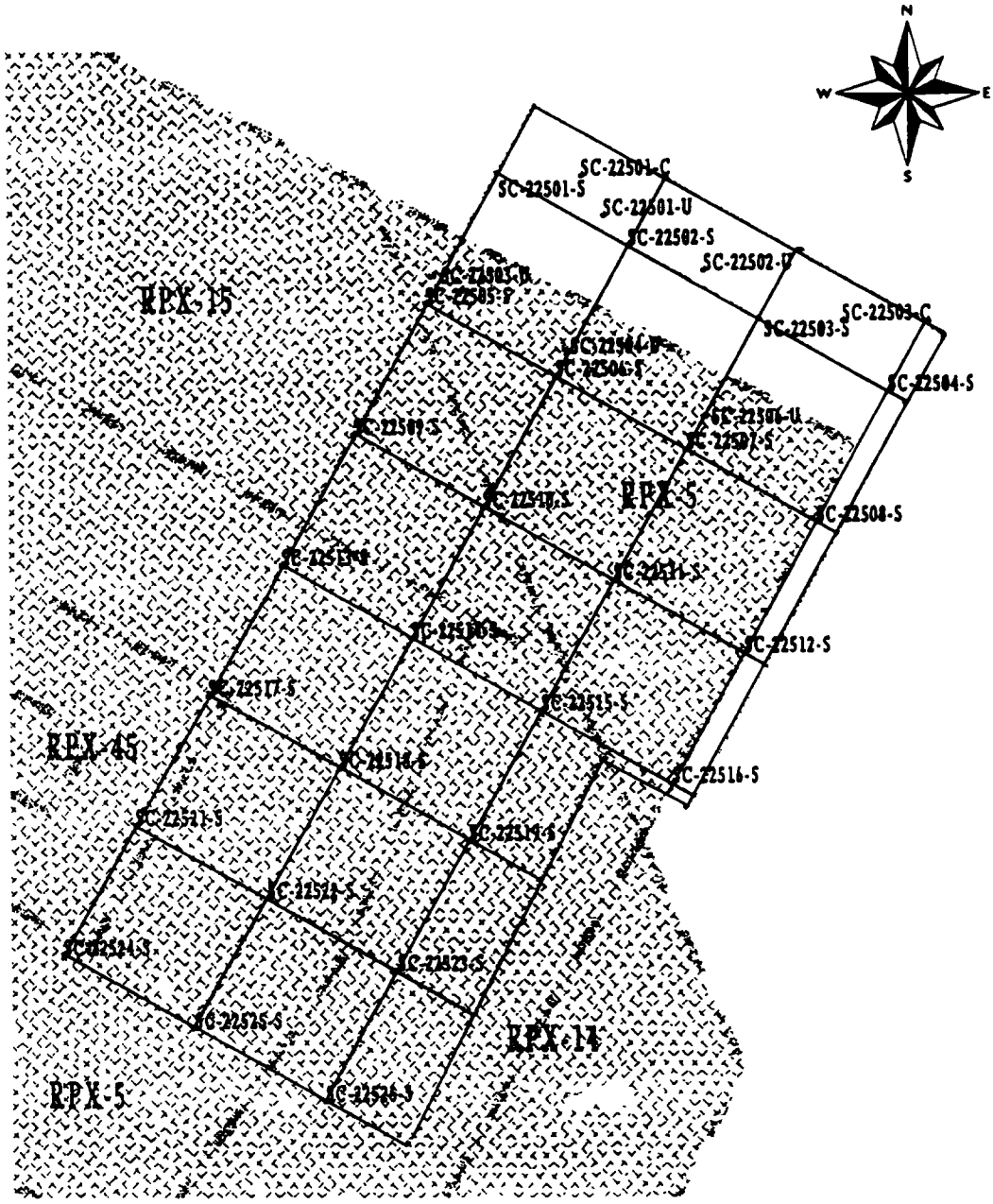
ORISE ACTION - *Two samples were collected by ORISE, one at approximately 5 meters northeast of SC-22403-S and one approximately 5 meters northeast of SC-22418-S. All results were below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	30	0.21 - 4.00	0.78	5	6.2	0	0
Ra-228	30	0.31 - 1.32	0.96	5	6.2	0	0
Total Radium	30	0.52 - 5.12	1.74	5	6.2	1	0
Th-230	30	0.83 - 5.86	1.43	5	6.2	1	0
Th-232	30	0.32 - 1.35	0.98	5	6.2	0	0
U-238	30	1.00 - 2.92	1.20	30	120	0	0
PAH	3	results < detection limit	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU225

Figure: 4-6

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO:	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 01/14/02	

Table 4 - 6 Summary of CU225

CU 225 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4 - 6

DATE RELEASED FOR UNRESTRICTED USE: 06/ 09/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northeast portion of Raffinate Pit 1.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 4,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *03/04/00; 03/24/00; 05/19/00; 05/22/00; 06/02/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 32

TOTAL # OF UTILITY SAMPLES : 5

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-5, RPX-14, and RPX-15. (2) Upon removal of the interceptor trench, running north of pit 1, 5 utility confirmation samples (SC-22501-U thru SC-22504-U and SC-22506-U) were added to represent the excavation. Note that SC-22505-U was skipped in the numbering and does not exist. (3) All final results are below Criteria.*

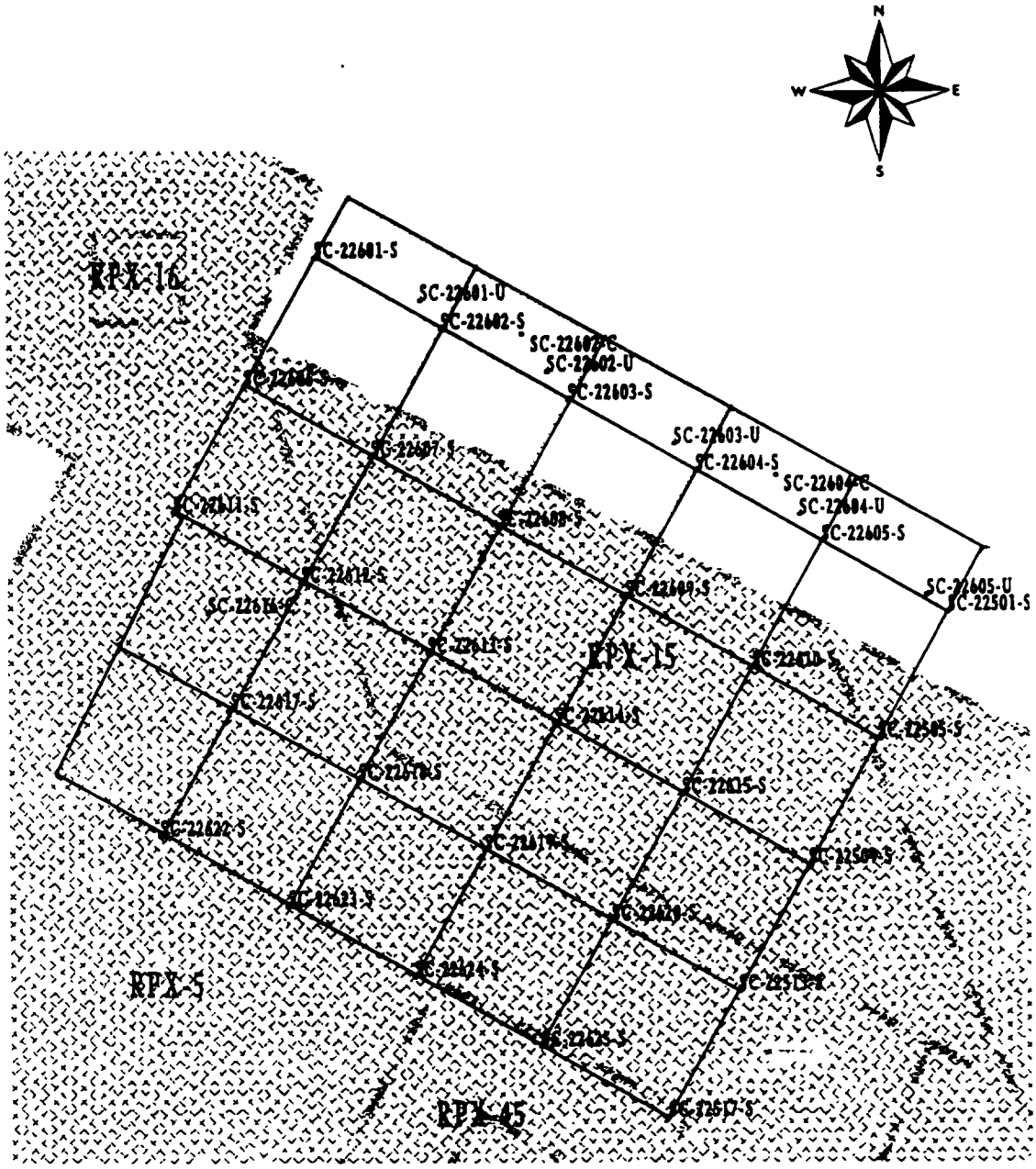
ORISE ACTION - *Two samples were collected by ORISE, one at approximately 5 meters northeast of SC-22509-S and one approximately 5 meters northeast of SC-22518-S. All results are below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	32	0.24 - 1.05	0.64	5	6.2	0	0
Ra-228	32	0.39 - 1.30	0.94	5	6.2	0	0
Total Radium	32	0.67 - 2.08	1.58	5	6.2	0	0
Th-230	32	0.64 - 5.03	1.73	5	6.2	1	0
Th-232	32	0.40 - 1.33	0.96	5	6.2	0	0
U-238	32	0.98 - 2.73	1.26	30	120	0	0
PAH	4	results < detection limit	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU226

Figure: 4-7

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	01/14/02

Table 4 - 7 Summary of CU226

CU	226	RU	21
COC	Ra-226	X	As
	Ra-228	X	Cr
	Th-230	X	Pb
	Th-232	X	Tl
	U-238	X	PAH X
			PCB
Reference Figure:	4 - 7		TNT

DATE RELEASED FOR UNRESTRICTED USE: 06/ 16/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northwestern portion of Raffinate Pit 1.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 11,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *03/04/00; 03/24/00; 03/30/00; 05/22/00; 06/02/00; 06/07/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 36

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 5

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-5 and RPX15. (2) Upon removal of the interceptor trench, 5 utility confirmation samples (SC-22601-U thru SC-22605-U) were added to represent the excavation. 3) All final results are below Criteria.*

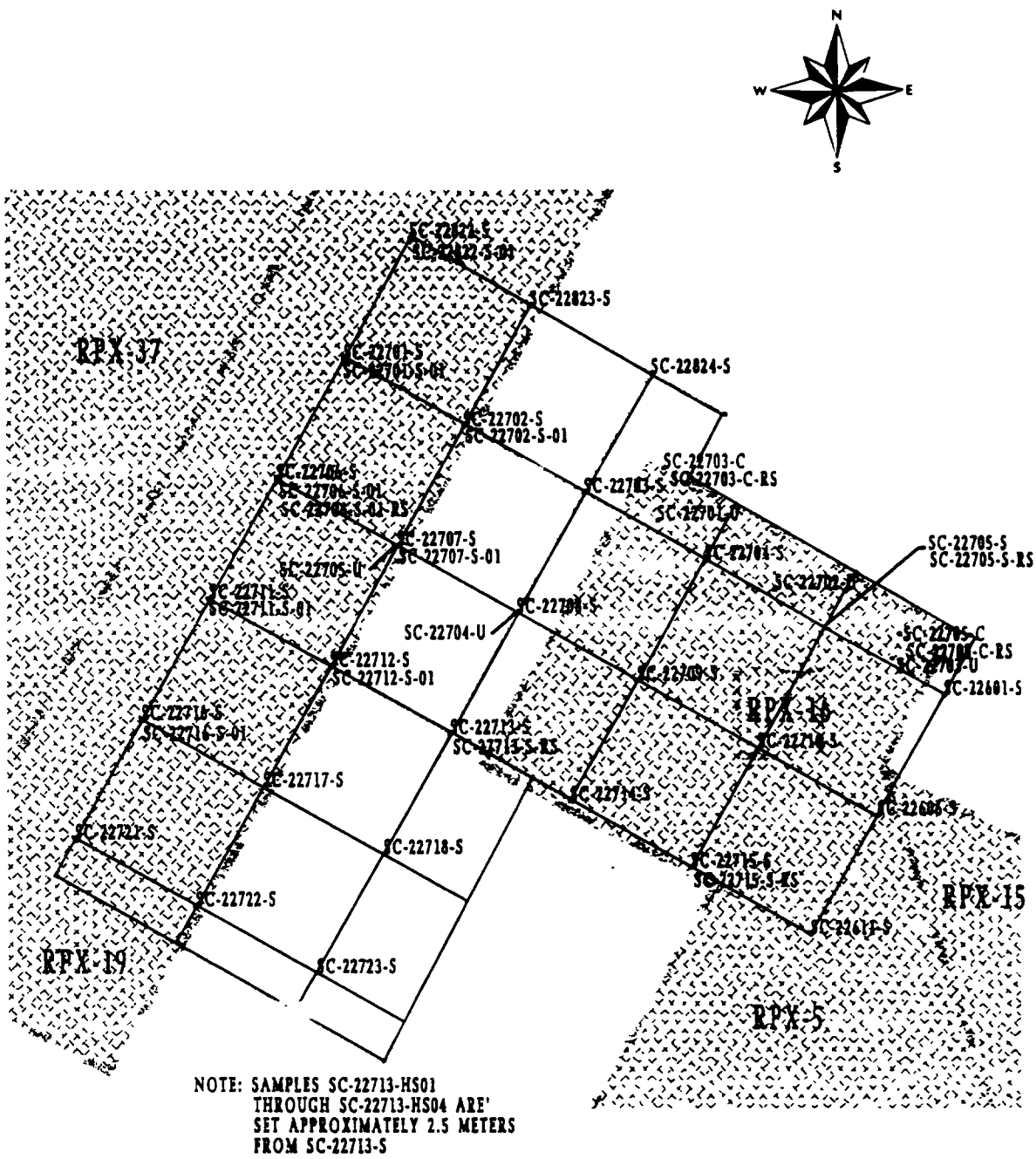
ORISE ACTION - *Two samples were collected by ORISE, one approximately 5 meters northeast of SC-22608-S and one approximately 5 meters northeast of SC-22617-S. All results were below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	36	0.44 - 1.12	0.72	5	6.2	0	0
Ra-228	36	0.38 - 1.37	1.02	5	6.2	0	0
Total Radium	36	0.87 - 2.49	1.73	5	6.2	0	0
Th-230	36	0.83 - 5.90	1.60	5	6.2	1	0
Th-232	36	0.39 - 1.40	1.05	5	6.2	0	0
U-238	36	0.98 - 2.28	1.16	30	120	0	0
PAH	1	result < detection limit	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



NOTE: SAMPLES SC-22713-HS01 THROUGH SC-22713-HS04 ARE' SET APPROXIMATELY 2.5 METERS FROM SC-22713-S

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021 Confirmation Unit CU227

Figure: 4-8

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE 01/14/02	

Table 4 - 8 Summary of CU227

CU 227 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4 - 8

DATE RELEASED FOR UNRESTRICTED USE: 06/ 16/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southeastern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 4,000 - 20,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *03/18/99; 03/31/99; 05/24/99; 07/14/99; 03/04/00; 03/21/00; 03/30/00; 06/02/00; 06/07/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 42

TOTAL # OF UTILITY SAMPLES : 5

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-5, RPX-16 and RPX-19. (2) Two Th-230 hotspots were identified at SC-22713-S and SC-22715-S. The first hotspot was sampled around to determine size and failed the hotspot rule. The area was excavated and resampled. The second hotspot was excavated and resampled. (3) Three locations were prematurely pinned and sampled (SC-22703-C, SC-22705-C, and SC-22705-S) before reaching the design excavation elevation. The locations were resampled once the design elevation was reached. (4) Upon removal of contaminated pipelines, 5 utility sample locations (SC-22701-U thru SC-22705-U) were added to represent the trench. (5) All final results are below ALARA.*

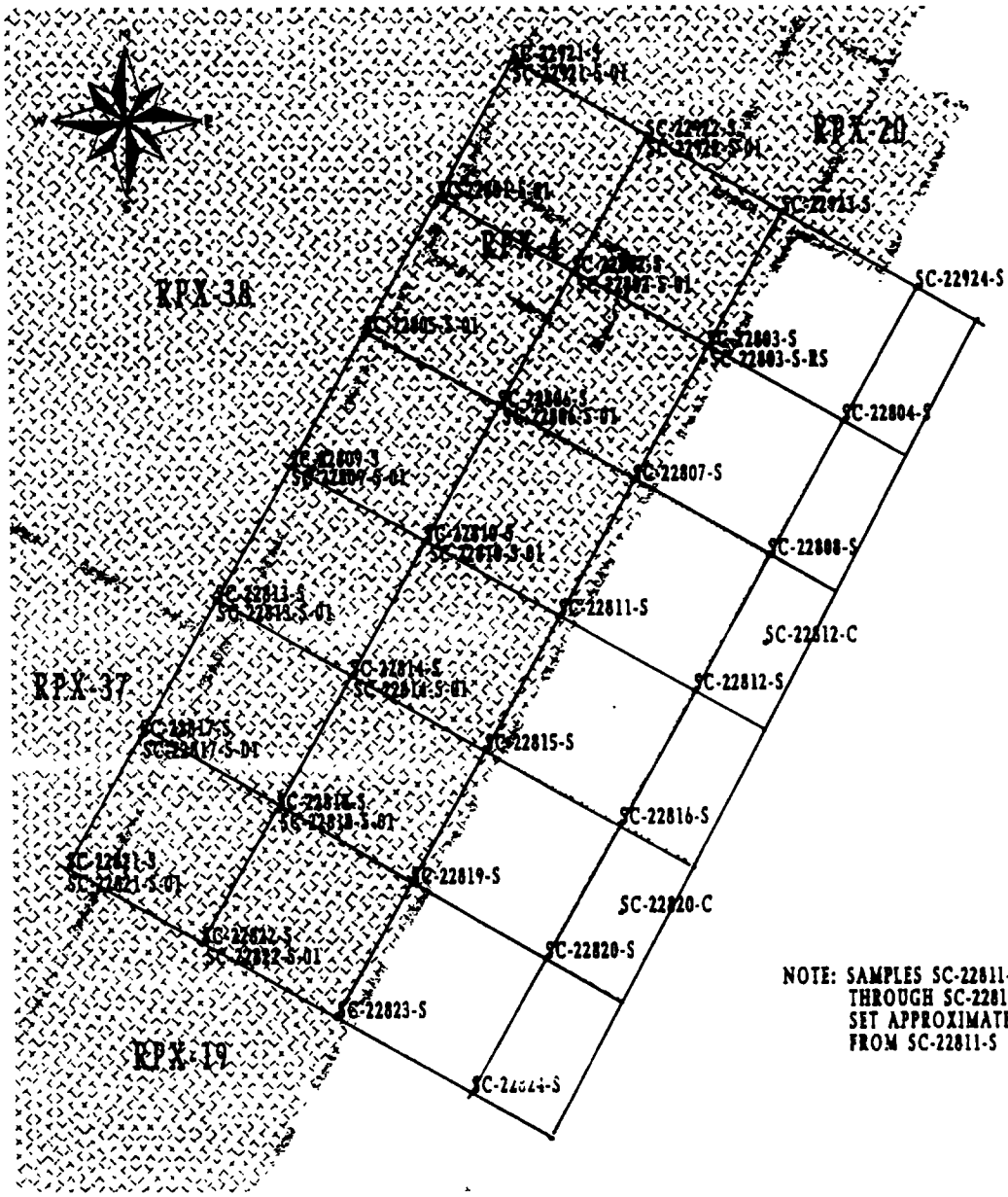
ORISE ACTION - *Two unbiased samples were collected by ORISE, one approximately 5 meters northeast of SC-22707-S and one approximately 5 meters northeast of SC-22716-S. The results for the first sample were below ALARA. The Th-230 results for the second sample exceeded criteria, although the 100m2 average remained below criteria. Results from samples collected by ORISE are not included in the summary statistics. Details can be found in the ORISE Verification Survey Report for WP 437.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	42	0.66 - 1.68	1.07	5	6.2	0	0
Ra-228	42	0.38 - 1.39	0.90	5	6.2	0	0
Total Radium	42	1.16 - 2.75	1.97	5	6.2	0	0
Th-230	42	0.64 - 4.27	1.70	5	6.2	0	0
Th-232	42	0.39 - 1.42	0.92	5	6.2	0	0
U-238	42	0.99 - 3.51	1.36	30	120	0	0
PAH	9	0.0 - 0.12	0.03	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU228

Figure: 4-9

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	01/14/02

Table 4 - 9 Summary of CU228

CU 228 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4 - 9

DATE RELEASED FOR UNRESTRICTED USE: 07/ 21/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southeastern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 6,000 - 20,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *03/18/99; 03/31/99; 04/13/99; 05/06/99; 07/14/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [X] YES [ ] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-4, RPX-19, RPX-20, RPX-37 and RPX-38. (2) One radium hotspot was identified at SC-22811-S. This hotspot met the hotspot rule (size < 25 sq m) and therefore did not require additional excavation. The hotspot calculation is presented in Appendix E. (3) One Th-230 hotspot was identified at SC-22803-S. This hotspot was excavated and resampled. (4) All final results are below criteria with the exception of the radium hotspot.*

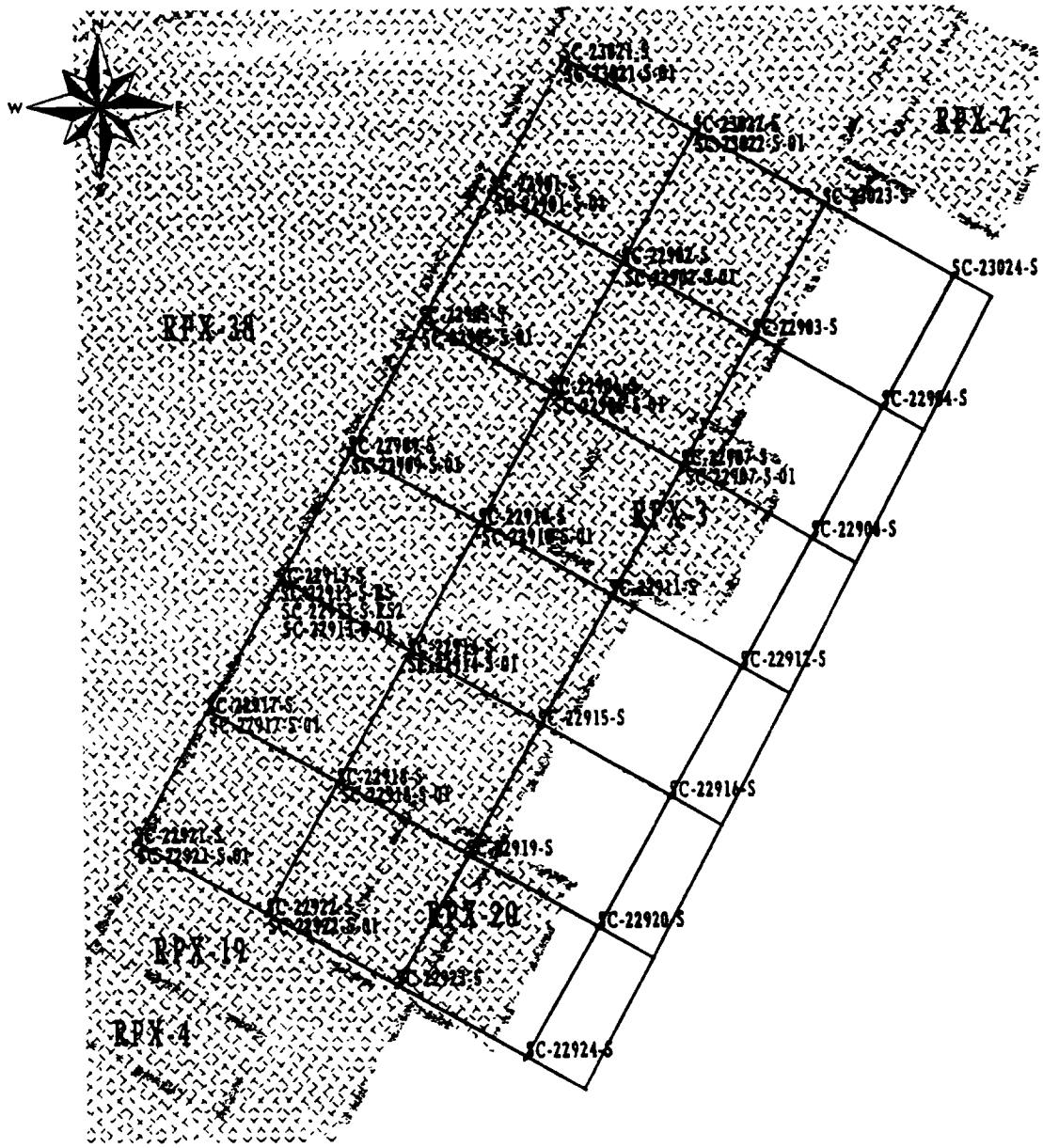
ORISE ACTION - *Three samples were collected by ORISE, one approximately 5 meters northeast of SC-22812-S, the second one approximately 5 meters northeast of SC-22814-S, and the third approximately 5 meters northeast of SC-22824-S. All results were below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	42	0.34 - 5.71	1.26	5	6.2	1	0
Ra-228	42	0.41 - 1.47	0.87	5	6.2	0	0
Total Radium	42	0.78 - 6.22	2.13	5	6.2	1	1
Th-230	42	0.45 - 3.25	1.39	5	6.2	0	0
Th-232	42	0.42 - 1.51	0.89	5	6.2	0	0
U-238	42	1.17 - 3.36	1.43	30	120	0	0
PAH	1	result < detection limit	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU229

Figure: 4-10

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	01/14/02

Table 4 - 10 Summary of CU229

CU 229 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4 -10

DATE RELEASED FOR UNRESTRICTED USE: 07/ 21/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the eastern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 6,000 - 20,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *03/18/99;03/31/99; 05/06/99; 07/14/99; 07/15/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 28

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-3, RPX-19, and RPX-20.*
(2) One Th-230 hotspot was identified at SC-22913-S. The hotspot was excavated and resampled.
(3) All final results are below ALARA.

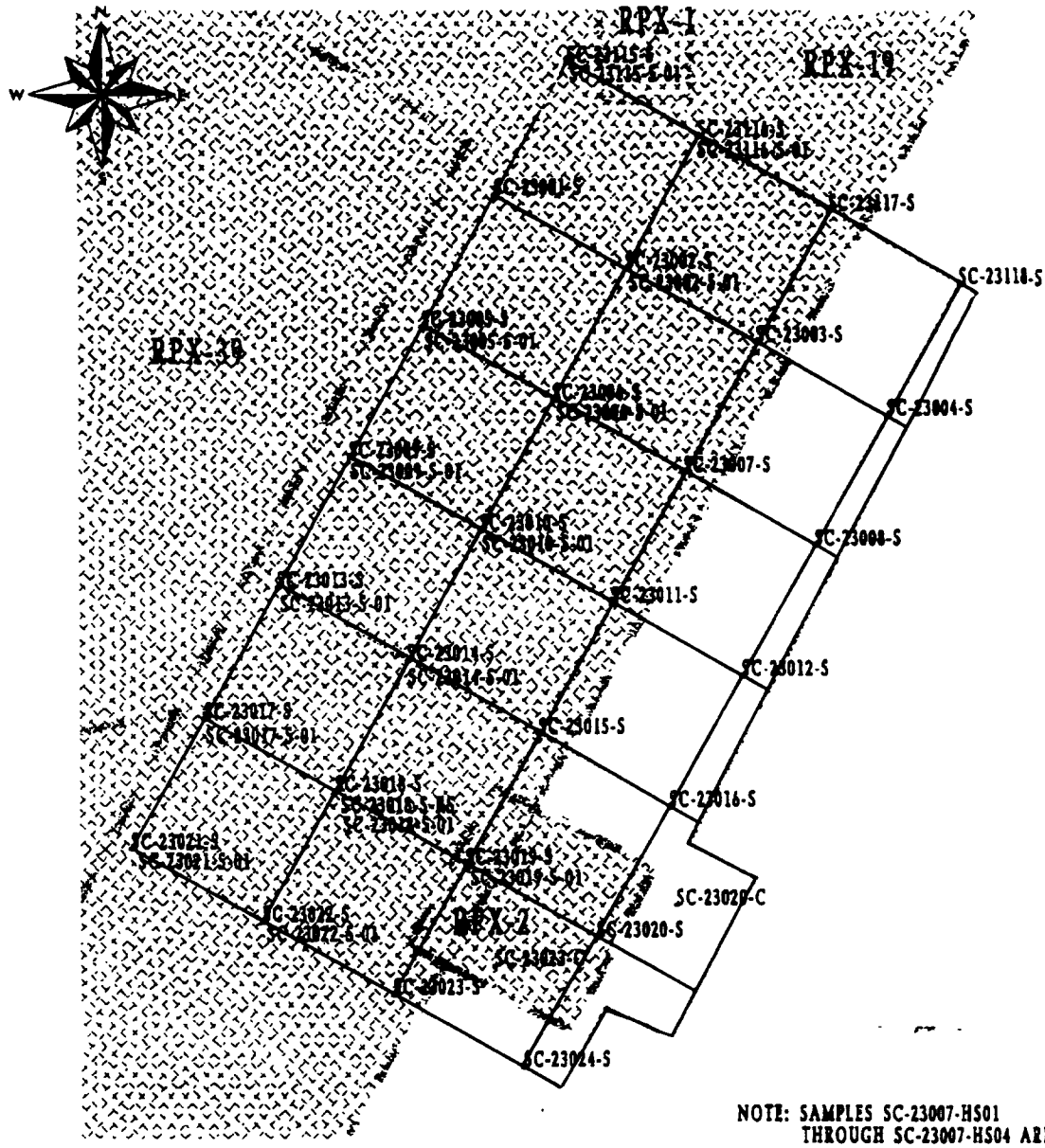
ORISE ACTION - *Three unbiased samples were collected by ORISE, one approximately 5 meters northeast of SC-22932-S, the second approximately 5 meters northeast of SC-22910-S, and the third approximately 5 meters northeast of SC-22919-S. Results for SC-22903-S and SC-22910-S were less than ALARA. The Th-230 results for the third sample exceeded criteria, although the 100m2 average remained below criteria. Results from samples collected by ORISE are not included in the summary statistics. Details can be found in the ORISE Verification Survey Report for WP 437.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	43	0.31 - 3.17	1.09	5	6.2	0	0
Ra-228	43	0.41 - 1.62	0.89	5	6.2	0	0
Total Radium	43	0.79 - 4.79	1.98	5	6.2	0	0
Th-230	43	0.81 - 5.74	1.70	5	6.2	2	0
Th-232	43	0.42 - 1.66	0.91	5	6.2	0	0
U-238	43	1.21 - 3.97	1.46	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



NOTE: SAMPLES SC-23007-HS01 THROUGH SC-23007-HS04 ARE SET APPROXIMATELY 2.5 METERS FROM SC-23007-S AND SAMPLES SC-23018-HS01 THROUGH SC-23018-HS04 ARE SET APPROXIMATELY 2.5 METERS FROM SC-23018-S

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021 Confirmation Unit CU230

Figure: 4-11

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	01/14/02

Table 4 - 11 Summary of CU230

CU 230 RU 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	
		PCB	
		TNT	

Reference Figure: 4-11

DATE RELEASED FOR UNRESTRICTED USE: 07/ 22/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the eastern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 20,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *03/18/99; 03/31/99; 05/28/99; 06/22/99; 07/16/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [X] YES [ ] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-2 and RPX-19.*
(2) Two Th-230 hotspots were identified at SC-23007-S and SC-23018-S. The first hotspot was sampled around to determine size and passed the hotspot rule, therefore no additional excavation was required. The hotspot calculation is presented in Appendix E. The second hotspot was sampled around to determine size and failed the hotspot rule. The area was excavated and resampled.
(3) All final results are below criteria with the exception of the remaining Th-230 hotspot.

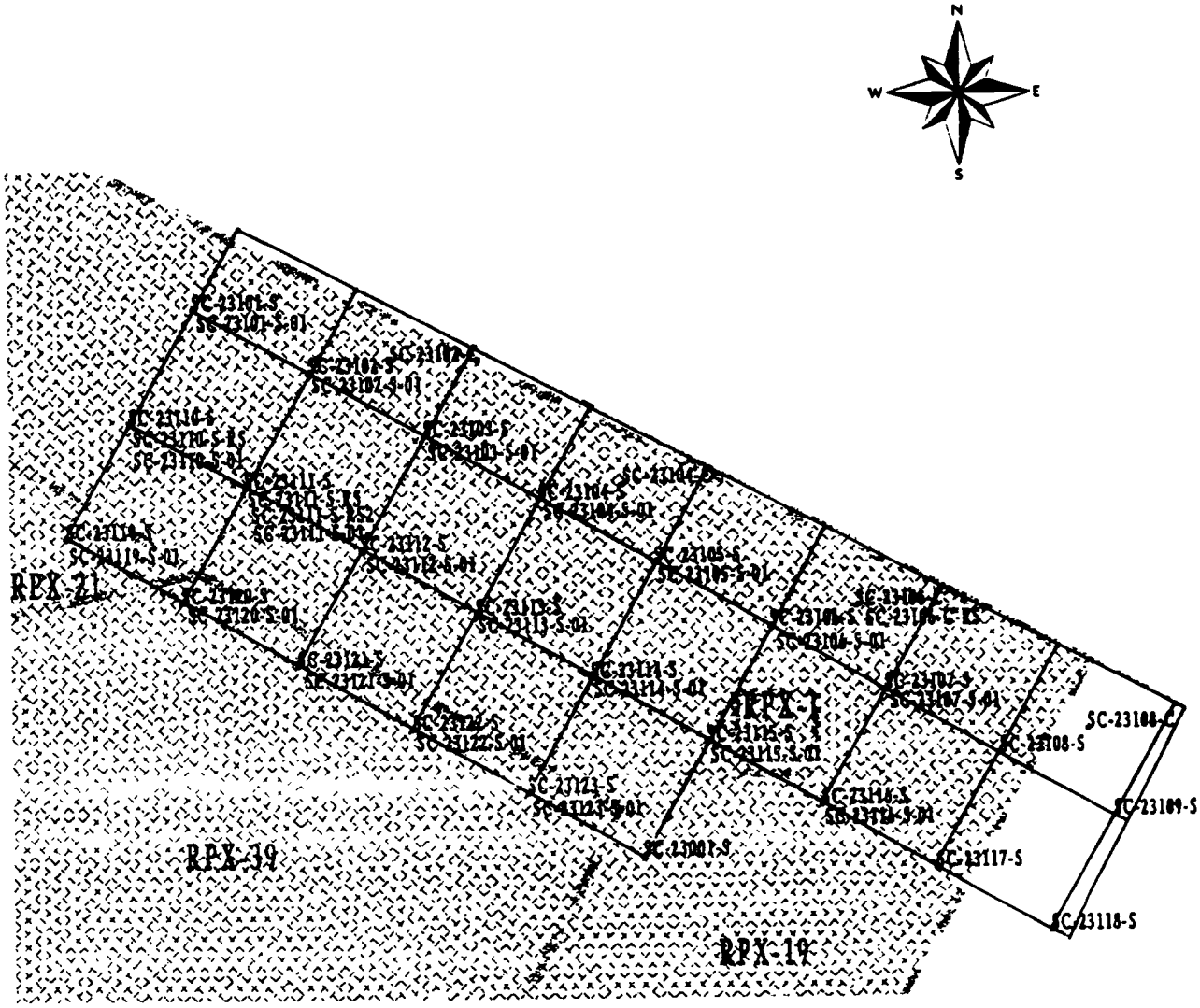
ORISE ACTION - *Two samples were collected by ORISE, one approximately 5 meters northeast of SC-23010-S and one approximately 5 meters northeast of SC-23022-S. All results were below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	44	0.67 - 1.47	1.00	5	6.2	0	0
Ra-228	44	0.36 - 1.33	0.90	5	6.2	0	0
Total Radium	44	1.13 - 2.55	1.90	5	6.2	0	0
Th-230	44	0.82 - 9.08	1.69	5	6.2	1	1
Th-232	44	0.37 - 1.36	0.92	5	6.2	0	0
U-238	44	1.18 - 4.97	1.55	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



NOTE: SAMPLES SC-23110-HS01
THROUGH SC-23110-HS04 ARE
SET APPROXIMATELY 2.5 METERS
FROM SC-23110-S
AND SAMPLES SC-23111-HS01
THROUGH SC-23111-HS04 ARE
SET APPROXIMATELY 2.5 METERS
FROM SC-23111-S

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021 Confirmation Unit CU231

Figure: 4-12

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 12 Summary of CU231

CU 231 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-12

DATE RELEASED FOR UNRESTRICTED USE: 07/ 26/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 6,000 - 20,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *03/18/99; 03/31/99; 06/04/99; 06/22/99; 07/16/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 28

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-1, RPX-19, RPX-21, and RPX-39. (2) Three Th-230 hotspots were identified at SC-23106-C, SC-23110-S, and SC-23111-S. The SC-23106-C hotspot was excavated and resampled. The SC-23110-S and SC-23111-S were sampled around to determine size, but failed the hotspot rule and both were excavated and resampled. SC-23111-S required an additional excavation to remediate the hotspot. (3) All final results are below ALARA.*

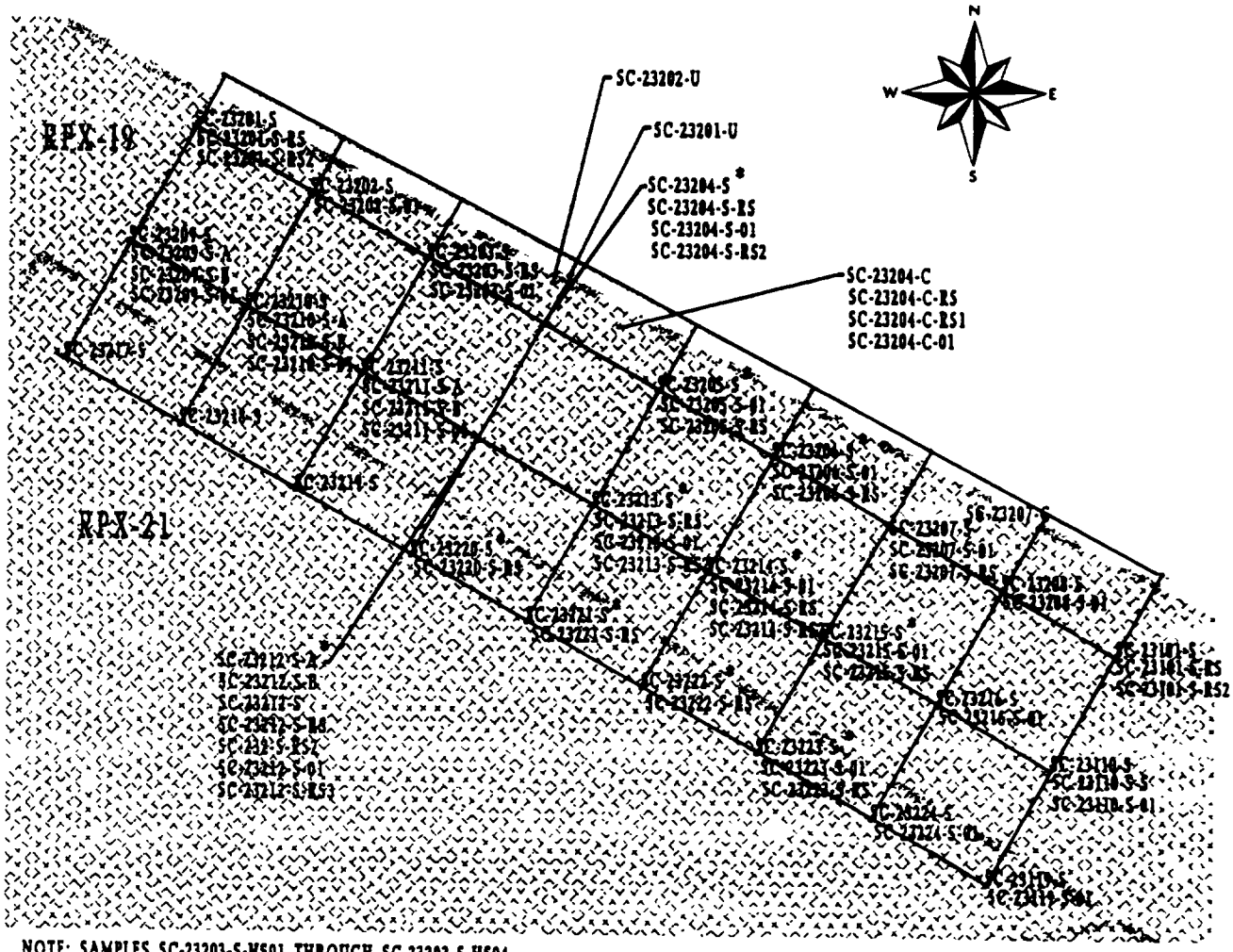
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	47	0.30 - 1.47	0.96	5	6.2	0	0
Ra-228	47	0.42 - 1.34	0.93	5	6.2	0	0
Total Radium	47	0.75 - 2.65	1.89	5	6.2	0	0
Th-230	47	0.76 - 4.34	1.56	5	6.2	0	0
Th-232	47	0.43 - 1.37	0.95	5	6.2	0	0
U-238	47	1.20 - 7.43	1.52	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



NOTE: SAMPLES SC-23203-S-HS01 THROUGH SC-23203-S-HS04,
SC-23204-C-HS01 THROUGH SC-23204-C-HS04,
SC-23204-S-HS01 THROUGH SC-23204-S-HS04,
SC-23212-S-HS01 THROUGH SC-23212-S-HS04,
SC-23213-S-HS01 THROUGH SC-23213-S-HS04, AND
SC-23110-S-HS01 THROUGH SC-23110-S-HS04
ARE SET APPROXIMATELY 2.5 METERS FROM
THEIR ASSOCIATED PARENT SAMPLES.

* DESIGNATES TNT SAMPLES

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU232

Figure: 4-13

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE 02/18/02	

Table 4 - 13 Summary of CU232

CU 232 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	X

Reference Figure: 4-13

DATE RELEASED FOR UNRESTRICTED USE: 07/ 20/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 20,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *03/01/99; 03/18/99; 05/24/99; 06/04/99; 06/10/99; 07/16/99; 07/22/99; 07/23/99; 07/23/99; 07/25/99; 07/30/99; 04/29/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 29

TOTAL # OF UTILITY SAMPLES : 2

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-19 and RPX-21. (2) The northwest corner of pit 3 required several sampling events in order to sequence work within the pit. In addition to routine confirmation samples, lifts of soil were removed and stockpiled, with the exposed surfaces being sampled (identified by the suffix -A or -B) to determine disposition. (3) Two utility sample locations, SC-23201-U and SC-23202-U, were added to represent excavations where contaminated material was identified visually during excavation and removed. (4) SC-23201-S was resampled due to possible recontamination by nearby remediation activities. (5) FiveTh-230 hotspots were identified at SC-23203-S, SC-23204-C, SC-23212-S, SC-23213-S, and SC-23110-S. All failed the hotspot rule and were excavated and resampled. (6) After confirmation, a TNT stockpile was created within the boundaries of CU232 from soils excavated from Ash Pond. After the stockpile was removed, twelve locations that fell within the footprint of this stockpile were resampled for TNT only. One of the locations, SC-23214-S, was identified as a TNT hotspot and required additional excavation and resampling. (7) All final results are below criteria.*

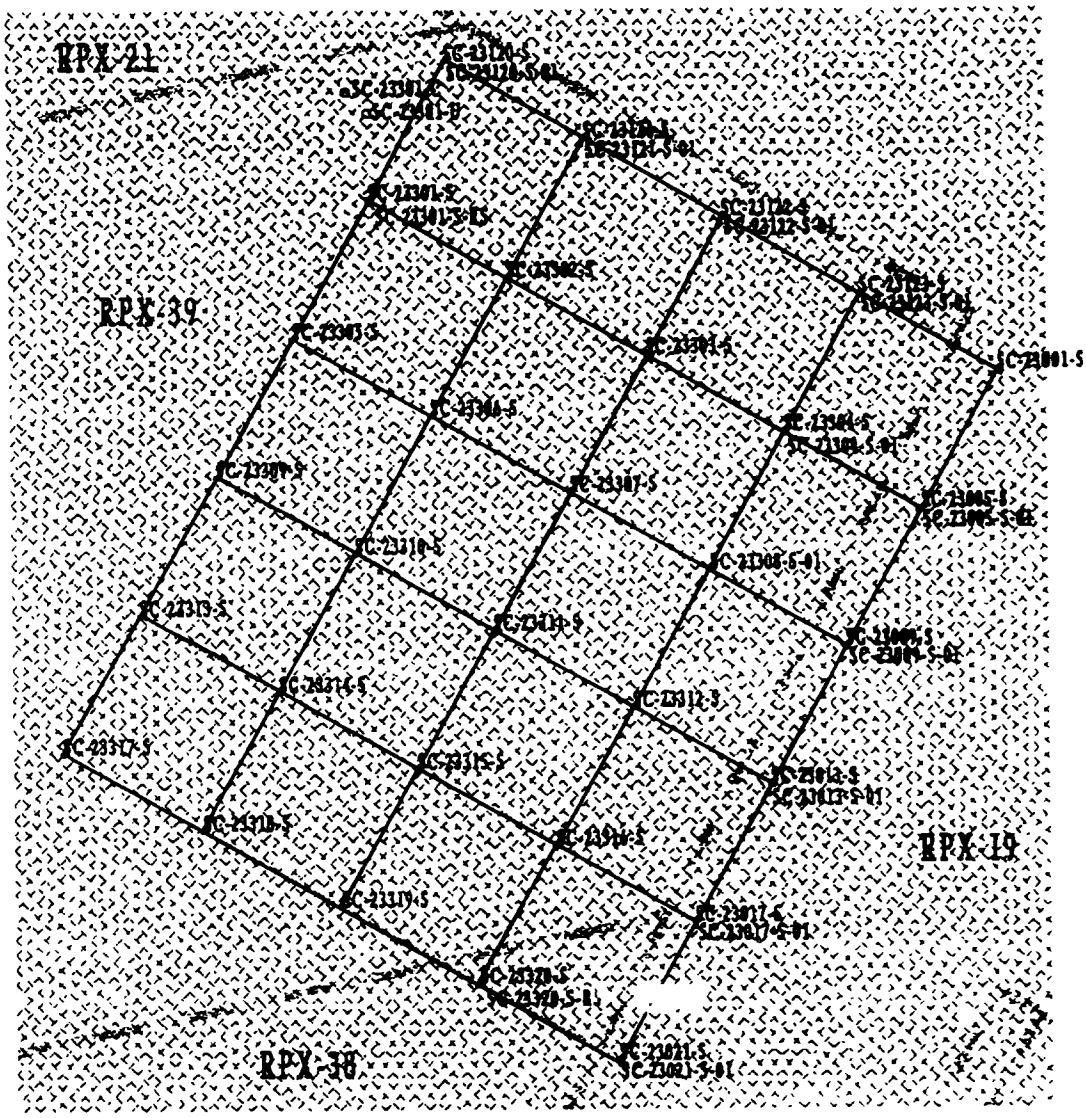
ALARA COMMITTEE ACTION - *None*

ORISE ACTION - *None*

CU SUMMARY DATA

Ra-226	52	0.31 - 1.79	0.92	5	6.2	0	0
Ra-228	52	0.42 - 1.36	0.82	5	6.2	0	0
Total Radium	52	0.76 -2.77	1.74	5	6.2	0	0
Th-230	52	0.84 - 5.51	2.02	5	6.2	2	0
Th-232	52	0.43 - 1.39	0.84	5	6.2	0	0
U-238	52	1.24 - 19.4	2.71	30	120	0	0
TNT	12	0.12 - 3.40	0.84	14	140	0	0

NOTE. Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU233

Figure: 4-14

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE 02/04/02	

Table 4 - 14 Summary of CU233

CU	233	RU	21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	X

Reference Figure: 4-14

DATE RELEASED FOR UNRESTRICTED USE: 11/ 30/99

CLEANUP STANDARD [ ] SURFACE [X] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 6,000 - 11,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/04/99; 07/16/99; 07/22/99; 11/12/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 32

TOTAL # OF UTILITY SAMPLES : 1

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-49, RPX-38, and RPX-39. (2) One Ra/Th-230 hotspot was identified at SC-23320-S. The hotspot was excavated and resampled. (3) During excavation of a sump near the northeast corner of raffinate pit 3, a twelve inch transite pipe was uncovered. The pipe and surrounding soil were scanned and showed no signs of radiological contamination, but purple stained soil around the pipe proved to be contaminated with nitroaromatics. The pipe and associated contaminated soil were removed and 3 locations (one planned grid point at SC-23301-S and two new locations at SC-23301-C and SC-23301-U) were sampled for nitroaromatics. (4) All final results are below subsurface criteria.*

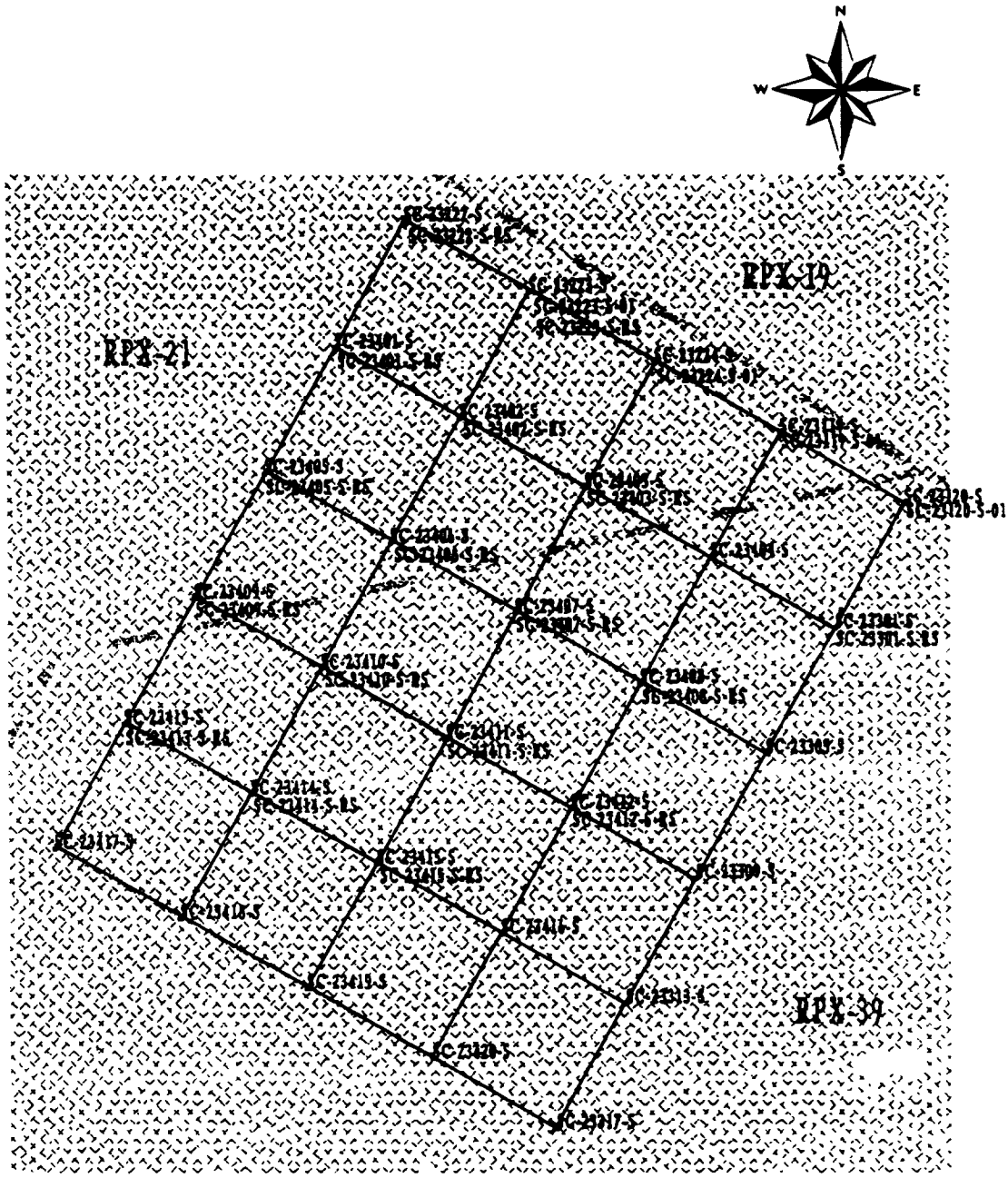
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	40	0.32 - 3.23	0.95	5	16.2	0	0
Ra-228	40	0.42 - 1.35	0.93	5	16.2	0	0
Total Radium	40	1.21 - 4.43	1.88	5	16.2	0	0
Th-230	40	0.84 - 10.3	1.90	5	16.2	2	0
Th-232	40	0.43 - 1.38	0.95	5	16.2	0	0
U-238	40	0.97 - 7.43	1.61	30	120	0	0
TNT	3	0.34 - 3.50	1.61	140	1400	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU234

Figure: 4-15

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	02/04/02

Table 4 - 15 Summary of CU234

CU 234 **RU** 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	
		PCB	
		TNT	X

Reference Figure: 4-15

DATE RELEASED FOR UNRESTRICTED USE: 07/ 20/00

CLEANUP STANDARD [ ] SURFACE [X] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 11,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *07/22/99; 07/23/99; 07/05/00; 07/09/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-19, RPX-21 and RPX-39. (2) During clean excavation after the CU had been released, TNT contamination was discovered. The contaminated soil was excavated and five of the confirmation grid points that fell within the excavated area were resampled for TNT. (3) Nitroaromatic soil was stockpiled and treated within the boundaries of this CU. Since the material was identified as a RCRA waste, those confirmation grid locations within the footprint of this treatment area were resampled for TNT and DNT. The 2,4-DNT results were less than the detection limit. The TNT results are included in the summary statistics. (4) All final results are below criteria.*

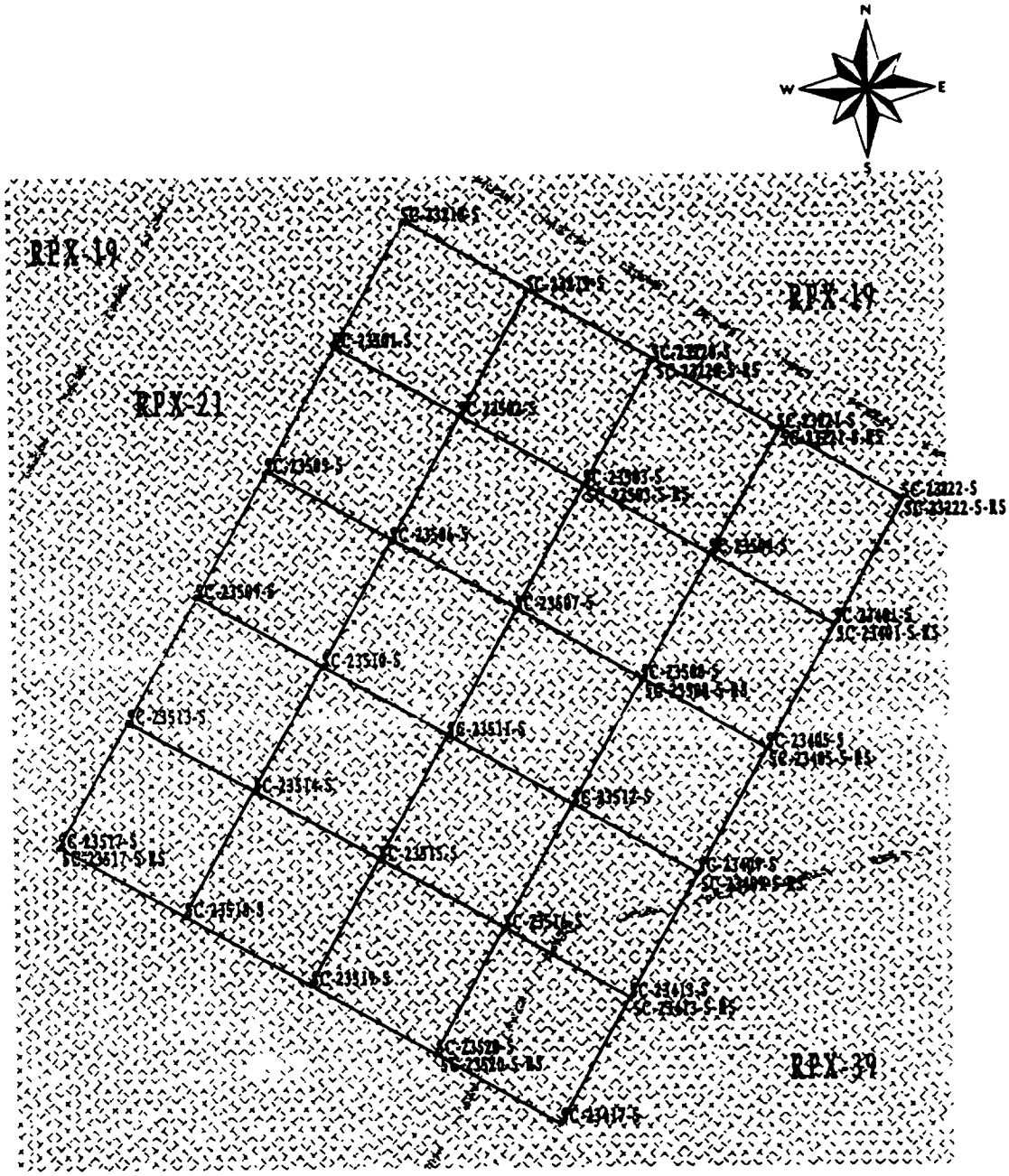
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	34	0.61 - 3.23	0.93	5	16.2	0	0
Ra-228	34	0.38 - 1.44	0.89	5	16.2	0	0
Total Radium	34	1.10 - 4.43	1.83	5	16.2	0	0
Th-230	34	0.83 - 9.09	2.47	5	16.2	4	0
Th-232	34	0.39 - 1.48	0.91	5	16.2	0	0
U-238	34	0.97 - 7.43	1.48	30	120	0	0
TNT	13	0.06 - 1.30	0.27	140	1400	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU235

Figure: 4-16

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO ·	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 16 Summary of CU235

CU 235 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	X

Reference Figure: 4-16

DATE RELEASED FOR UNRESTRICTED USE: 06/ 22/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 9,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *07/22/99; 07/25/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-21 and RPX-39. (2) Four Th-230 hotspots were identified at SC-23413-S, SC-23503-S, SC-23517-S, and SC-23520-S. All hotspots were excavated and resampled. (3) During clean excavation after the CU had been released, TNT contamination was discovered. The contaminated soil was excavated and those confirmation grid points that fell within the excavated area were resampled for TNT. (4) Nitroaromatic soil was stockpiled and treated within the boundaries of this CU. Since the material was identified as a RCRA waste, those grid locations within the footprint of this treatment area were resampled for TNT and DNT. The 2,4-DNT results were less than the detection limit and the TNT results are included in the summary statistics. (5) All final results are below criteria.*

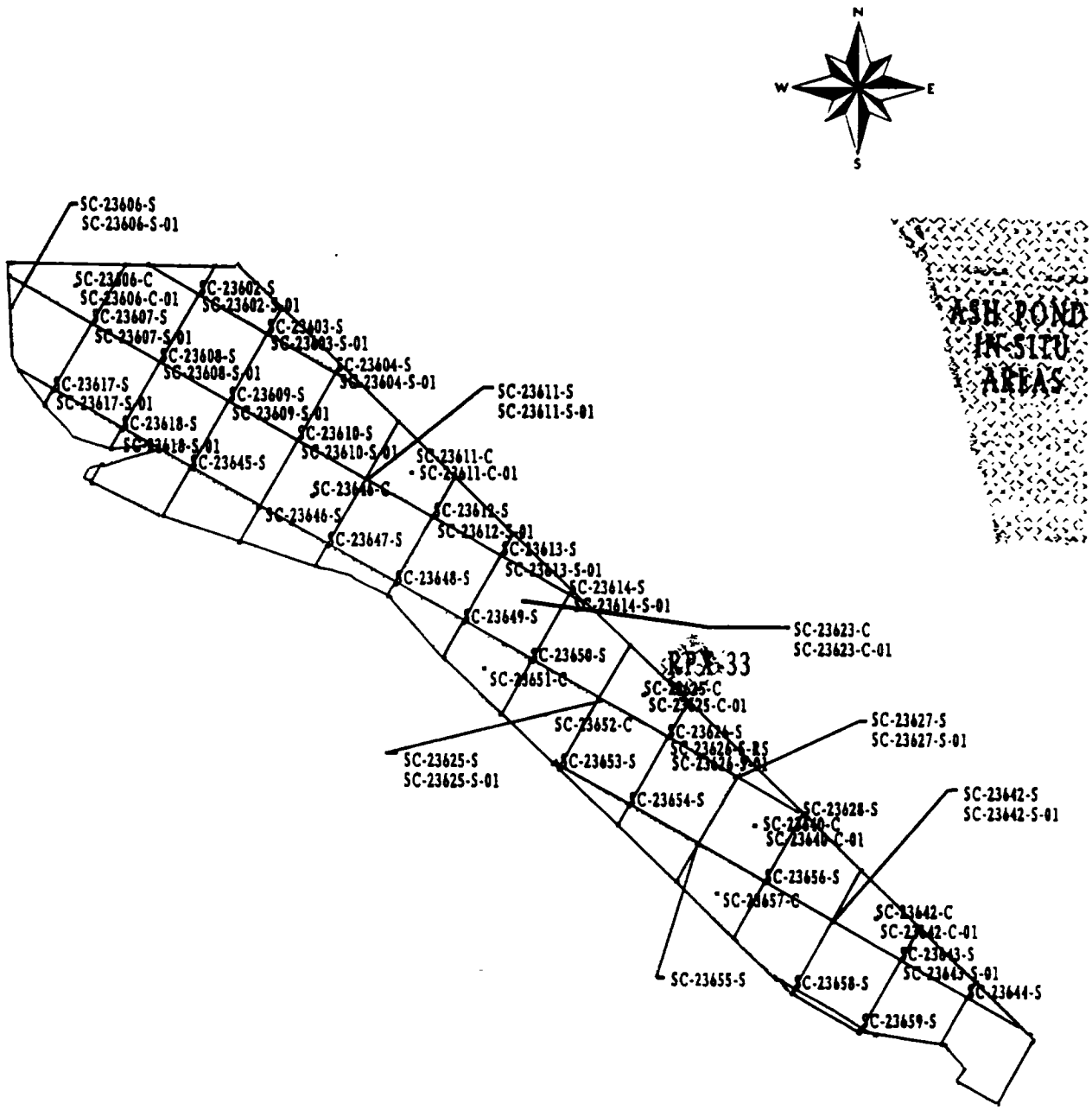
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	30	0.29 - 2.61	0.83	5	6.2	0	0
Ra-228	30	0.44 - 1.51	0.90	5	6.2	0	0
Total Radium	30	0.77 - 3.83	1.74	5	6.2	0	0
Th-230	30	0.83 - 5.04	1.65	5	6.2	1	0
Th-232	30	0.45 - 1.55	0.92	5	6.2	0	0
U-238	30	1.16 - 3.12	1.37	30	120	0	0
TNT	3	0.06 - 1.30	0.41	14	140	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU236

Figure: 4-17

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO:	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 17 Summary of CU236

CU 236 RU 21

COC				
	Ra-226	X	As	X
	Ra-228	X	Cr	X
	Th-230	X	Pb	X
	Th-232	X	Tl	X
	U-238	X	PAH	X
			PCB	X
			TNT	X

Reference Figure: 4-17

DATE RELEASED FOR UNRESTRICTED USE: 09/ 02/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 6,000 - 23,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *02/14/99; 02/17/99; 02/19/99; 03/29/99; 07/23/99; 08/23/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 44

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) The boundary for this CU was expanded to include an adjacent area where contaminated soils had to be removed to the 1954 elevations. Samples collected upon removal to the 1954 elevations are identified by the suffix '-01.' (2) One Ra/Th-230 hotspot was identified at SC-23626-S. The hotspot was excavated and resampled. (3) All final results are below criteria.*

ORISE ACTION - *None*

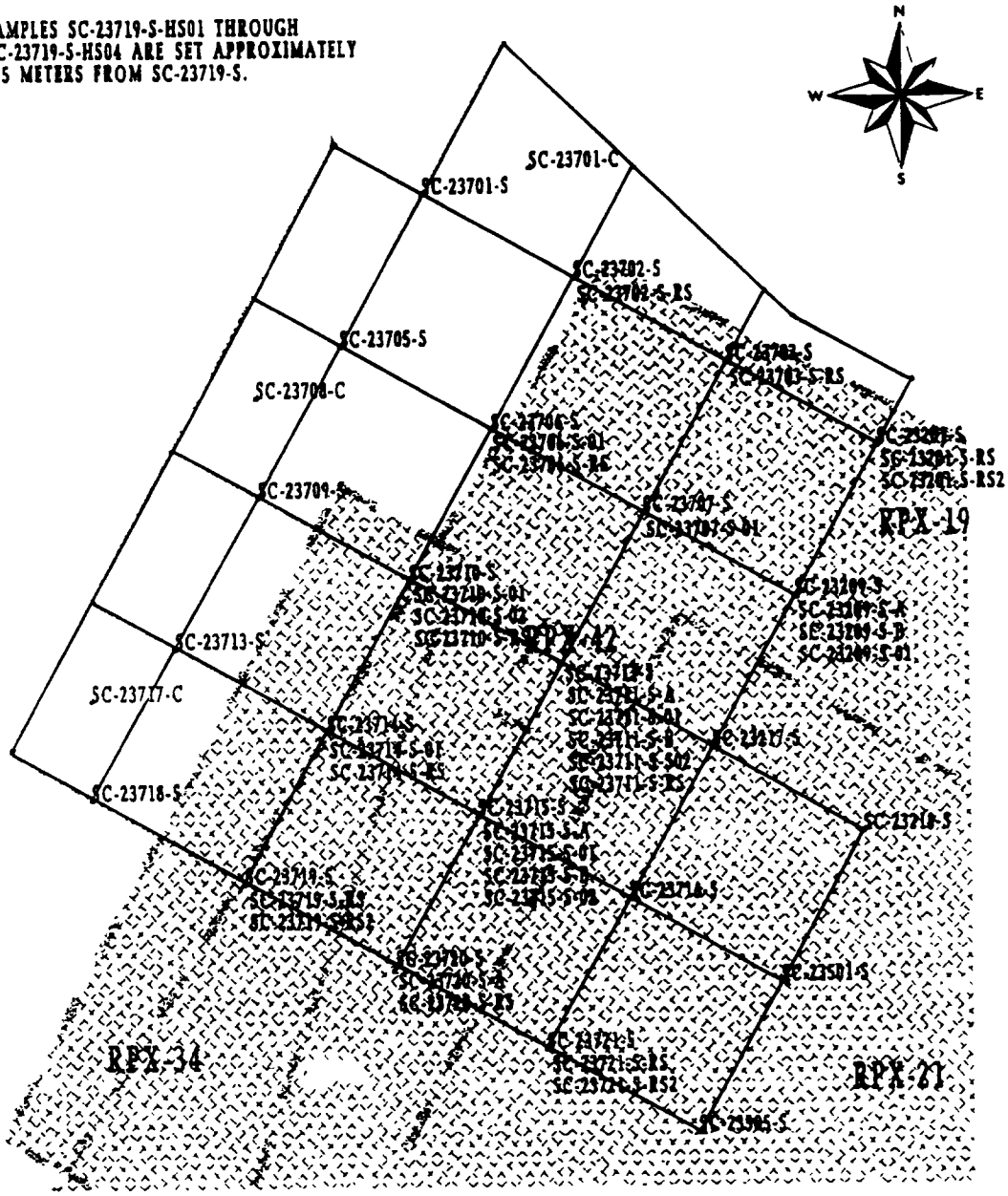
ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

As	27	4.4 - 14.3	8.24	45	75	0	0
Cr	27	7.5 - 26.4	16.35	90	110	0	0
Pb	27	8.4 - 28.4	15.54	240	450	0	0
Tl	6	1.7 - 6.6	3.48	16	20	0	0
Ra-226	69	0.30 - 2.54	1.08	5	6.2	0	0
Ra-228	69	0.33 - 1.95	0.9	5	6.2	0	0
Total Radium	69	0.69 - 4.15	1.97	5	6.2	0	0
Th-230	69	0.33 - 2.71	1.38	5	6.2	0	0
Th-232	69	0.34 - 2.00	0.92	5	6.2	0	0
U-238	69	0.93 - 19.10	2.94	30	120	0	0
PAH	27	0.0 - 1.5	0.13	0.44	5.6	3	0
PCB	27	0.0 - 2.3	0.10	0.65	8	1	0
TNT	27	results < detection limit	N/A	14	140	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.

NOTE: SAMPLES SC-23719-S-HS01 THROUGH SC-23719-S-HS04 ARE SET APPROXIMATELY 2.5 METERS FROM SC-23719-S.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU237

Figure: 4-18

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 18 Summary of CU237

CU 237 RU 21

COC

Ra-226	X	As	X
Ra-228	X	Cr	X
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	
		PCB	
		TNT	

Reference Figure: 4-18

DATE RELEASED FOR UNRESTRICTED USE: 09/ 02/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northern portion of Raffinate Pits 3 and 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 18,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *01/28/99; 03/01/99; 05/08/99; 06/10/99; 07/27/99; 08/12/99; 08/23/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 26

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-19, RPX-21, RPX-34, and RPX-42. (2) Two Th-230 hotspots were identified at SC-23719-S and SC-23721-S. The first hotspot was sampled around to determine size and failed the hotspot rule, therefore it was excavated and resampled. The other hotspot required two excavation attempts before results were below criteria. (3) The northwest corner of pit 3 required several sampling events in order to sequence work within the pit. In addition to routine confirmation samples, lifts of soil were removed and stockpiled, with the exposed surfaces being sampled (identified by the suffix -A or -B) to determine disposition. Resamples were also collected on the ramp floor upon exiting the pit to ensure contaminated material had not been tracked out of the pit.*
(4) All final results are below criteria.

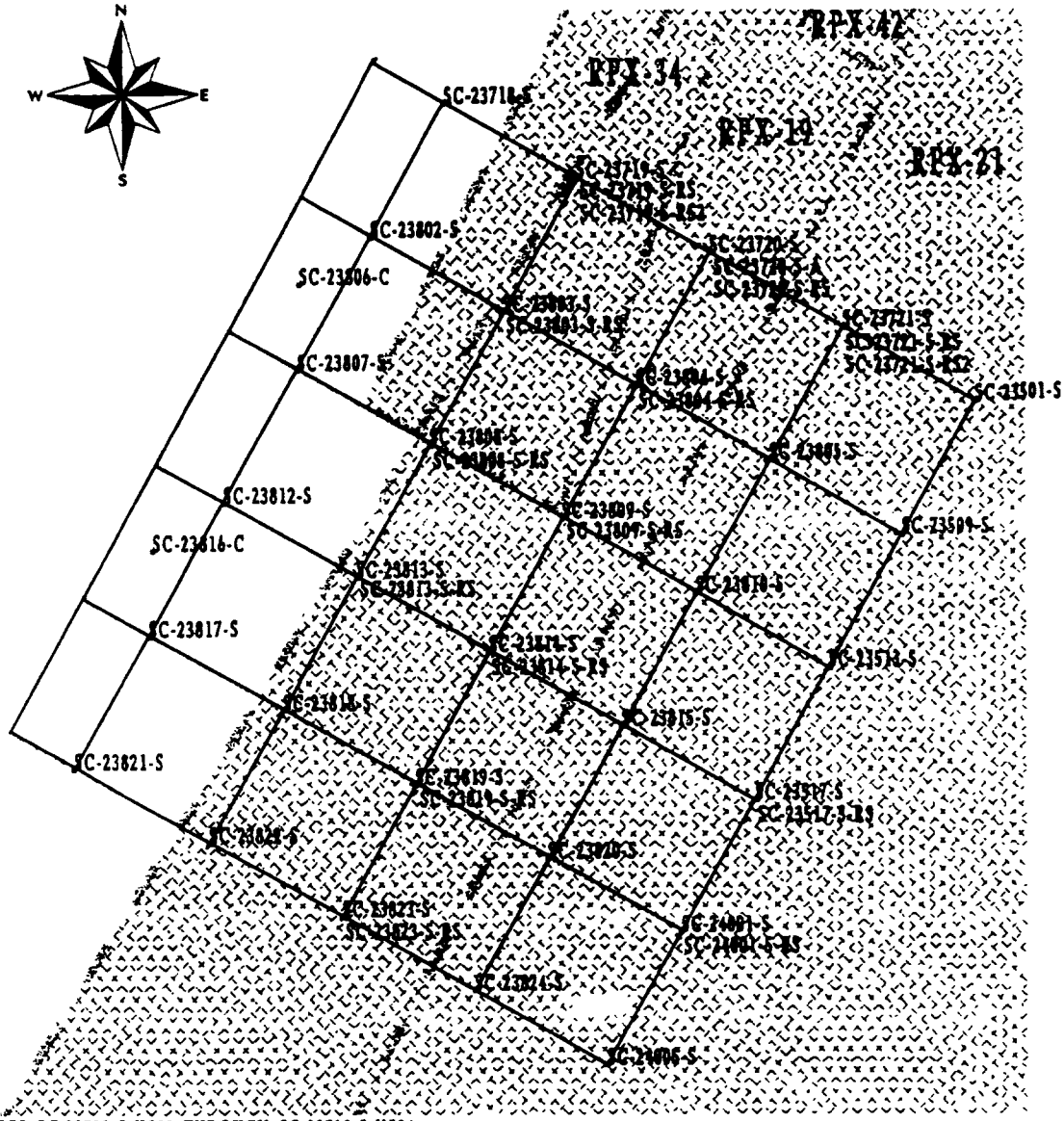
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

As	3	6.1 - 7.6	7.10	45	75	0	0
Cr	3	16.8 - 26.1	19.90	90	110	0	0
Ra-226	29	0.28 - 3.69	0.90	5	6.2	0	0
Ra-228	29	0.42 - 1.72	0.98	5	6.2	0	0
Total Radium	29	0.77 - 5.22	1.88	5	6.2	1	0
Th-230	29	0.75 - 5.51	1.61	5	6.2	1	0
Th-232	29	0.43 - 1.76	1.00	5	6.2	0	0
U-238	29	1.14 - 12.9	1.83	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



NOTE: SAMPLES SC-23719-S-HS01 THROUGH SC-23719-S-HS04, SC-23808-S-HS01 THROUGH SC-23808-S-HS04, SC-23813-S-HS01 THROUGH SC-23813-S-HS04, AND SC-23816-C-HS01 THROUGH SC-23816-C-HS04 ARE SET APPROXIMATELY 2.5 METERS FROM THEIR ASSOCIATED PARENT SAMPLES.

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021 Confirmation Unit CU238

Figure: 4-19

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE 02/04/02	

Table 4 - 19 Summary of CU238

CU	238	RU	21

COC				
	Ra-226	X	As	X
	Ra-228	X	Cr	X
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-19

DATE RELEASED FOR UNRESTRICTED USE: 09/ 03/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northern portion of Raffinate Pit 3 and the common berm.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *01/28/99; 05/08/99; 08/23/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 32

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [X] YES [ ] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

(1) Planned confirmation grid points represent RPX-19, RPX-21, and RPX-34. (2) Seven Th-230 hotspots were identified: SC-23517-S; SC-23719-S, SC-23721-S; SC-23808-S; SC-23813-S; SC-23816-C and SC-24001-S. Additional samples were collected around four of these to determine if they met the hotspot rule. Only one location, SC-23816-C, passed and did not require additional excavation. The remaining 6 were excavated and resampled. Due to scattered contamination encountered within the berm, most of the berm in this area was removed as contaminated until reaching the in-situ design depths. Therefore, many of the locations were resampled and given the '-RS' suffix and not the '-01' suffix used often in the other CUs to represent the 1954 topo surface.

(3) All final results are below criteria, with the exception of the above mentioned Th-230 hotspot.

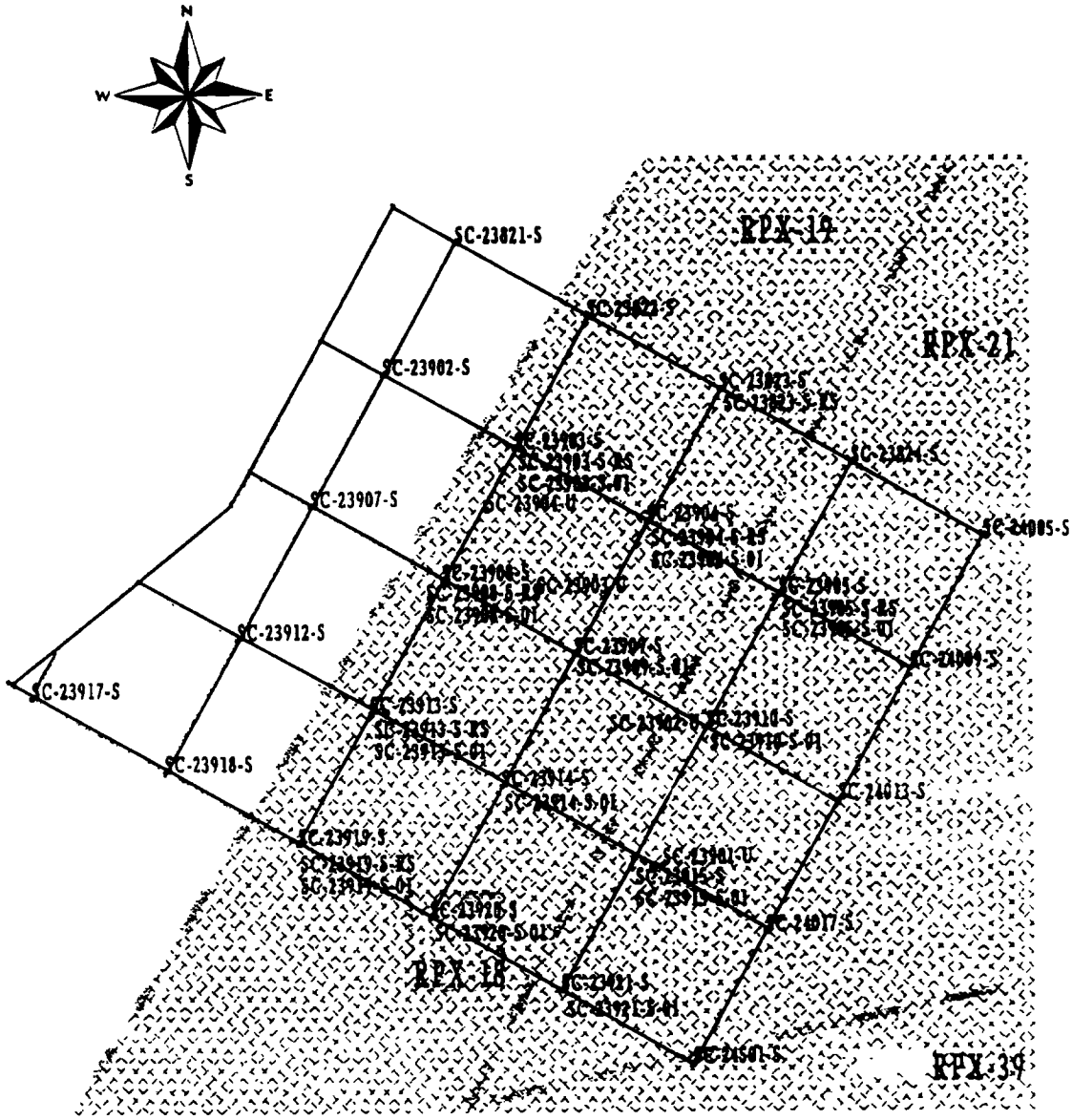
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

As	3	6.2 - 7.8	7.17	45	75	0	0
Cr	3	16.8 - 25.8	21.0	90	110	0	0
Ra-226	32	0.30 - 3.12	0.91	5	6.2	0	0
Ra-228	32	0.44 - 1.82	0.99	5	6.2	0	0
Total Radium	32	0.79 - 3.70	1.90	5	6.2	0	0
Th-230	32	0.75 - 7.94	1.85	5	6.2	2	1
Th-232	32	0.45 - 1.87	1.01	5	6.2	0	0
U-238	32	0.86 - 1.91	1.31	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



NOTE: SAMPLES SC-23904-S-01-HS01 THROUGH SC-23904-S-01-HS04
ARE SET APPROXIMATELY 2.5 METERS FROM SC-23904-S-01.

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU239

Figure: 4-20

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO ·	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE 02/04/02	

Table 4 - 20 Summary of CU239

CU	239	RU	21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4-20

DATE RELEASED FOR UNRESTRICTED USE: 10/ 05/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northern portion of Raffinate Pits 3 and the common berm.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 23,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *01/29/99; 04/27/99; 05/08/99; 07/23/99; 08/23/99; 09/25/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 4

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [X] YES [ ] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-18, RPX-19, RPX-21 and RPX-39. (2) Five Th-230 hotspots were identified at SC-23903-S; SC-23904-S-01; SC-23905-S; SC-23913-S; and SC-23919-S. Four of these hotspots were excavated and resampled. Samples collected around SC-23904-S-01 determined the hotspot size met the hotspot rule. No further excavation was required. The hotspot calculation is presented in Appendix E. (3) One Th-230/Ra hotspot was identified at SC-23908-S. This hotspot was excavated and resampled. (4) Four utility samples identified as SC-23901-U thru SC-23904-U were collected after removal of a transite pipe. (5) Two locations (SC-23823-S and SC-23904-S) were resampled due to possible recontamination. (6) All final results are below criteria, with the exception of the remaining hotspot.*

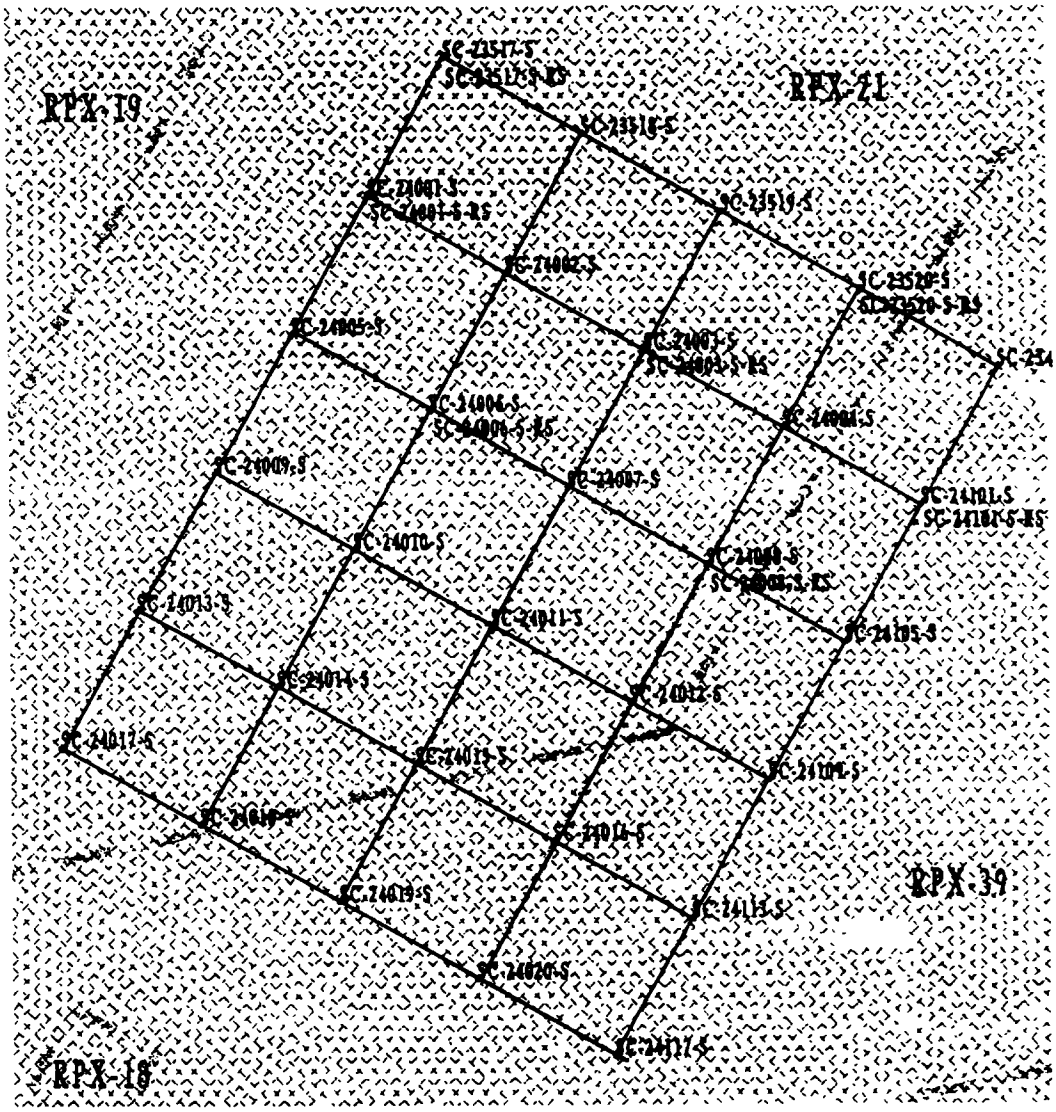
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	42	0.25 - 1.26	0.87	5	6.2	0	0
Ra-228	42	0.39 - 1.92	0.82	5	6.2	0	0
Total Radium	42	0.72 - 3.18	1.69	5	6.2	0	0
Th-230	42	0.68 - 9.14	1.85	5	6.2	4	1
Th-232	42	0.40 - 1.97	0.84	5	6.2	0	0
U-238	42	1.18 - 6.04	1.57	30	120	0	0
PAH	1	results < detection limit	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU240

Figure: 4-21

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 21 Summary of CU240

CU	240	RU	21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-21

DATE RELEASED FOR UNRESTRICTED USE: 08/ 05/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the central portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 8,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/24/99; 07/14/99; 07/22/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-21 and RPX-39.*
(2) Seven Th-230 hotspots were identified at SC-23517-S; SC-23520-S; SC-24001-S; SC-24003-S; SC-24006-S; SC-24008-S; and SC-24101-S. All hotspots were excavated and resampled.
(3) All final results are below criteria.

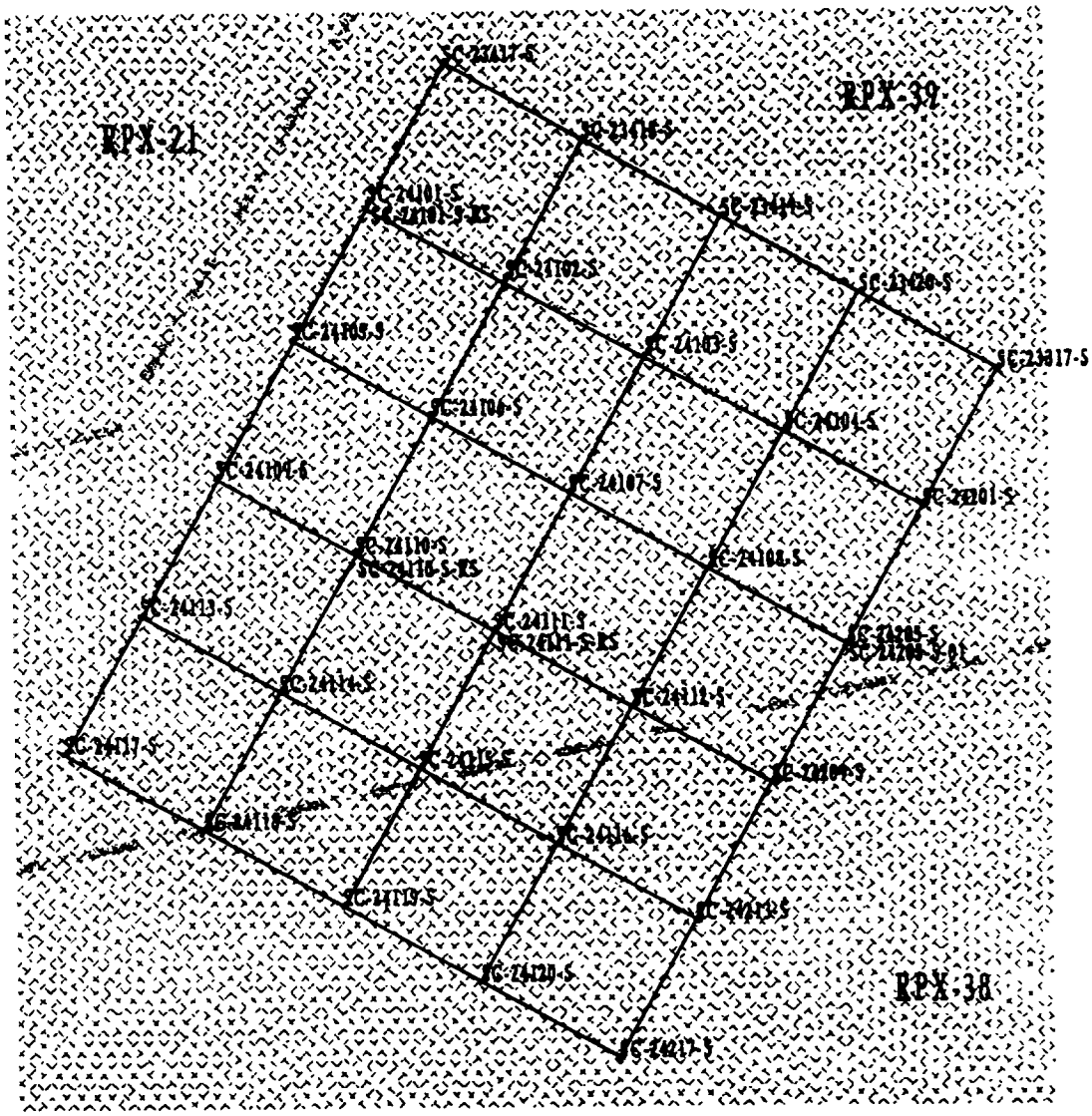
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	30	0.27 - 3.12	0.97	5	6.2	0	0
Ra-228	30	0.44 - 1.64	0.98	5	6.2	0	0
Total Radium	30	0.76 - 4.05	1.95	5	6.2	0	0
Th-230	30	0.88 - 6.11	2.05	5	6.2	4	0
Th-232	30	0.45 - 1.68	1.00	5	6.2	0	0
U-238	30	0.82 - 2.02	1.34	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021

Confirmation Unit CU241

Figure: 4-22

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO.	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 22 Summary of CU241

CU 241 RU 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	
		PCB	
		TNT	

Reference Figure: 4-22

DATE RELEASED FOR UNRESTRICTED USE: 08/ 05/99

CLEANUP STANDARD [ ] SURFACE [X] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the central portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/23/99; 06/24/99; 07/22/99; 07/23/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-38 and RPX-39.*
(2) Four Th-230 hotspots were identified at SC-24101-S; SC-24110-S; SC-24111-S; and SC-24205-S. All hotspots were excavated and resampled.
(3) All final results are below subsurface criteria.

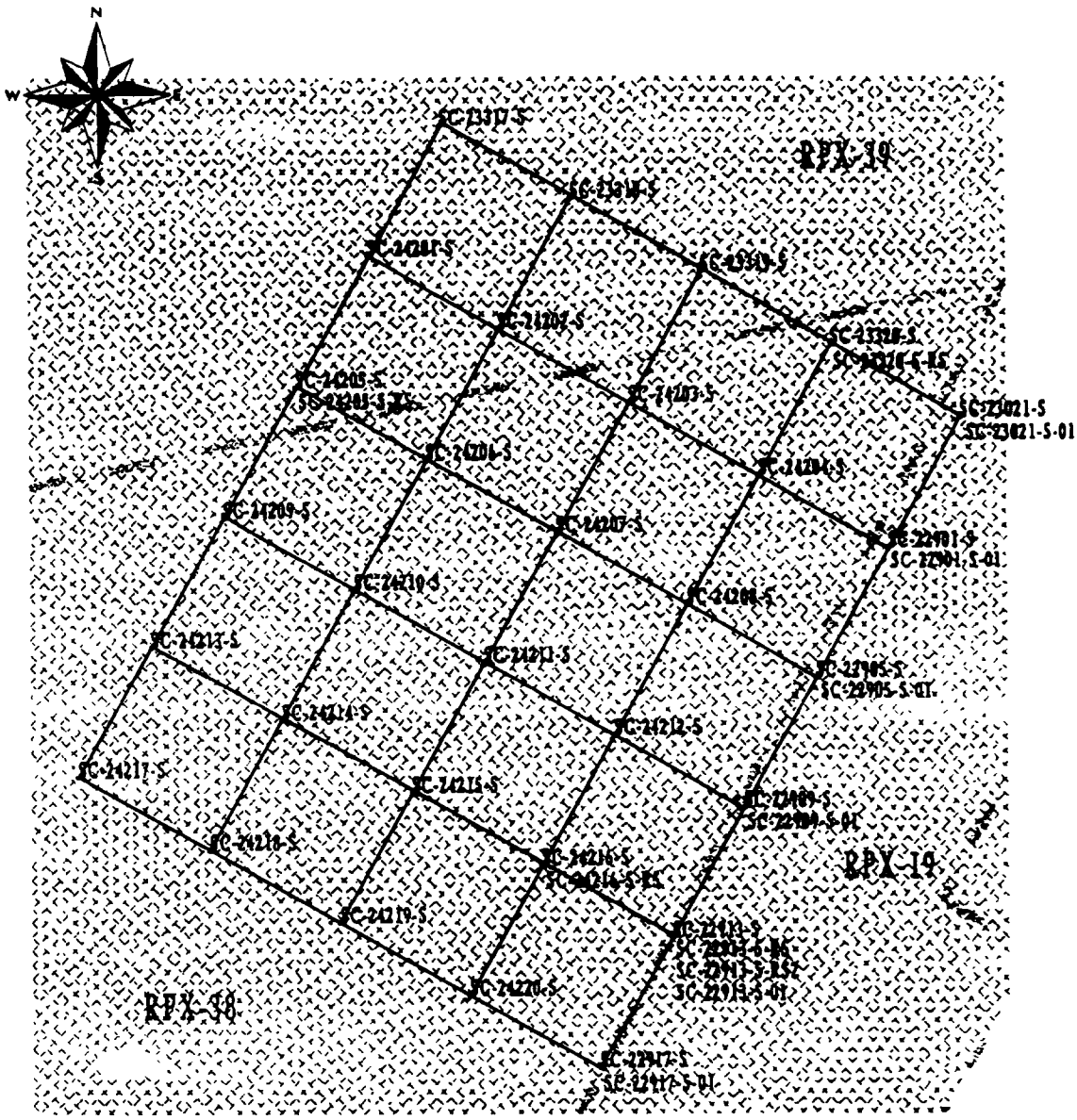
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	30	0.28 - 3.23	0.86	5	16.2	0	0
Ra-228	30	0.44 - 1.42	0.99	5	16.2	0	0
Total Radium	30	0.76 - 4.43	1.85	5	16.2	0	0
Th-230	30	0.87 - 11.1	3.11	5	16.2	6	0
Th-232	30	0.45 - 1.46	1.01	5	16.2	0	0
U-238	30	1.16 - 2.32	1.33	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021 Confirmation Unit CU242

Figure: 4-23

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO.	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 23 Summary of CU242

CU 242 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-23

DATE RELEASED FOR UNRESTRICTED USE: 08/ 05/99

CLEANUP STANDARD [ ] SURFACE [X] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the central portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 8,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/24/99; 07/14/99; 07/15/99; 07/16/99; 07/22/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-19, RPX-38, and RPX-39. (2) Three Th-230 hotspots were identified at SC-22913-S, SC-24205-S, and SC-24216-S. One total radium/Th-230 hotspot was identified at SC-23320-S. All four hotspots were excavated and resampled. (3) All final results are below subsurface criteria.*

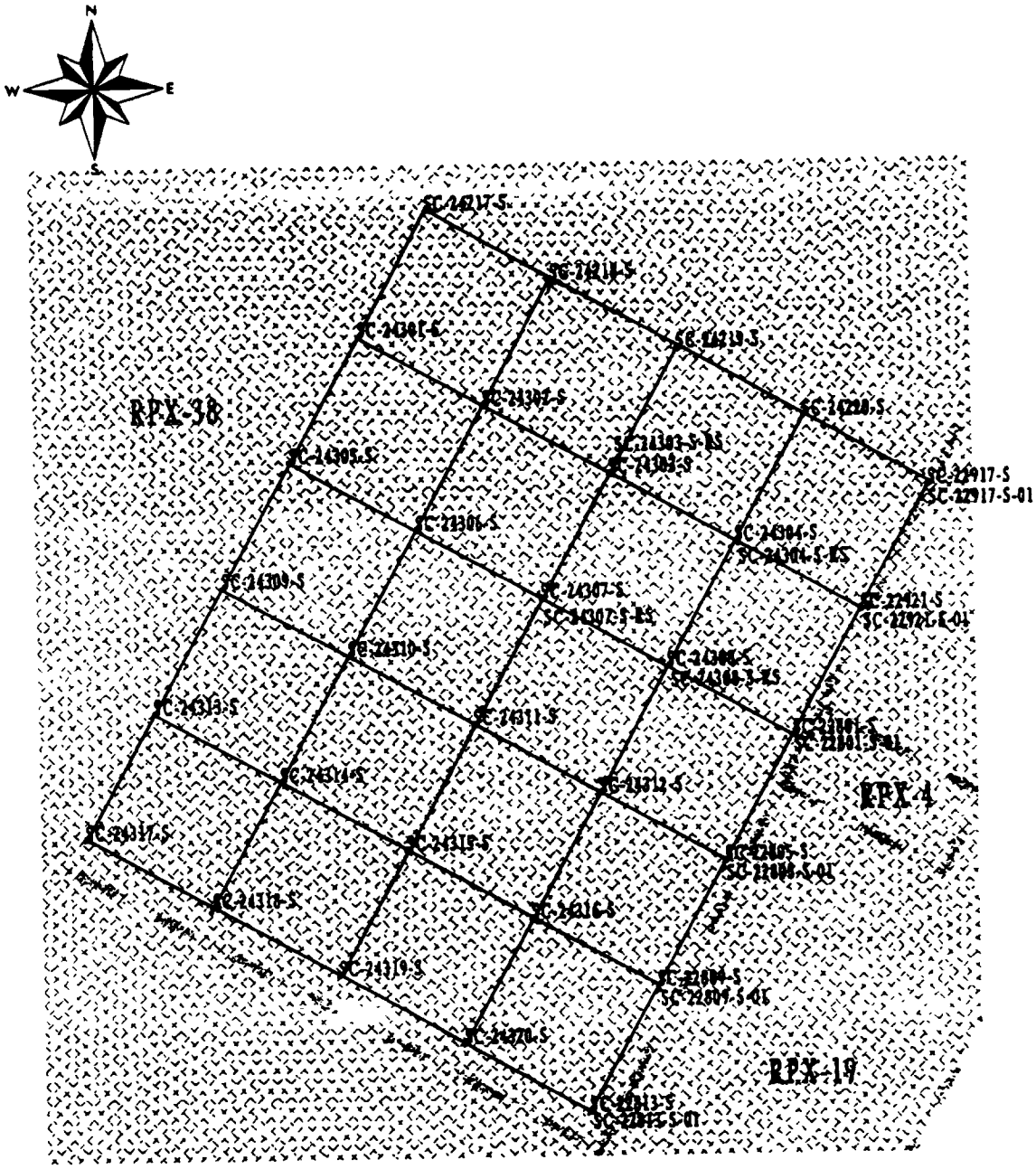
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	36	0.30 - 3.23	0.96	5	16.2	0	0
Ra-228	36	0.41 - 1.62	0.92	5	16.2	0	0
Total Radium	36	0.78 - 4.79	1.88	5	16.2	0	0
Th-230	36	0.90 - 14.1	2.67	5	16.2	4	0
Th-232	36	0.42 - 1.66	0.94	5	16.2	0	0
U-238	36	1.16 - 7.21	1.55	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU243

Figure: 4-24

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 24 Summary of CU243

CU 243 RU 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	
		PCB	
		TNT	

Reference Figure: 4-24

DATE RELEASED FOR UNRESTRICTED USE: 07/ 26/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the central portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 8,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/15/99; 06/23/99; 06/24/99; 07/14/99; 07/15/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-19 and RPX-38.*
(2) Four Th-230 hotspots were identified at SC-24303-S, SC-24304-S, SC-24307-S, and SC-24308-S. These hotspots were excavated and resampled.
(3) All final results are below criteria.

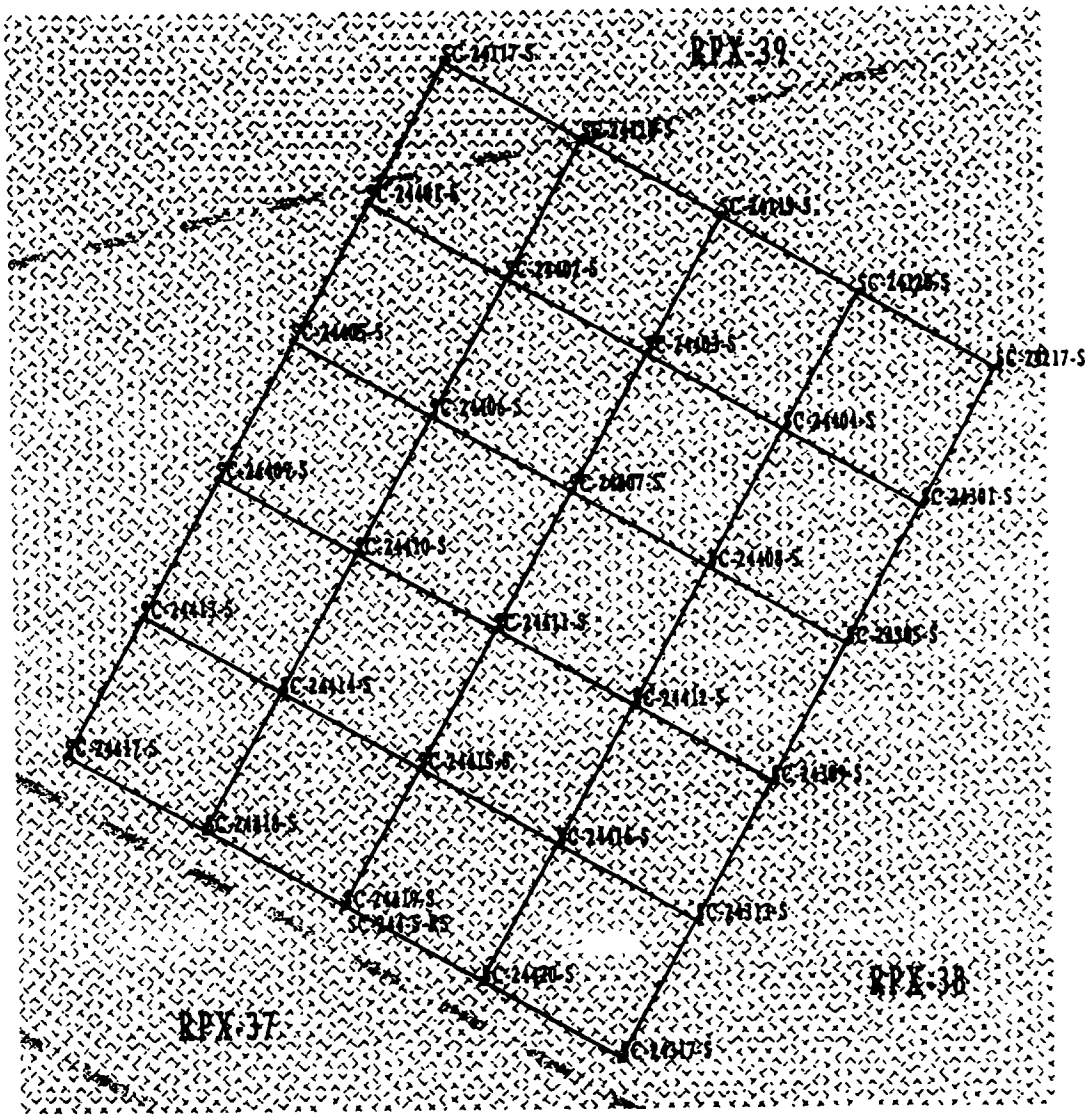
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	34	0.27 - 3.95	0.8	5	6.2	0	0
Ra-228	34	0.41 - 1.53	0.84	5	6.2	0	0
Total Radium	34	0.71 - 5.48	1.64	5	6.2	1	0
Th-230	34	0.89 - 5.74	1.66	5	6.2	1	0
Th-232	34	0.42 - 1.57	0.86	5	6.2	0	0
U-238	34	1.16 - 1.95	1.34	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU244

Figure: 4-25

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 01/16/02	

Table 4 - 25 Summary of CU244

CU 244 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-25

DATE RELEASED FOR UNRESTRICTED USE: 07/ 19/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the central portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/15/99; 06/23/99; 06/24/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-38 and RPX-39.*
(2)One Th-230 hotspot was identified at SC-24419-S. The hotspot was excavated and resampled.
(3) All final results are below ALARA.

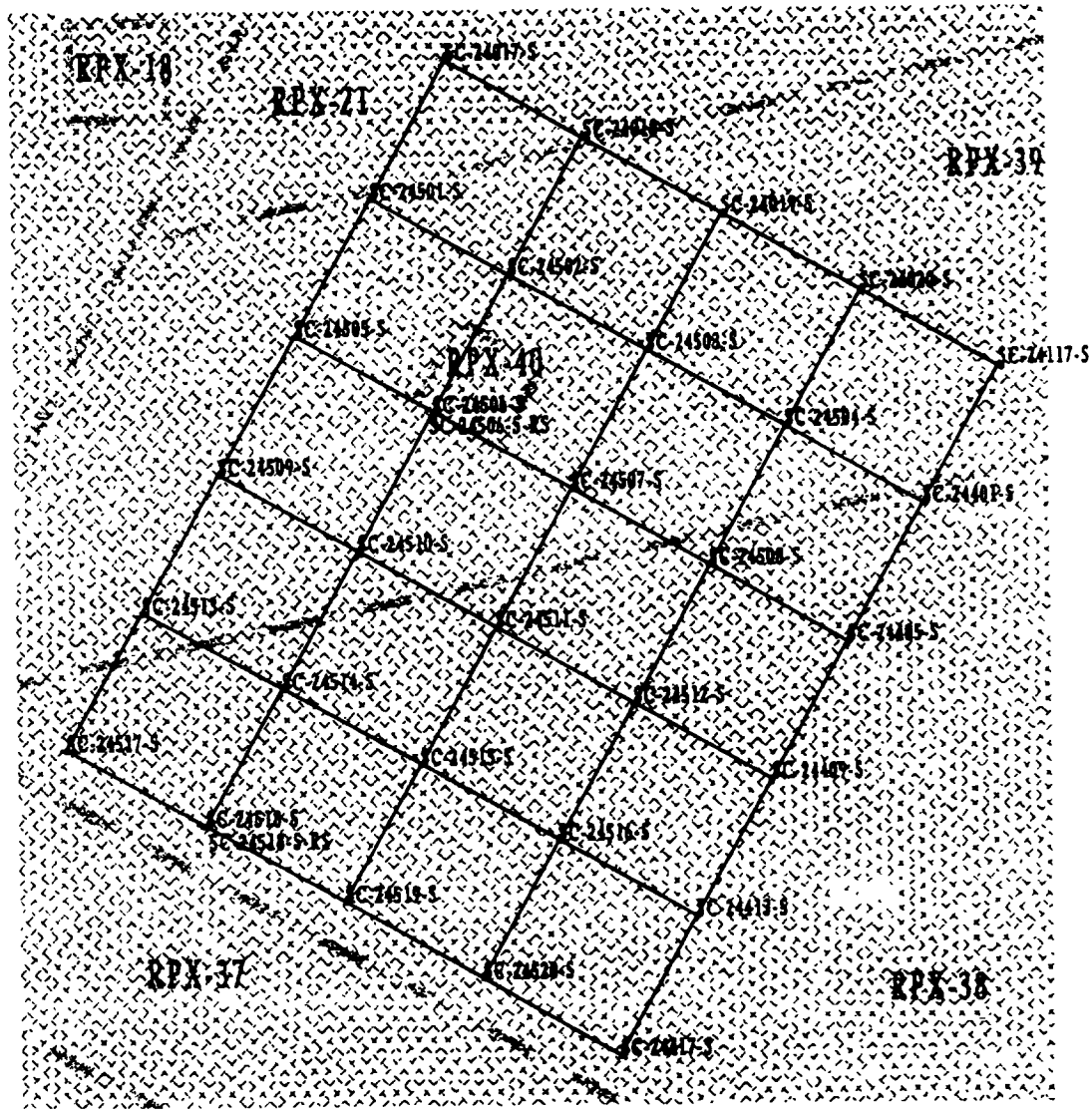
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	30	0.29 - 1.05	0.71	5	6.2	0	0
Ra-228	30	0.42 - 1.37	0.93	5	6.2	0	0
Total Radium	30	0.71 - 2.10.	1.64	5	6.2	0	0
Th-230	30	0.92 - 4.85	1.90	5	6.2	0	0
Th-232	30	0.43 - 1.40	0.95	5	6.2	0	0
U-238	30	0.82 - 1.34	1.25	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.


N
W
E
S
RPX-18
RPX-27
RPX-39
RPX-40
RPX-37
RPX-38
SC-24117-S
SC-24501-S
SC-24502-S
SC-24505-S
SC-24508-S
SC-24509-S
SC-24510-S
SC-24511-S
SC-24512-S
SC-24513-S
SC-24514-S
SC-24515-S
SC-24516-S
SC-24517-S
SC-24518-S
SC-24519-S
SC-24520-S
SC-24521-S
SC-24522-S
SC-24523-S
SC-24524-S
SC-24525-S
SC-24526-S
SC-24527-S
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SC-24529-S
SC-24530-S
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SC-24532-S
SC-24533-S
SC-24534-S
SC-24535-S
SC-24536-S
SC-24537-S
SC-24538-S
SC-24539-S
SC-24540-S
SC-24541-S
SC-24542-S
SC-24543-S
SC-24544-S
SC-24545-S
SC-24546-S
SC-24547-S

Table 4 - 26 Summary of CU245

CU 245 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-26

DATE RELEASED FOR UNRESTRICTED USE: 08/ 11/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the central portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/23/99; 06/24/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-21, RPX-38, RPX-39, and RPX-40.*
(2) The location representing RPX-40 was sampled prior to reaching the design elevation. The original results were not used and the location was resampled after reaching design elevation.
(3) One Th-230 hotspot was identified at SC-24518-S. The hotspot was excavated and resampled.
(4) All final results are below Criteria.

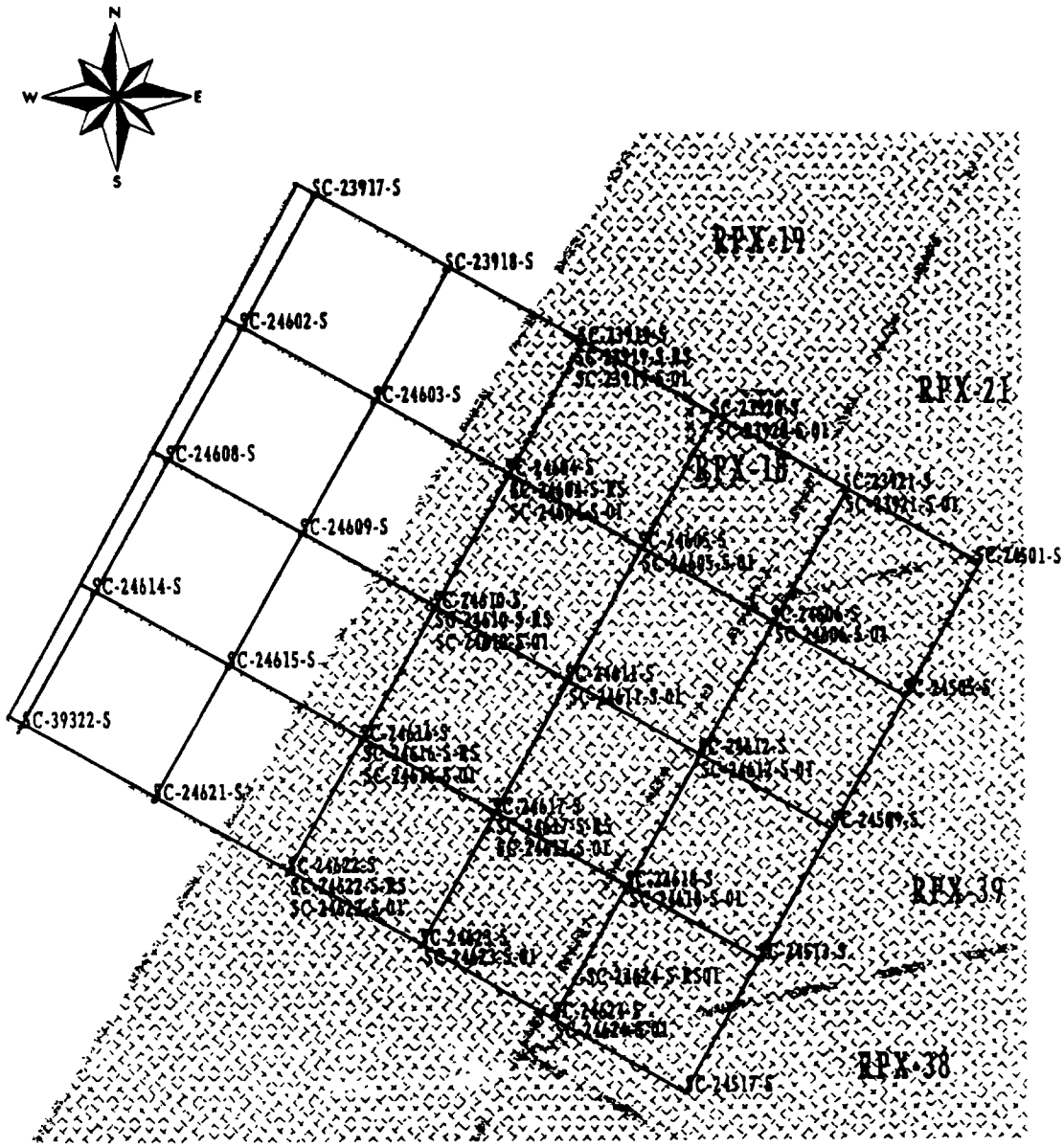
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	31	0.27 - 1.04	0.67	5	6.2	0	0
Ra-228	31	0.40 - 1.36	0.85	5	6.2	0	0
Total Radium	31	0.74 - 2.15	1.52	5	6.2	0	0
Th-230	31	0.92 - 6.11	1.62	5	6.2	1	0
Th-232	31	0.41 - 1.39	0.87	5	6.2	0	0
U-238	31	1.15 - 1.35	1.25	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



NOTE: SAMPLES SC-24617-S-HS01 THROUGH SC-24617-S-HS04, ARE SET APPROXIMATELY 2.5 METERS FROM SC-24617-S

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU246

Figure: 4-27

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/18/02	

Table 4 - 27 Summary of CU246

CU	246	RU	21
COC	Ra-226	X	As	X
	Ra-228	X	Cr	X
	Th-230	X	Pb	X
	Th-232	X	Tl	X
	U-238	X	PAH	X
			PCB	X
Reference Figure:	4-27		TNT	X

DATE RELEASED FOR UNRESTRICTED USE: 11/ 24/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the central portions of Raffinate Pits 3 and 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 23,000 cpm (shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *01/29/99; 04/27/99; 07/23/99; 08/23/99; 09/25/99; 09/27/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

COMMENTS - *(1) Planned confirmation grid points represent RPX-18, RPX-19, RPX-21, RPX-38, and RPX-39. (2) Five Th-230 hotspots were identified at SC-24604-S, SC-24610-S, SC-24616-S, SC-24617-S, and SC-23919-S. The first three were excavated and resampled and found to still be contaminated. These areas were excavated as contaminated until reaching the 1954 topo and then resampled again and given the suffix '-01.' The fourth hotspot was sampled around to determine size. It failed the hotspot rule and was therefore excavated and resampled. The fifth Th-230 hotspot was excavated and resampled. (3) One Th-230/total radium hotspot was identified at SC-24622-S. This hotspot was excavated and resampled. (4). Sample ID 'SC-24620-S' was renamed 'SC-39322-S' upon creation of CU393. (5) All final results are below ALARA.*

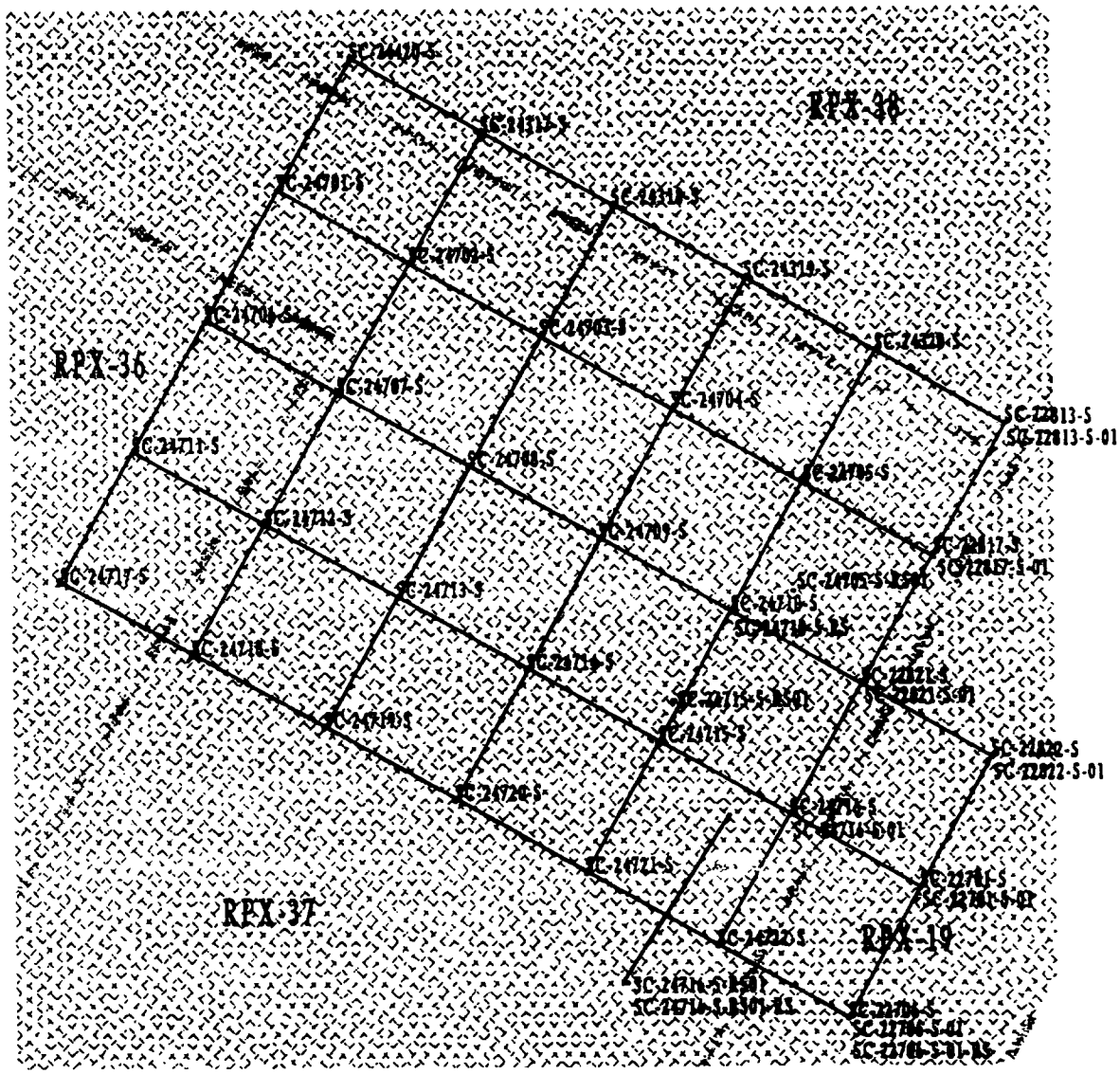
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Arsenic	1	10	N/A	45	75	0	0
Chromium	1	14.8	N/A	90	110	0	0
Lead	1	12.9	N/A	240	450	0	0
Thallium	1	3	N/A	16	20	0	0
Ra-226	42	0.25 - 1.62	0.87	5	6.2	0	0
Ra-228	42	0.39 - 1.50	0.84	5	6.2	0	0
Total Radium	42	0.72 - 2.79	1.71	5	6.2	0	0
Th-230	42	0.68 - 4.10	1.58	5	6.2	0	0
Th-232	42	0.40 - 1.54	0.86	5	6.2	0	0
U-238	42	1.18 - 4.56	1.49	30	120	0	0
TNT	1	result < detection limit	N/A	14	140	0	0
PCB	1	result < detection limit	N/A	0.65	8	0	0
PAH	2	results < detection limit	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU247

Figure: 4-28

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO ·	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 28 Summary of CU247

CU 247 RU 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	
		PCB	
		TNT	

Reference Figure: 4-28

DATE RELEASED FOR UNRESTRICTED USE: 07/ 20/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 6,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *04/13/99; 05/06/99; 06/02/99; 06/15/99; 07/14/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 33

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-19, RPX-36, RPX-37, and RPX-38. (2) One Th-230 hotspot was identified at SC-24710-S. This hotspot was excavated and resampled. All results were below ALARA. (2) 'SC-22706-S-01' was erroneously staked and sampled before reaching the design elevation. The sample results were not used and excavation continued until reaching the design elevation. The location was resampled and designated with a '-01-RS' suffix. (3) All final results are below Criteria.*

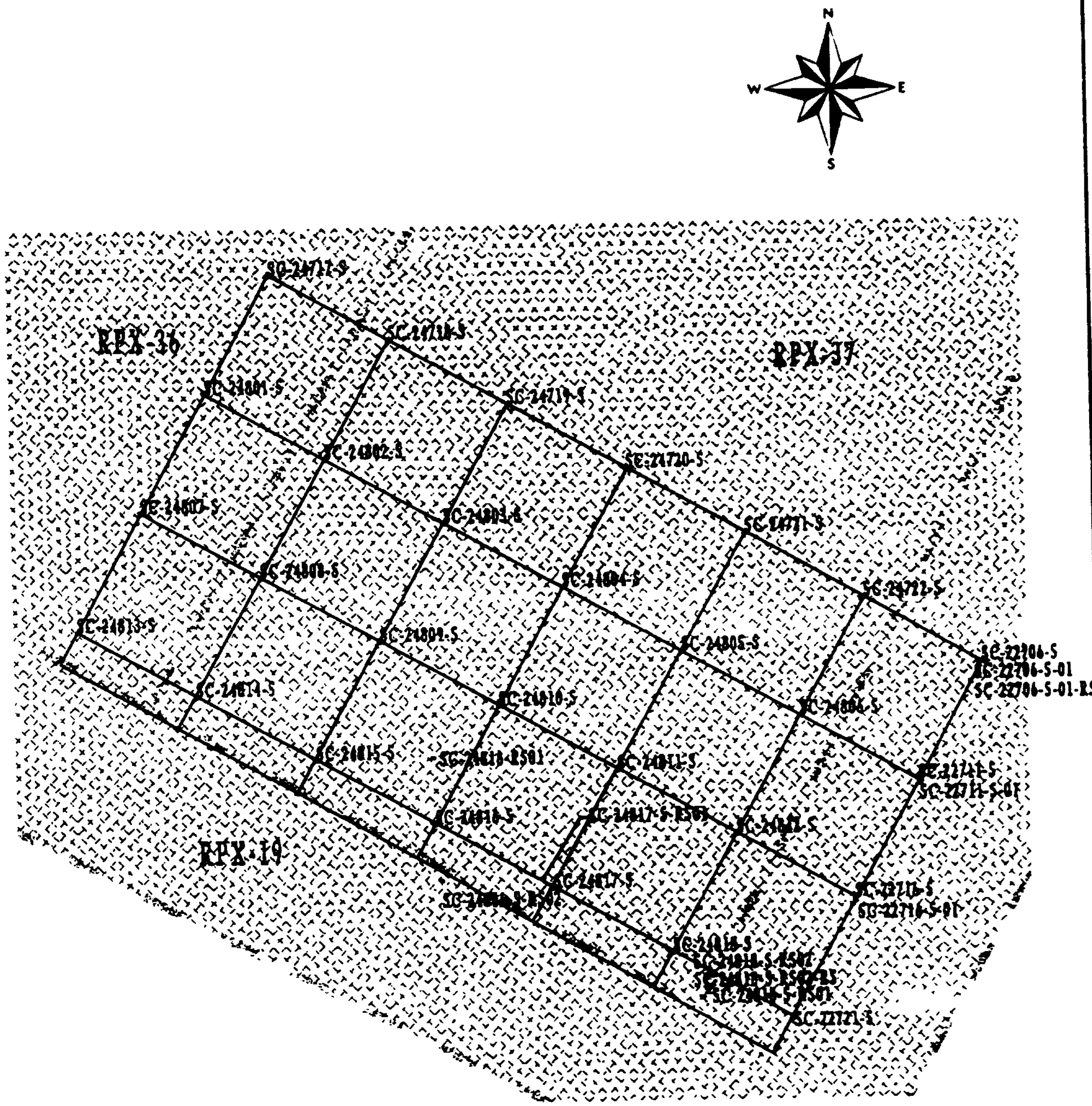
ORISE ACTION - *ORISE identified three areas with elevated readings. These areas were automatically excavated and resampled. One area, SC-24716-S-RS01, required a second excavation and resampling. All results were below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	43	0.27 - 1.69	0.89	5	6.2	0	0
Ra-228	43	0.41 - 1.49	0.94	5	6.2	0	0
Total Radium	43	0.78 - 3.08	1.83	5	6.2	0	0
Th-230	43	0.45 - 5.36	1.35	5	6.2	1	0
Th-232	43	0.42 - 1.53	0.96	5	6.2	0	0
U-238	43	0.22 - 3.36	1.35	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU248

Figure: 4-29

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO:	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/05/02	

Table 4 - 29 Summary of CU248

CU 248 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-29

DATE RELEASED FOR UNRESTRICTED USE: 06/ 15/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 7,000 - 9,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *04/13/99; 06/02/99; 06/03/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 28

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-19, RPX-36 and RPX-37.*
(2) 'SC-22706-S-01' was erroneously staked and sampled before reaching the design elevation. The sample results were not used and excavation continued until reaching the design elevation. The location was resampled and designated with a '-01-RS' suffix.
(3) All final results are below ALARA.

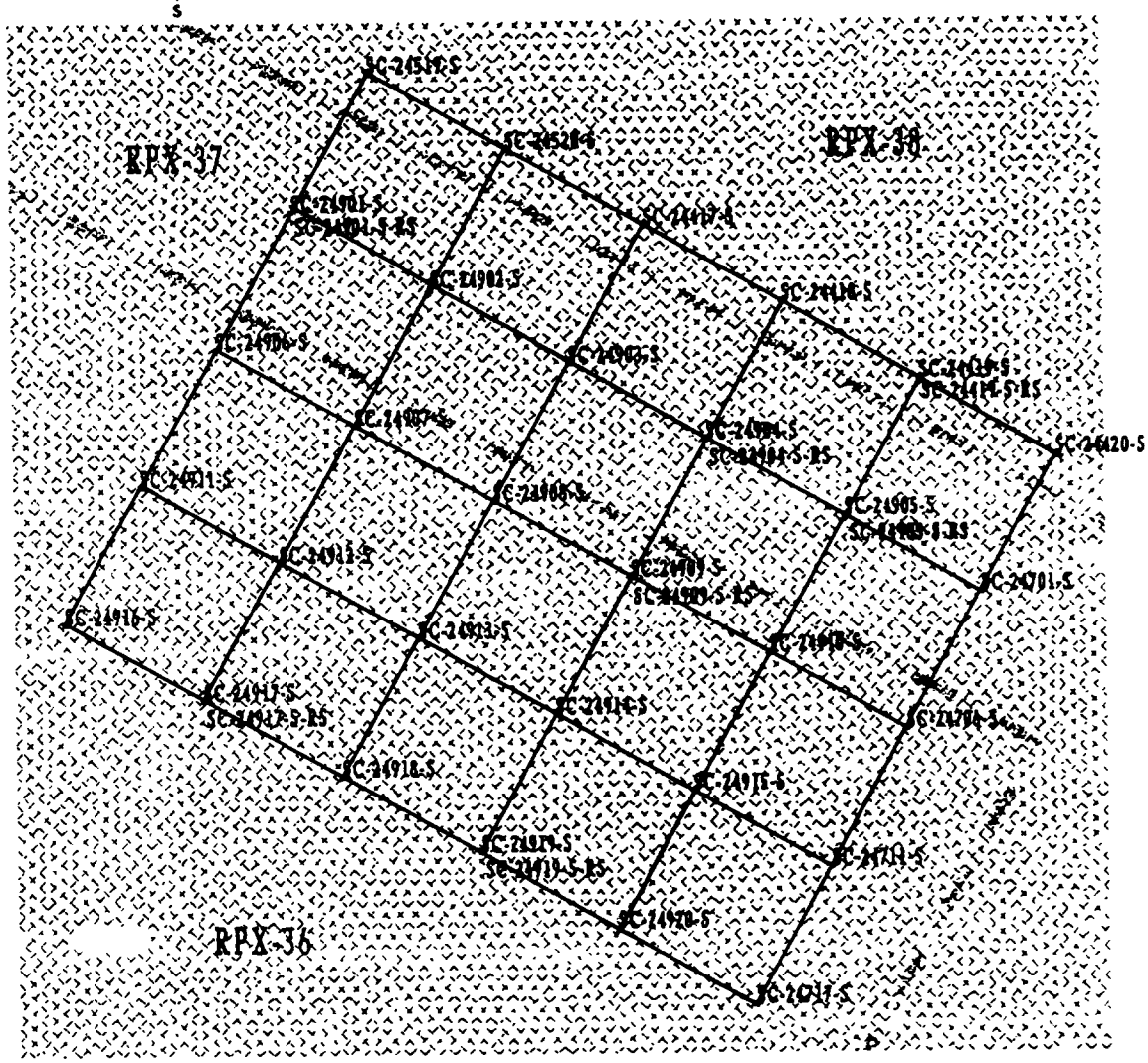
ORISE ACTION - *ORISE identified five areas with elevated readings. These areas were automatically excavated and resampled. One area, SC-24818-S-RS02, required a second excavation and resampling. All results were below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	36	0.31 - 3.85	0.97	5	6.2	0	0
Ra-228	36	0.42 - 1.65	0.95	5	6.2	0	0
Total Radium	36	0.73 - 4.39	1.92	5	6.2	0	0
Th-230	36	0.76 - 4.27	1.32	5	6.2	0	0
Th-232	36	0.43 - 1.69	0.97	5	6.2	0	0
U-238	36	0.80 - 2.44	1.31	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU249

Figure: 4-30

REPORT NO: DOE/OR/21548-907		EXHIBIT NO:	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 01/17/02	

Table 4 - 30 Summary of CU249

CU 249 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-30

DATE RELEASED FOR UNRESTRICTED USE: 07/ 20/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 9,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/02/99; 06/11/99; 06/15/99; 06/23/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-36, RPX-37, and RPX-38. (2) Seven Th-230 hotspots were identified at SC-24419-S; SC-24901-S; SC-24904-S; SC-24905-S; SC-24909-S; SC-24917-S; and SC-24919-S. All were excavated and resampled. (3) All final results are below ALARA.*

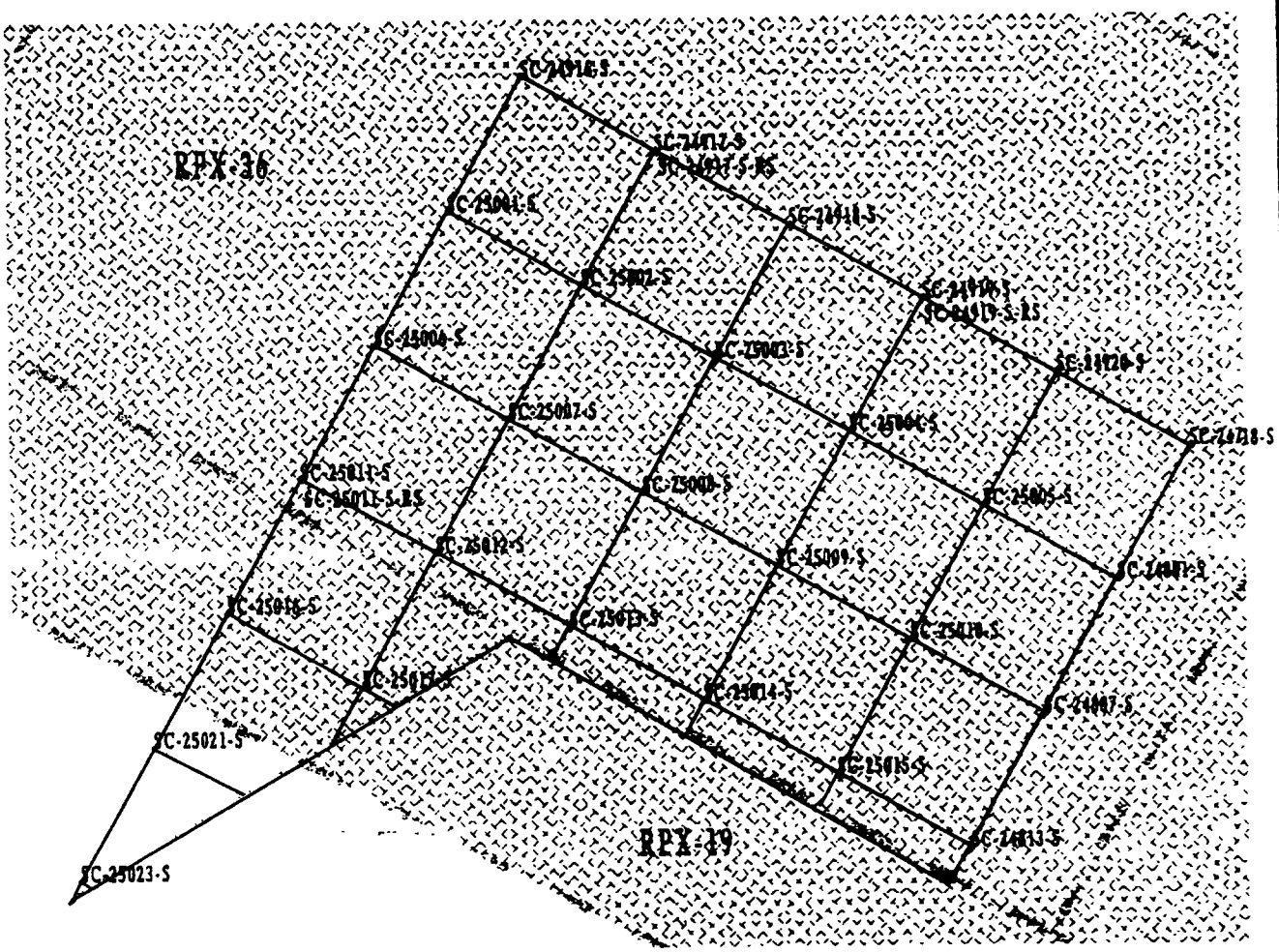
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	30	0.27 - 3.34	0.90	5	6.2	0	0
Ra-228	30	0.40 - 1.60	0.93	5	6.2	0	0
Total Radium	30	0.76 - 4.94	1.82	5	6.2	0	0
Th-230	30	0.70 - 3.36	1.59	5	6.2	0	0
Th-232	30	0.41 - 1.64	0.95	5	6.2	0	0
U-238	30	1.21 - 1.89	1.35	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU250

Figure: 4-31

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 01/17/02	

Table 4 - 31 Summary of CU250

CU 250 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-31

DATE RELEASED FOR UNRESTRICTED USE: 11/ 02/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 6,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/02/99; 06/04/99; 06/11/99; 06/17/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 28

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid samples represent RPX-19 and RPX-36. (2) Two Th-230 hotspots were identified at SC-24917-S and SC-24919-S. Both hotspots were excavated and resampled. (3) One total radium/Th-230 hotspot was identified at SC-25011-S. This hotspot was excavated and resampled. (4) All final results were below Criteria.*

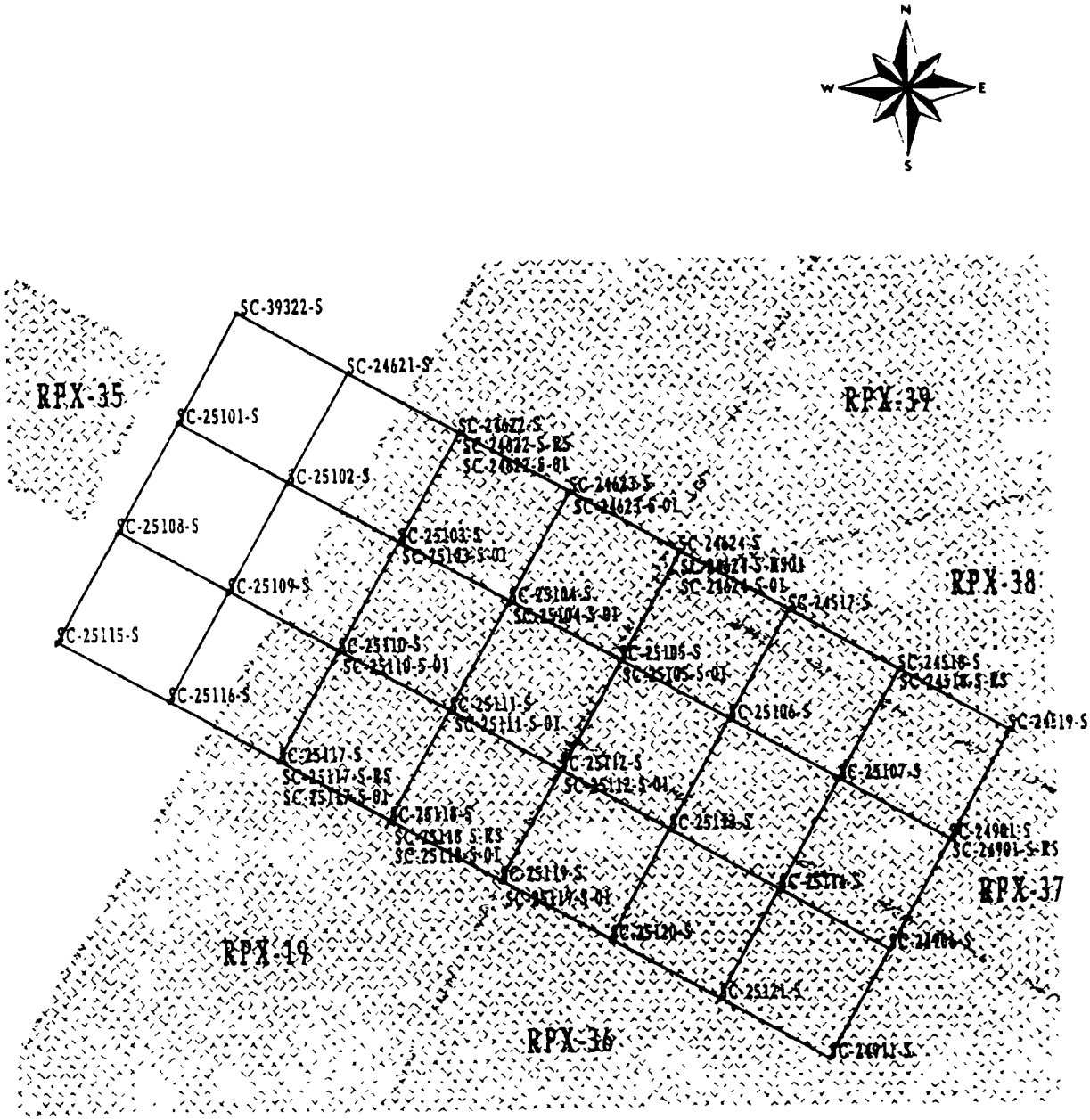
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	28	0.33 - 3.34	0.89	5	6.2	0	0
Ra-228	28	0.45 - 1.60	0.94	5	6.2	0	0
Total Radium	28	0.78 - 4.94	1.83	5	6.2	0	0
Th-230	28	0.75 - 6.15	1.63	5	6.2	1	0
Th-232	28	0.46 - 1.64	0.96	5	6.2	0	0
U-238	28	0.86 - 2.14	1.35	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



NOTE: SAMPLES SC-25118-S-HS01 THROUGH SC-25118-S-HS04.
ARE SET APPROXIMATELY 2.5 METERS FROM SC-25118-S.

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021 Confirmation Unit CU251

Figure: 4-32

REPORT NO: DOE/OR/21548-907		EXHIBIT NO:	
ORIGINATOR MGL	DRAWN BY: LGE	DATE 04/01/02	

Table 4 - 32 Summary of CU251

CU 251 RU 21

COC

Ra-226	X	As	X
Ra-228	X	Cr	X
Th-230	X	Pb	X
Th-232	X	Tl	X
U-238	X	PAH	X
		PCB	X
		TNT	X

Reference Figure: 4-32

DATE RELEASED FOR UNRESTRICTED USE: 10/ 12/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pits 3 and 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 23,000 cpm

(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *01/29/99; 04/27/99; 06/11/99; 06/17/99; 07/23/99; 09/25/99; 09/28/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 32

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-19, RPX-36, RPX-37, RPX-38 and RPX-39. (2) Three Th-230 hotspots were identified at SC-24518-S, SC-24901-S, and SC-25118-S. The first two were excavated and resampled. The third one was sampled around to determine size. It failed the hotspot rule and was therefore excavated and resampled. (3) Two total radium/Th-230 hotspots were identified at SC-25117-S and SC-24622-S. Both hotspots were excavated and resampled. (4) Sample ID SC-24620-S was renamed SC-39322-S upon creation of CU393. (5) All final results are below ALARA.*

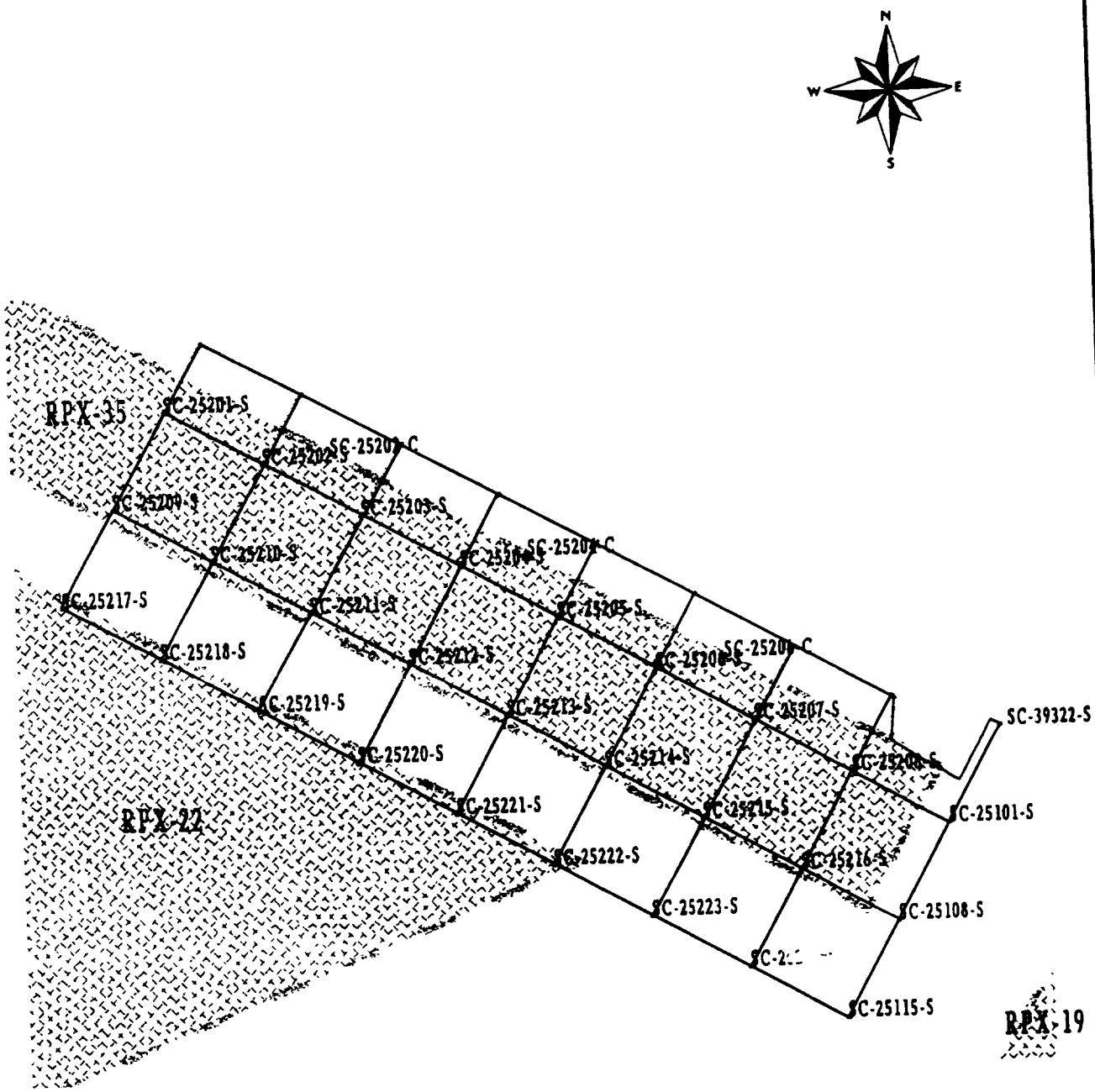
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

As	3	9.9 - 21.8	13.9	45	75	0	0
Cr	3	14.7 - 18.5	16.0	90	110	0	0
Pb	3	9.9 - 16.4	13.1	240	450	0	0
Tl	3	1.1 - 3.0	1.9	16	20	0	0
Ra-226	43	0.26 - 1.40	0.82	5	6.2	0	0
Ra-228	43	0.40 - 1.62	0.89	5	6.2	0	0
Total Radium	43	0.71 - 2.82	1.72	5	6.2	0	0
Th-230	43	0.77 - 4.10	1.70	5	6.2	0	0
Th-232	43	0.41 - 1.66	0.93	5	6.2	0	0
U-238	43	1.13 - 4.03	1.41	30	120	0	0
PAH	3	results < detection limit	N/A	0.44	5.6	0	0
PCB	3	results < detection limit	N/A	0.65	8	0	0
TNT	3	results < detection limit	N/A	14	140	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU252

Figure: 4-33

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO.:	
ORIGINATOR: MGL	DRAWN BY: LGB	DATE 02/04/02	

Table 4 - 33 Summary of CU252

CU	252	RU	21

COC				
	Ra-226	X	As	X
	Ra-228	X	Cr	X
	Th-230	X	Pb	X
	Th-232	X	Tl	X
	U-238	X	PAH	X
			PCB	X
			TNT	X

Reference Figure: 4-33

DATE RELEASED FOR UNRESTRICTED USE: 10/ 12/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents a portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 11,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *09/25/99; 09/28/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 31

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-22 and RPX-35.*
(2) Sample ID 'SC-24620-S' was renamed 'SC-39322-S' upon creation of CU393.
(3) All final results are below ALARA.

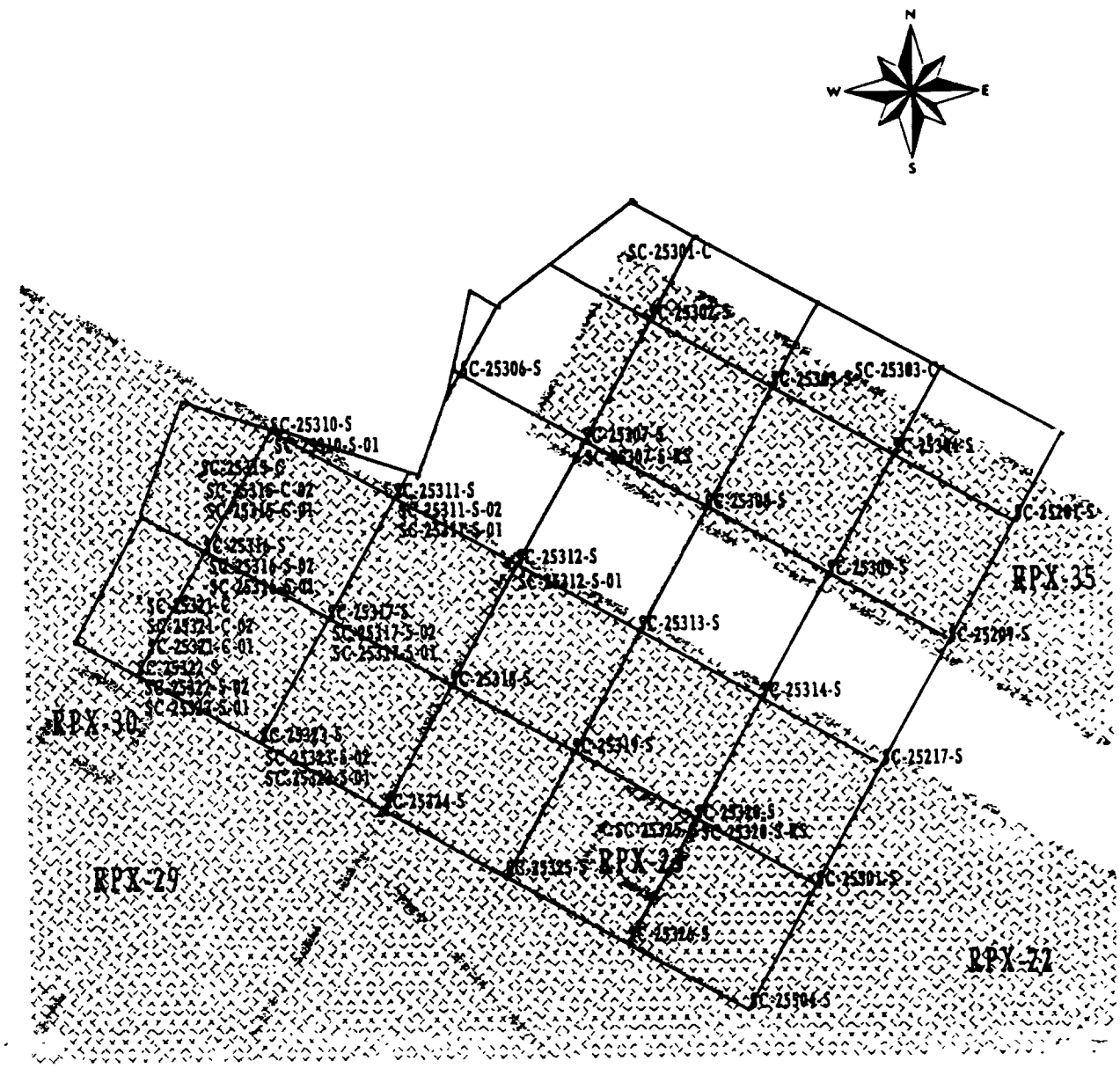
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

As	22	2.5 - 21.8	9.29	45	75	0	0
Cr	22	10.2 - 28.7	17.02	90	110	0	0
Pb	22	6.1 - 24.3	12.44	240	450	0	0
Tl	22	0.3 - 3.0	1.29	16	20	0	0
Ra-226	31	0.22 - 1.74	0.53	5	6.2	0	0
Ra-228	31	0.38 - 1.29	0.77	5	6.2	0	0
Total Radium	31	0.65 - 2.19	1.30	5	6.2	0	0
Th-230	31	0.69 - 1.37	0.96	5	6.2	0	0
Th-232	31	0.39 - 1.32	0.79	5	6.2	0	0
U-238	31	0.73 - 7.88	1.92	30	120	0	0
PAH	22	0.0 - 0.003	0.01	0.44	5.6	0	0
PCB	22	results < detection limit	N/A	0.65	8	0	0
TNT	22	results < detection limit	N/A	14	140	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU253

Figure: 4-34

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE 02/05/02	

Table 4 - 34 Summary of CU253

CU	253	RU	21

COC				
	Ra-226	X	As	X
	Ra-228	X	Cr	X
	Th-230	X	Pb	X
	Th-232	X	Tl	X
	U-238	X	PAH	X
			PCB	X
			TNT	X

Reference Figure: 4-34

DATE RELEASED FOR UNRESTRICTED USE: 10/ 22/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the western portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 35,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *10/02/98; 09/25/99; 09/28/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 32

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-22, RPX-29, and RPX-35. An additional sample location, SC-25325-C, was added to represent the RPX-23 excavation. (2) One Th-230 hotspot was identifed at SC-25307-S. The area was excavated and resampled. (3) Many locations were sampled three times: the original sampling event (in 1998 under WP-471), a second confirmation sampling after finding contaminated material during clean excavation ('-02' suffix), and again after completing the 1954 topo excavation ('-01' suffix). (4) All final results are below criteria.*

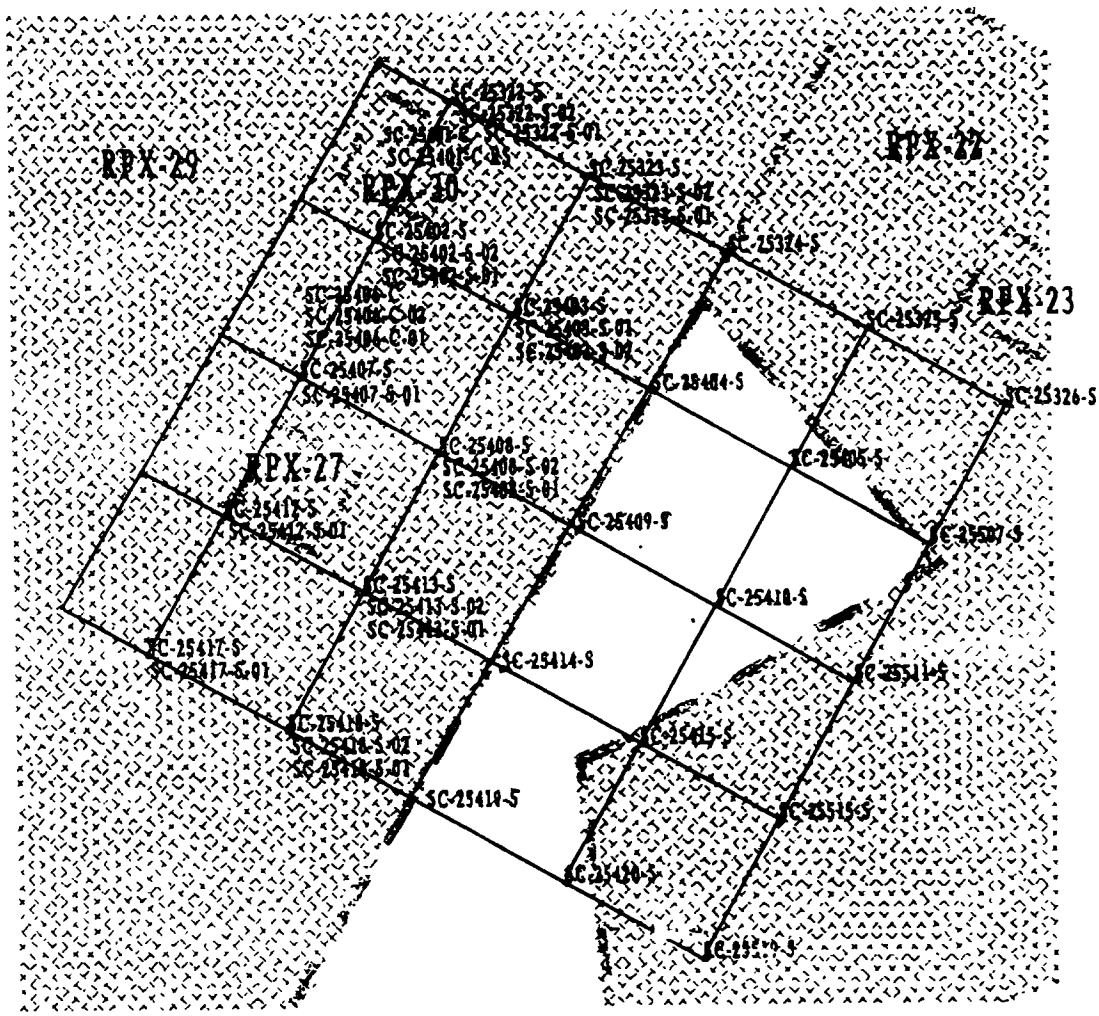
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

As	11	2.4 - 16.3	8.4	45	75	0	0
Cr	11	13.6 - 28.7	17.4	90	110	0	0
Pb	11	5.6 - 25.9	13.5	240	450	0	0
Tl	11	1.5 - 5.5	2.5	16	20	0	0
Ra-226	49	0.22 - 4.2	0.93	5	6.2	0	0
Ra-228	49	0.41 - 1.79	1.00	5	6.2	0	0
Total Radium	49	0.70 - 5.56	1.93	5	6.2	1	0
Th-230	49	0.74 - 5.17	1.28	5	6.2	1	0
Th-232	49	0.42 - 1.83	1.03	5	6.2	0	0
U-238	49	1.17 - 2.89	1.43	30	120	0	0
PAH	28	0 - 0.8	0.04	0.44	5.6	1	0
PCB	11	results < detection limit	N/A	0.65	8	0	0
TNT	11	results < detection limit	N/A	14	140	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU254

Figure: 4-35

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO:	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 35 Summary of CU254

CU: 254 RU: 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4-35

DATE RELEASED FOR UNRESTRICTED USE: 10/ 22/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the western portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 35,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *10/02/98; 09/14/99; 09/25/99; 09/28/99; 10/07/99; 10/20/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 26

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-22, RPX-27, RPX-29 (1954 topo), and RPX-30. RPX-27 was excavated along with RPX-29, therefore the resampled locations within the two RPXs have the '-01' suffixes. (2) Many locations were sampled three times: the original sampling event (in 1998 under WP-471), a second confirmation sampling after finding contaminated material ('-02' suffix), and again after completing the 54 topo excavation ('-01' suffix). (3) 'SC-25401-C' was erroneously staked and sampled before reaching the design elevation. The sample results were not used and contaminated excavation continued until reaching the design elevation. The location was resampled and designated with a '-RS' suffix. (4) All final results are below criteria.*

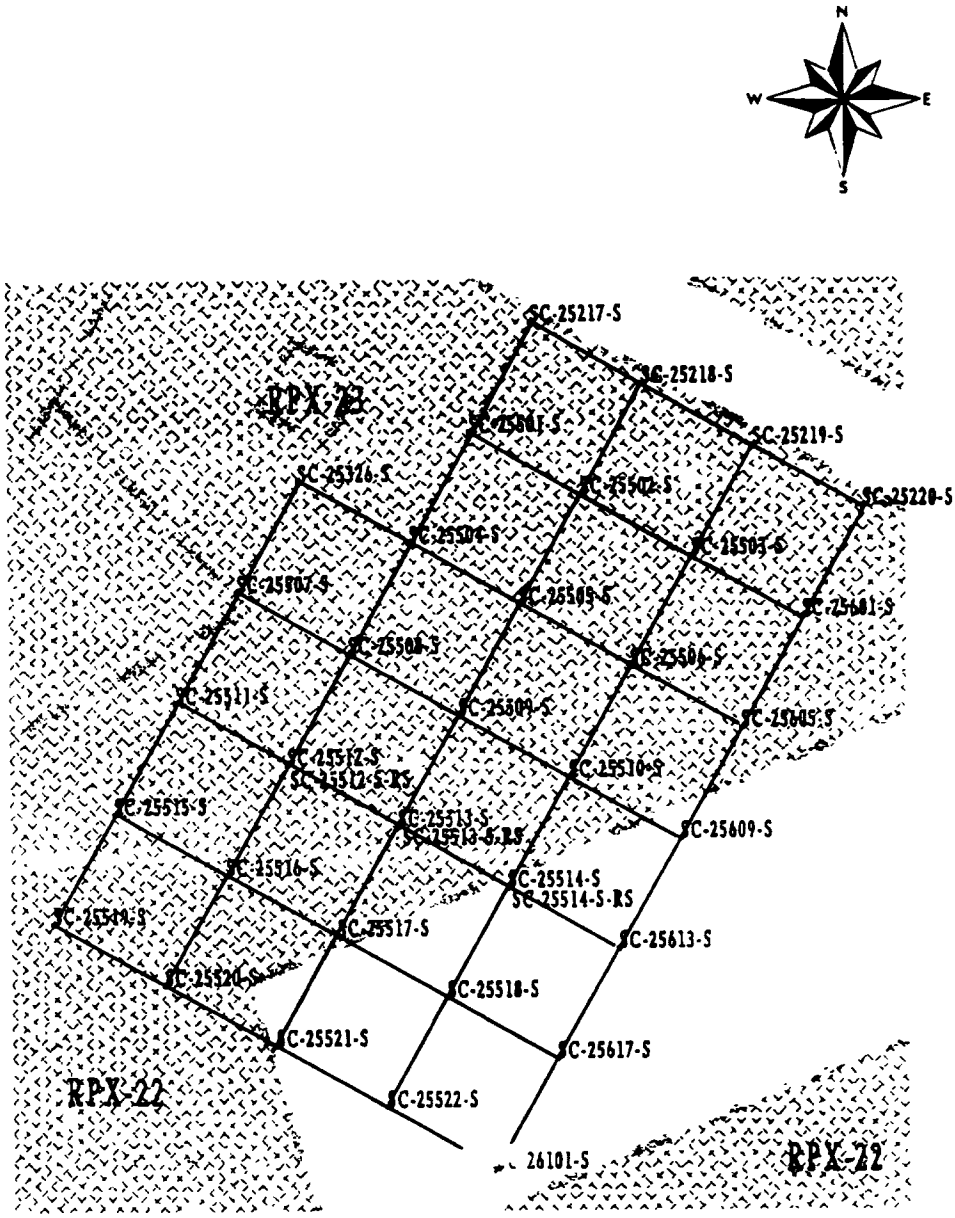
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	46	0.24 - 1.46	0.89	5	6.2	0	0
Ra-228	46	0.43 - 1.55	1.02	5	6.2	0	0
Total Radium	46	0.83 - 2.78	1.92	5	6.2	0	0
Th-230	46	0.71 - 2.11	1.09	5	6.2	0	0
Th-232	46	0.44 - 1.59	1.05	5	6.2	0	0
U-238	46	0.82 - 3.17	1.49	30	120	0	0
PAH	18	0.0 - 1.1	0.2	0.44	5.6	3	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU255

Figure: 4-36

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO ·	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 01/10/02	

Table 4 - 36 Summary of CU255

CU 255 RU 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	
		PCB	
		TNT	

Reference Figure: 4-36

DATE RELEASED FOR UNRESTRICTED USE: 10/ 28/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *09/28/99; 10/07/99; 10/11/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 33

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-22. (2) Three Total Ra/Th-230 hotspots were identified at SC-25512-S, SC-25513-S, and SC-25514-S. All were excavated and resampled. (3) All final results were below ALARA.*

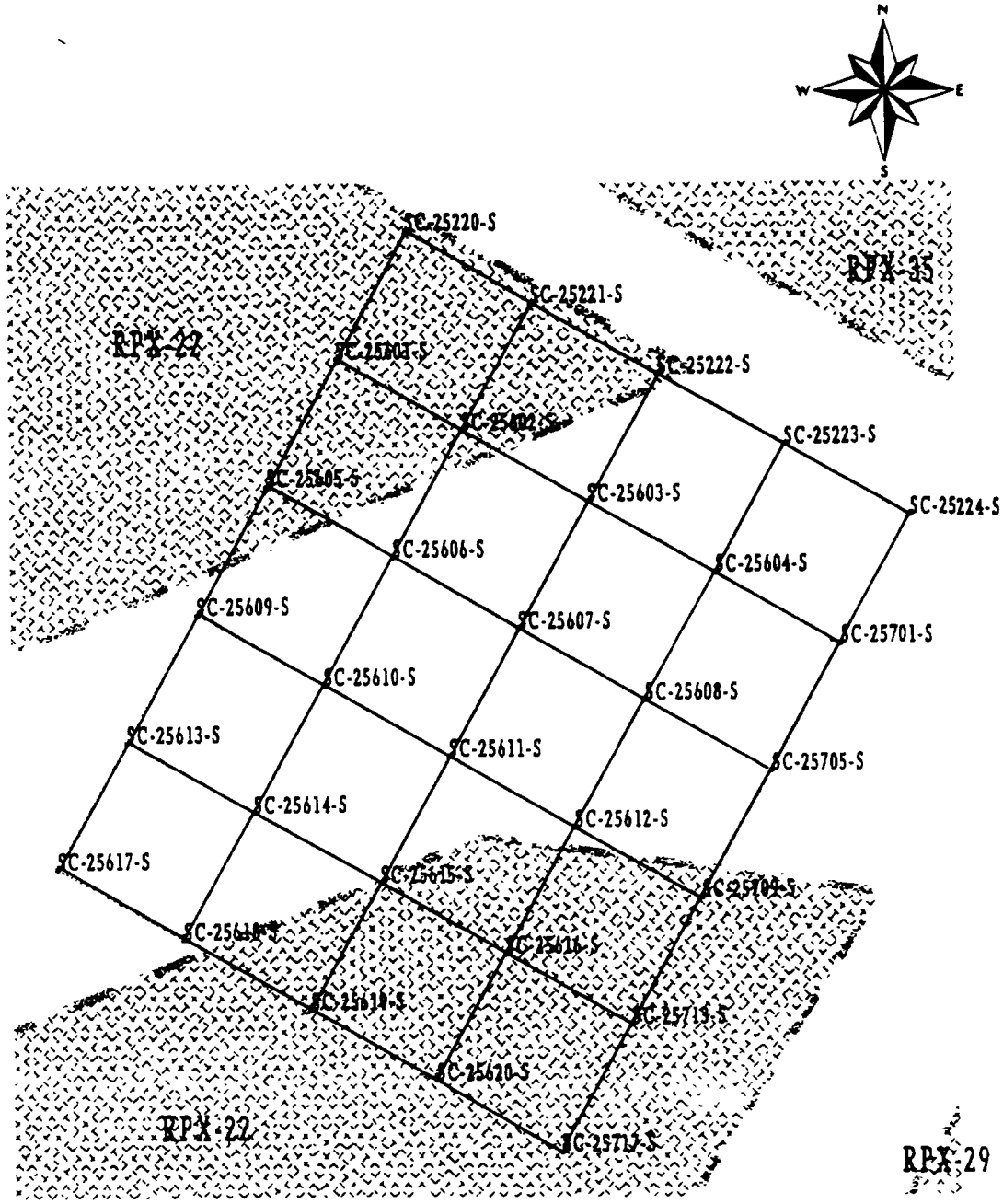
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	33	0.22 - 1.23	0.55	5	6.2	0	0
Ra-228	33	0.41 - 1.21	0.77	5	6.2	0	0
Total Radium	33	0.70 - 2.19	1.32	5	6.2	0	0
Th-230	33	0.74 - 2.34	1.16	5	6.2	0	0
Th-232	33	0.42 - 1.24	0.79	5	6.2	0	0
U-238	33	1.15 - 9.50	3.39	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU256

Figure: 4-37

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO.:	
ORIGINATOR: MGL	DRAWN BY: LGB	DATE 01/10/02	

Table 4 - 37 Summary of CU256

CU 256 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-37

DATE RELEASED FOR UNRESTRICTED USE: 10/ 29/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *09/25/99; 10/07/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *Planned confirmation grid points represent RPX-22. All results are below ALARA.*

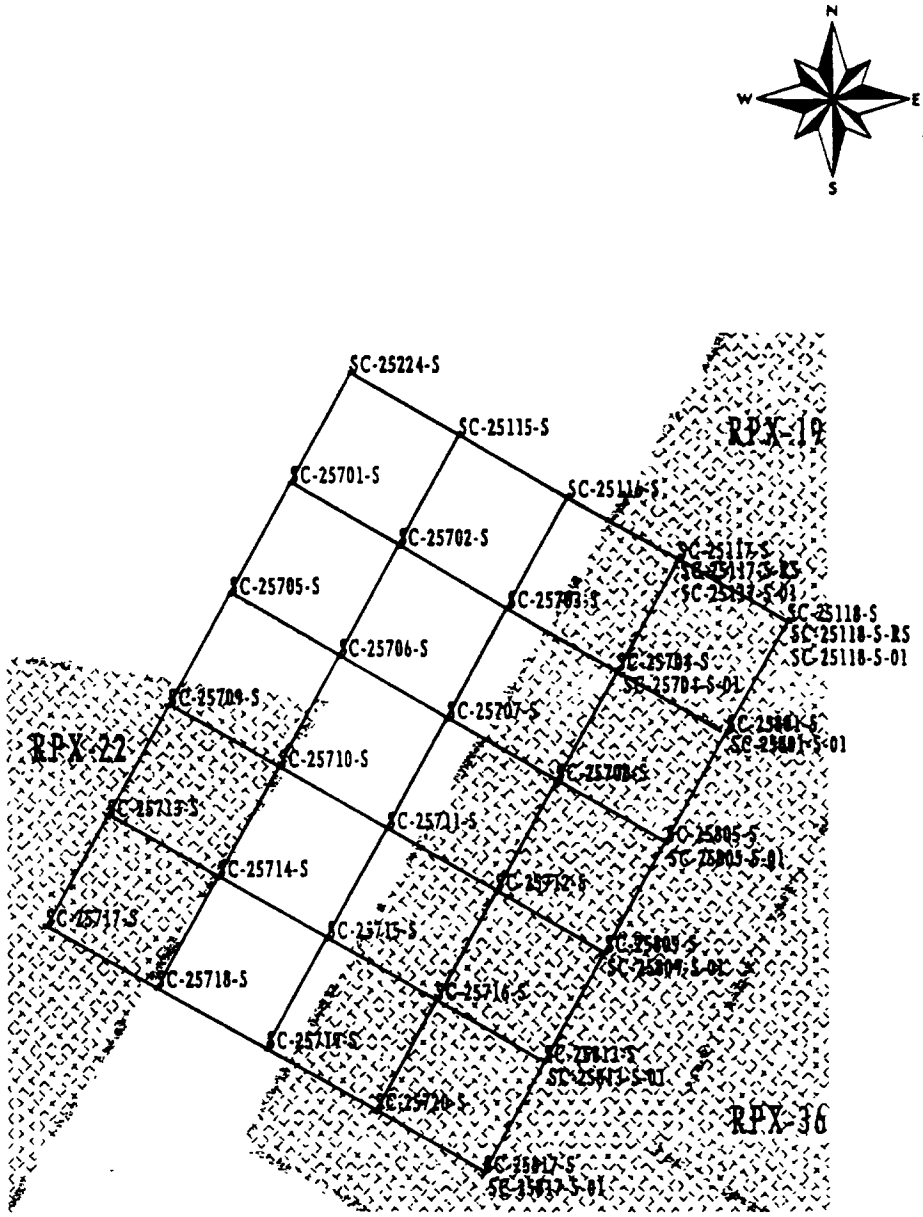
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	30	0.28 - 1.74	0.58	5	6.2	0	0
Ra-228	30	0.38 - 1.23	0.78	5	6.2	0	0
Total Radium	30	0.66 - 2.19	1.36	5	6.2	0	0
Th-230	30	0.82 - 1.44	1.09	5	6.2	0	0
Th-232	30	0.39 - 1.26	0.80	5	6.2	0	0
U-238	30	1.18 - 9.13	5.21	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



NOTE: SAMPLES SC-25118-S-HS01 THROUGH SC-25118-S-HS04, ARE SET APPROXIMATELY 2.5 METERS FROM SC-25118-S

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021 Confirmation Unit CU257

Figure: 4-38

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE 02/04/02	

Table 4 - 38 Summary of CU257

CU 257 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-38

DATE RELEASED FOR UNRESTRICTED USE: 10/ 28/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents portions of both Raffinate Pits 3 and 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 23,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *01/29/99; 07/23/99; 09/25/99; 10/07/99; 10/18/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned grid points represent RPX-19 and RPX-22. (2) Three hotspots were identified. Two Th-230 hotspots were located at SC-25117-S and SC-25118-S. Both areas were excavated and resampled. One total Ra/Th-230 hotspot was located at SC-25704-S. This area was excavated to the RPX-19 design elevation (1954 topo) and then resampled. The resample ID was given the '-01' suffix instead of an '-RS' to be consistent with the identification of other 54-topo samples. (3) All final results are below criteria.*

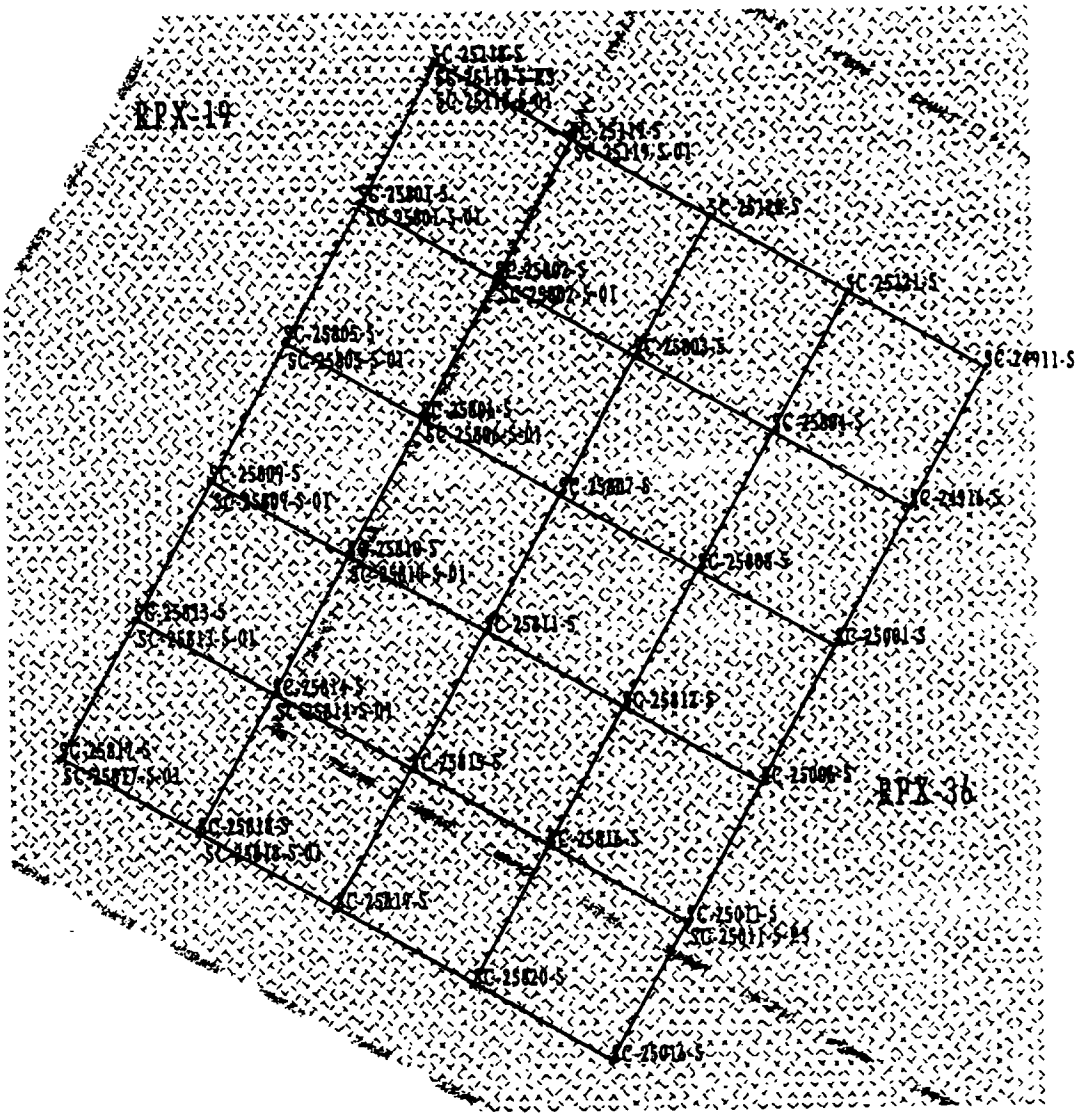
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	37	0.26 - 1.11	0.73	5	6.2	0	0
Ra-228	37	0.43 - 1.62	0.97	5	6.2	0	0
Total Radium	37	0.72 - 2.73	1.71	5	6.2	0	0
Th-230	37	0.76 - 3.70	1.24	5	6.2	0	0
Th-232	37	0.44 - 1.66	0.99	5	6.2	0	0
U-238	37	1.17 - 64.8	4.19	30	120	1	0

NOTE: Radiological contaminants are listed in pCi/g.



NOTE: SAMPLES SC-25118-S-HS01 THROUGH SC-25118-S-HS04.
ARE SET APPROXIMATELY 2.5 METERS FROM SC-25118-S

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021

Confirmation Unit CU258

Figure: 4-39

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 01/17/02	

Table 4 - 39 Summary of CU258

CU 258 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-39

DATE RELEASED FOR UNRESTRICTED USE: 09/ 30/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southwest corner of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 5,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *04/27/99; 06/04/99; 06/11/99; 06/15/99; 06/17/99; 07/23/99; 09/27/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned grid points represent RPX-19 and RPX-36. (2) Two hotspots were identified. The first was a Th-230 hotspot at SC-25118-S. The hotspot was sampled around to determine the size. It failed the hotspot rule. The area was excavated and resampled. The second was a total radium/Th-230 hotspot at SC-25011-S. This area was excavated and resampled. (3) All final results are below criteria.*

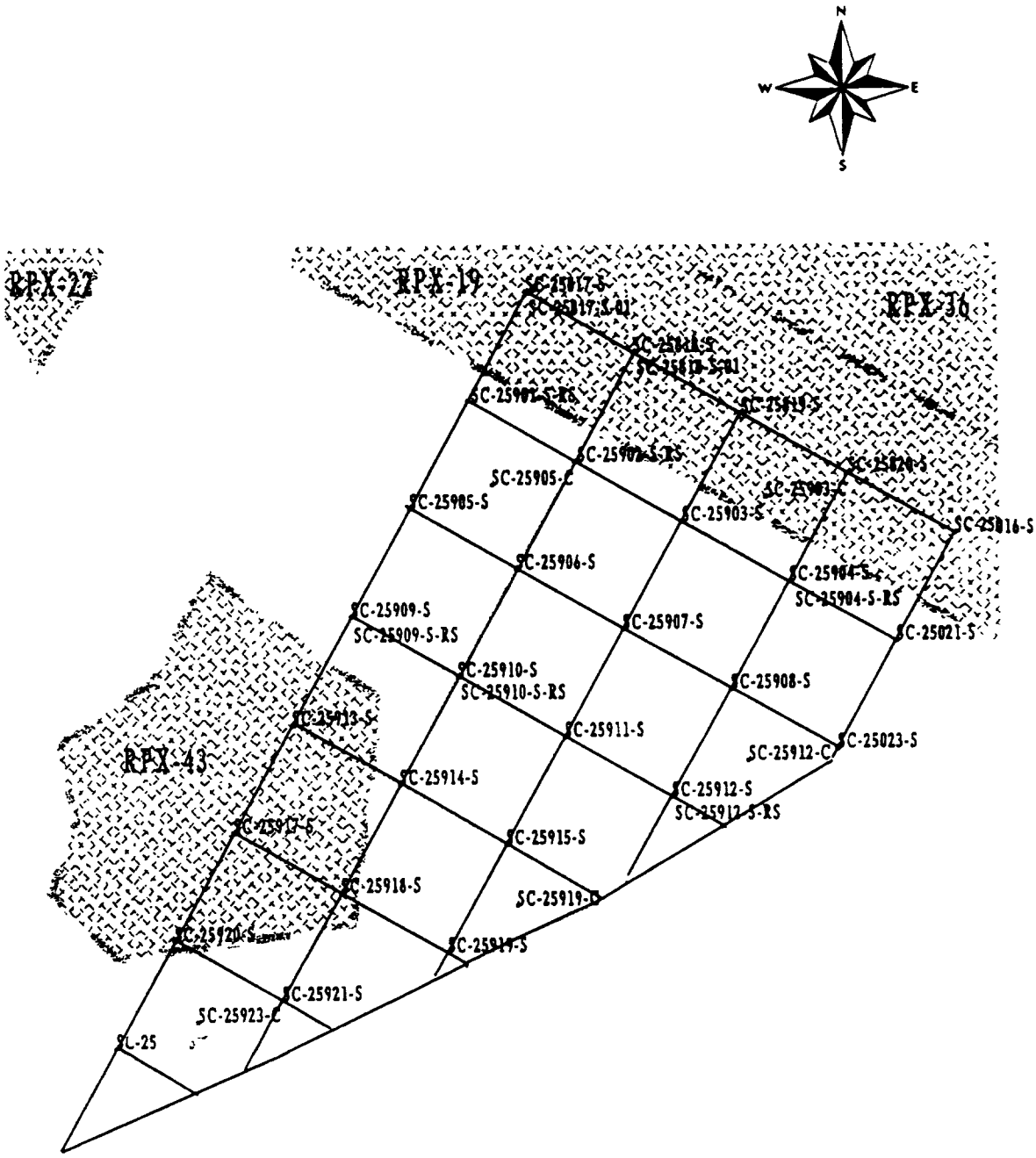
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	42	0.28 - 1.14	0.77	5	6.2	0	0
Ra-228	42	0.44 - 1.41	0.92	5	6.2	0	0
Total Radium	42	0.77 - 2.34	1.68	5	6.2	0	0
Th-230	42	0.76 - 5.56	1.59	5	6.2	1	0
Th-232	42	0.45 - 1.45	0.94	5	6.2	0	0
U-238	42	0.86 - 4.76	1.40	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU259

Figure: 4-40

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO:	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/04/02	

Table 4 - 40 Summary of CU259

CU 259 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	X
			TNT	

Reference Figure: 4-40

DATE RELEASED FOR UNRESTRICTED USE: 11/ 09/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents an area south of Raffinate Pit 3.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 6,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/04/99; 07/03/99; 09/27/99; 10/12/99; 10/25/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 33

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned grid points represent RPX-19 (1954 topo) and RPX-43. (2) Two locations (SC-25901-S-RS and SC-25902-S-RS) were mistakenly given the suffix of '-RS' which identifies them as resamples. These locations were only sampled once and should have been identified with the original ID (SC-25901-S and SC-25902-S). (3) Four Th-230 hotspots were identified at SC-25904-S; SC-25909-S; SC-25910-S; and SC-25912-S. These areas were further excavated and resampled. (4) All final results are below criteria.*

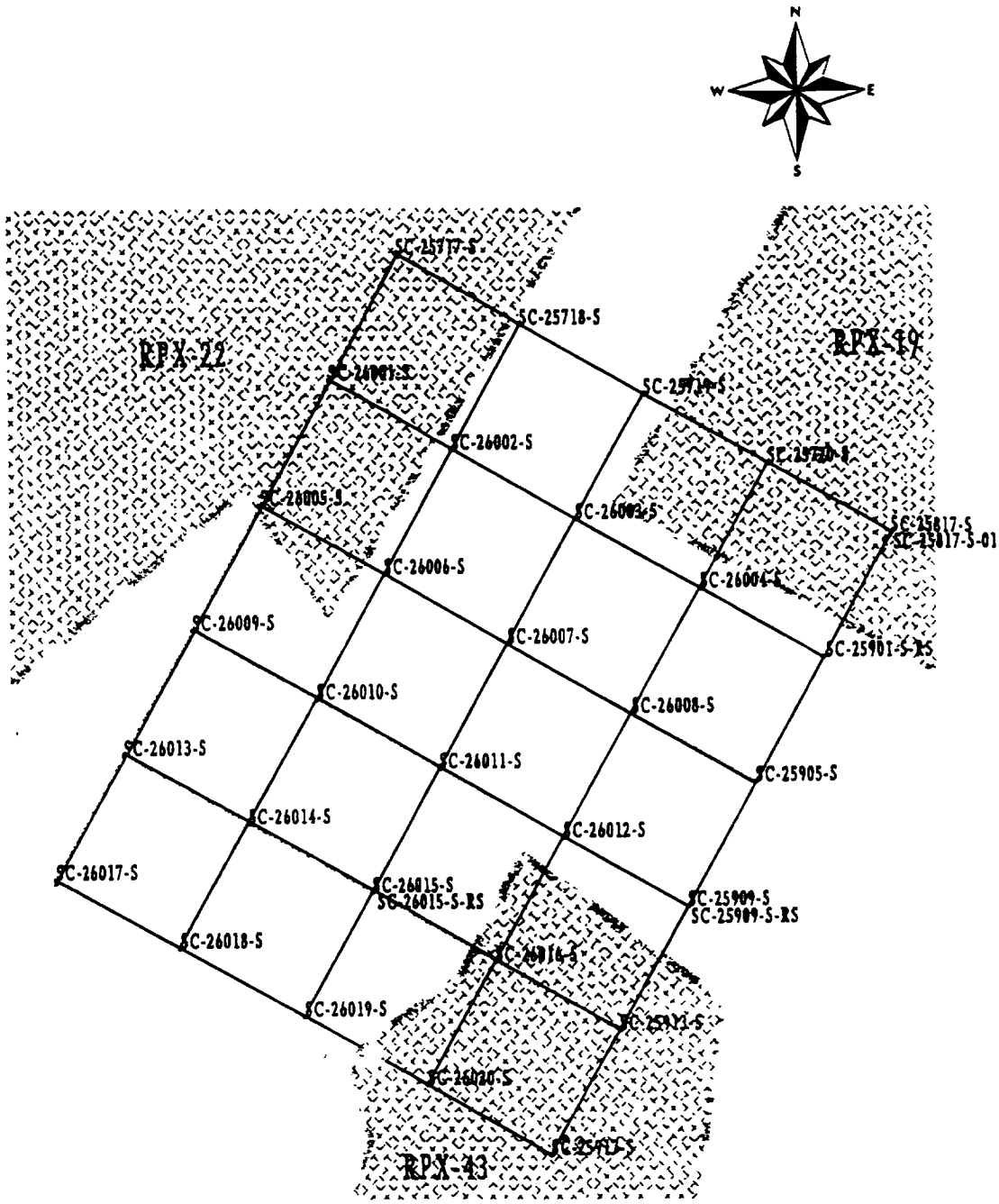
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	35	0.26 - 1.23	0.81	5	6.2	0	0
Ra-228	35	0.44 - 1.40	0.85	5	6.2	0	0
Total Radium	35	0.70 - 2.29	1.66	5	6.2	0	0
Th-230	35	0.74 - 5.56	1.48	5	6.2	1	0
Th-232	35	0.45 - 1.44	0.87	5	6.2	0	0
U-238	35	1.23 - 1.59	1.34	30	120	0	0
PCB	4	results < detection limit	N/A	0.65	8	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU260

Figure: 4-41

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO ·	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE 02/04/02	

Table 4 - 41 Summary of CU260

CU 260 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	X
			TNT	

Reference Figure: 4-41

DATE RELEASED FOR UNRESTRICTED USE: 11/ 09/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents southern areas the Raffinate Pits Work Zone.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 8,000 - 11,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *10/11/99; 10/12/99; 10/19/99; 10/25/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned grid points represent RPX-19 (1954 topo), RPX-22 and RPX-43. (2) Location SC-25901-S was mistakenly given the suffix of '-RS' which identifies it as a resample. This location was sampled only once and should have been identified with the original ID (SC-25901-S). (3) Two Th-230 hotspots were identified at SC-25909-S and SC-26015-S. These areas were further excavated and resampled. (4) All final results are below criteria.*

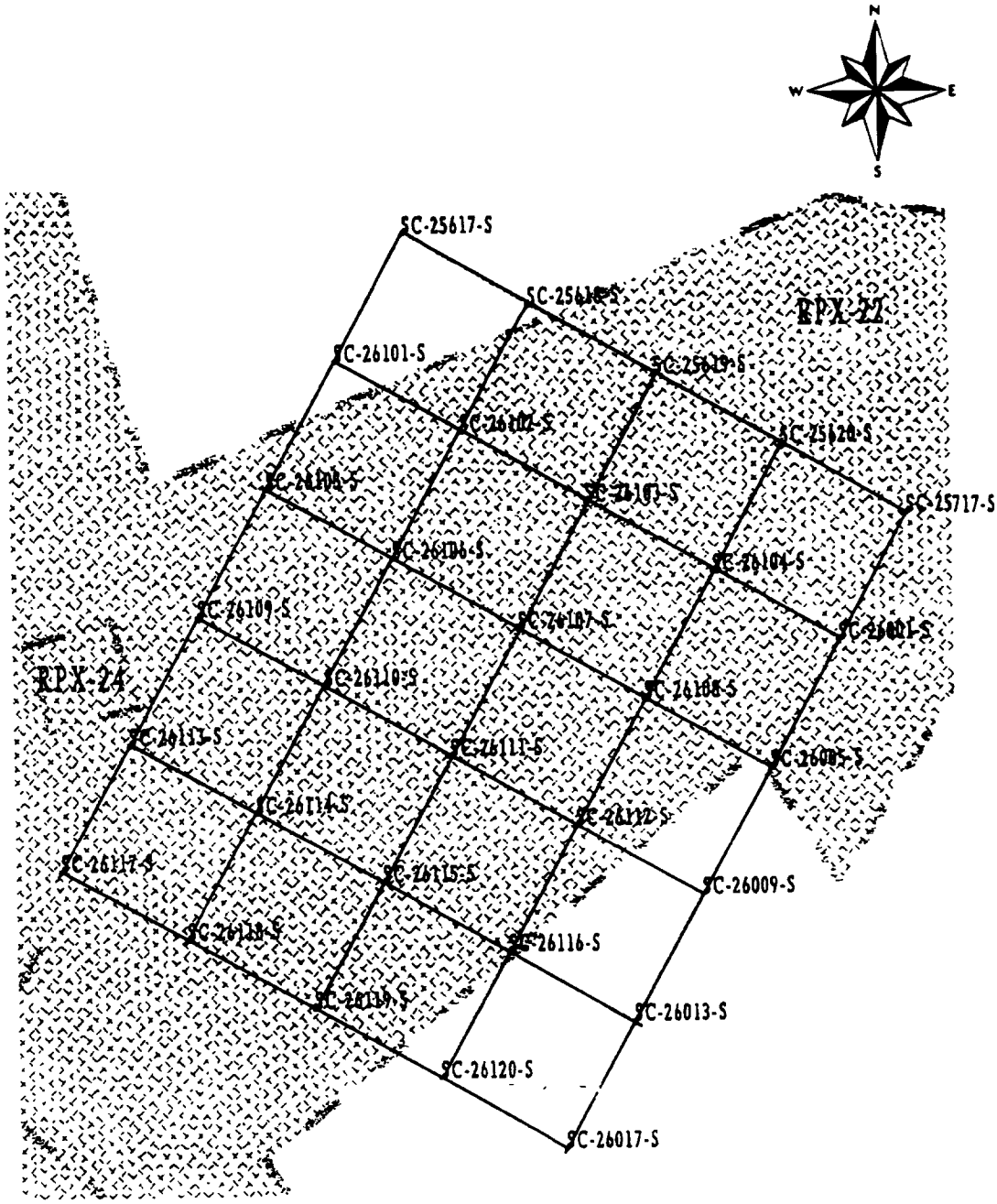
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	31	0.26 - 1.32	0.68	5	6.2	0	0
Ra-228	31	0.42 - 1.96	1.01	5	6.2	0	0
Total Radium	31	0.68 - 3.28	1.68	5	6.2	0	0
Th-230	31	0.72 - 3.75	1.47	5	6.2	0	0
Th-232	31	0.43 - 2.01	1.04	5	6.2	0	0
U-238	31	1.14 - 64.8	3.75	30	120	1	0
PCB	4	0.0 - 0.54	0.14	0.65	8	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU261

Figure: 4-42

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGB	DATE: 01/10/02	

Table 4 - 42 Summary of CU261

CU 261 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-42

DATE RELEASED FOR UNRESTRICTED USE: 10/ 28/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 8,400 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *10/13/99; 10/19/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *Planned grid points represent RPX-22. All final results are below ALARA.*

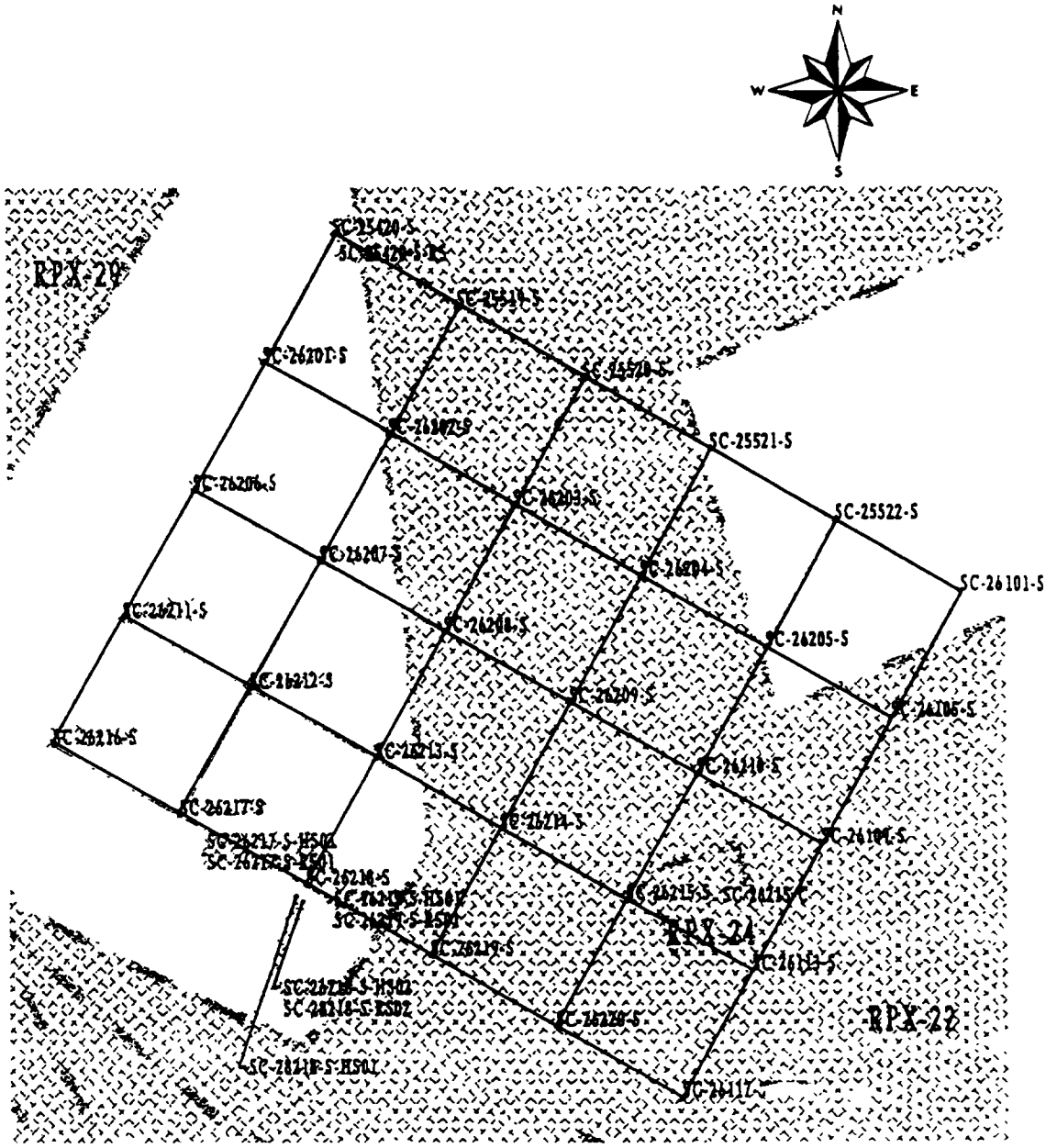
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	30	0.24 - 0.94	0.49	5	6.2	0	0
Ra-228	30	0.39 - 1.23	0.87	5	6.2	0	0
Total Radium	30	0.65 - 2.01	1.36	5	6.2	0	0
Th-230	30	0.73 - 1.96	1.09	5	6.2	0	0
Th-232	30	0.40 - 1.26	0.89	5	6.2	0	0
U-238	30	1.13 - 9.12	3.39	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021

Confirmation Unit CU262

Figure: 4-43

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	02/18/02

Table 4 - 43 Summary of CU262

CU 262 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-43

DATE RELEASED FOR UNRESTRICTED USE: 10/ 28/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *09/14/99; 10/07/99; 10/18/99; 10/20/99; 10/11/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 35

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned grid locations represent RPX-22.*
(2) Sample location SC-26215-C was added to represent RPX-24.
(3) All final results are below ALARA.

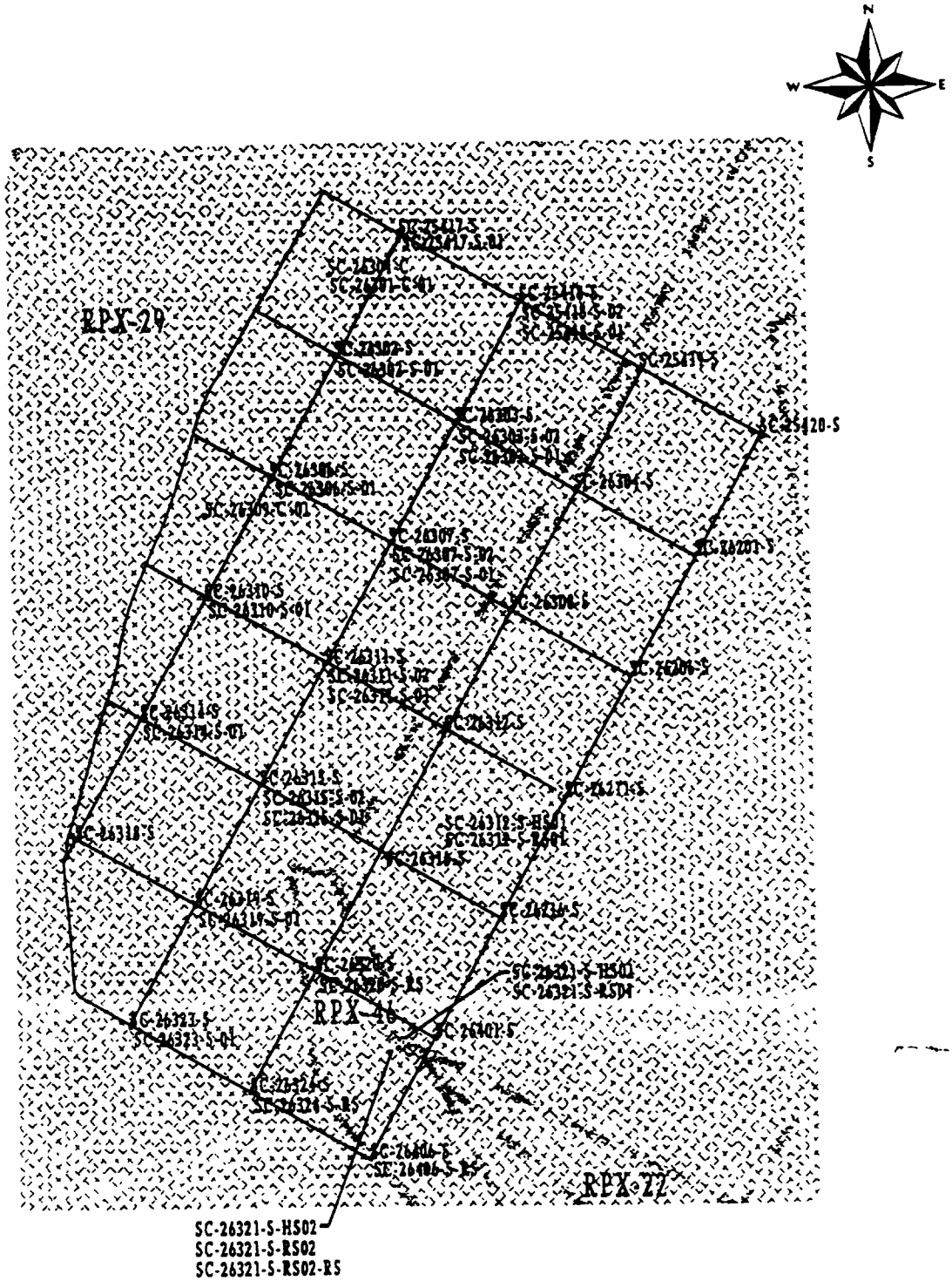
ORISE ACTION - *ORISE walked over CU262 on 10/01/99 and identified four locations with elevated readings. Two of these locations exceeded criteria for radium and thorium, the results for the other two locations were below ALARA. The first two locations were excavated and resampled. One of the locations (SC-26218-S-HS02) which had results below ALARA, was inadvertantly excavated and resampled. Resample results were used in the summary statistics. Final results were below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	35	0.26 - 0.96	0.54	5	6.2	0	0
Ra-228	35	0.42 - 1.33	0.89	5	6.2	0	0
Total Radium	35	0.70 - 2.06	1.43	5	6.2	0	0
Th-230	35	0.65 - 3.45	1.25	5	6.2	0	0
Th-232	35	0.43 - 1.36	0.91	5	6.2	0	0
U-238	35	1.09 - 14.5	2.79	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021

Confirmation Unit CU263

Figure: 4-44

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	02/18/02

Table 4 - 44 Summary of CU263

CU 263 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4-44

DATE RELEASED FOR UNRESTRICTED USE: 11/ 24/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 35,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *10/02/98; 08/30/99; 09/14/99; 09/28/99; 10/07/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 32

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned grid locations represent RPX-28 and RPX-29 (1954 topo). (2) The original sample for location SC-26320-S inadvertently omitted PAH, therefore this location was resampled for PAH only. (3) Many locations were sampled three times: the original sampling event (in 1998 under WP-471), a second confirmation sampling event after finding contaminated material during clean excavation ('-RS' suffix), and again after completing the 1954 topo excavation ('-01' suffix).*
(4) All final results are below criteria.

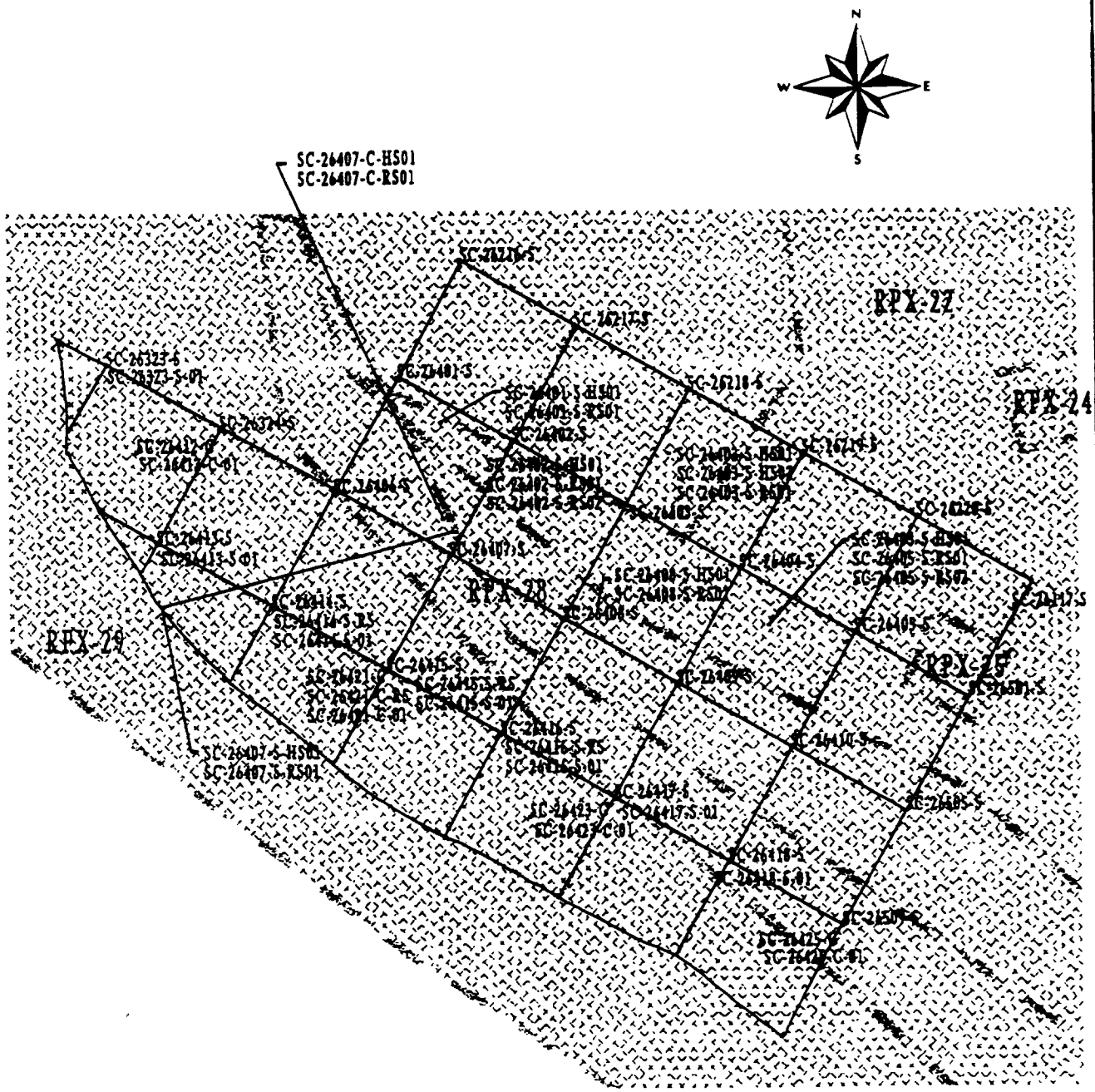
ORISE ACTION - *ORISE walked over CU263 on 10/01/99 and identified three locations with elevated readings. Two of these locations exceeded criteria for radium and thorium, the third one was a thorium hotspot. All three locations were excavated and resampled. Final results were below ALARA.*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	50	0.28 - 1.59	0.88	5	6.2	0	0
Ra-228	50	0.42 - 1.81	0.99	5	6.2	0	0
Total Radium	50	0.75 - 2.94	1.87	5	6.2	0	0
Th-230	50	0.69 - 2.55	1.08	5	6.2	0	0
Th-232	50	0.43 - 1.86	1.01	5	6.2	0	0
U-238	50	1.13 - 2.12	1.42	30	120	0	0
PAH	15	0.0 - 1.6	0.23	0.44	5.6	3	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



NOTE: SAMPLES SC-26403-S-HS02-HS01 THROUGH SC-26403-S-HS02-HS04, ARE SET APPROXIMATELY 2.5 METERS FROM SC-26403-S-HS02

150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021

Confirmation Unit CU264

Figure: 4-45

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 02/18/02	

Table 4 - 45 Summary of CU264

CU 264 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4-45

DATE RELEASED FOR UNRESTRICTED USE: 10/ 28/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *08/30/99; 09/14/99; 09/28/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 35

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned grid locations represent RPX-22, RPX-25, RPX-28, and RPX-29 (1954 topo).*
(2) Many locations were sampled three times: the original sampling event (in 1998 under WP-471), a second confirmation sampling event after finding contaminated material during clean excavation ('-RS' suffix), and again after completing the 54 topo excavation ('-01' suffix).
(3) All final results are below criteria, with the exception of the one ORISE hotspot identified (SC-26403-S-HS02) which exceeded criteria, but met the hotspot rule. See text below.

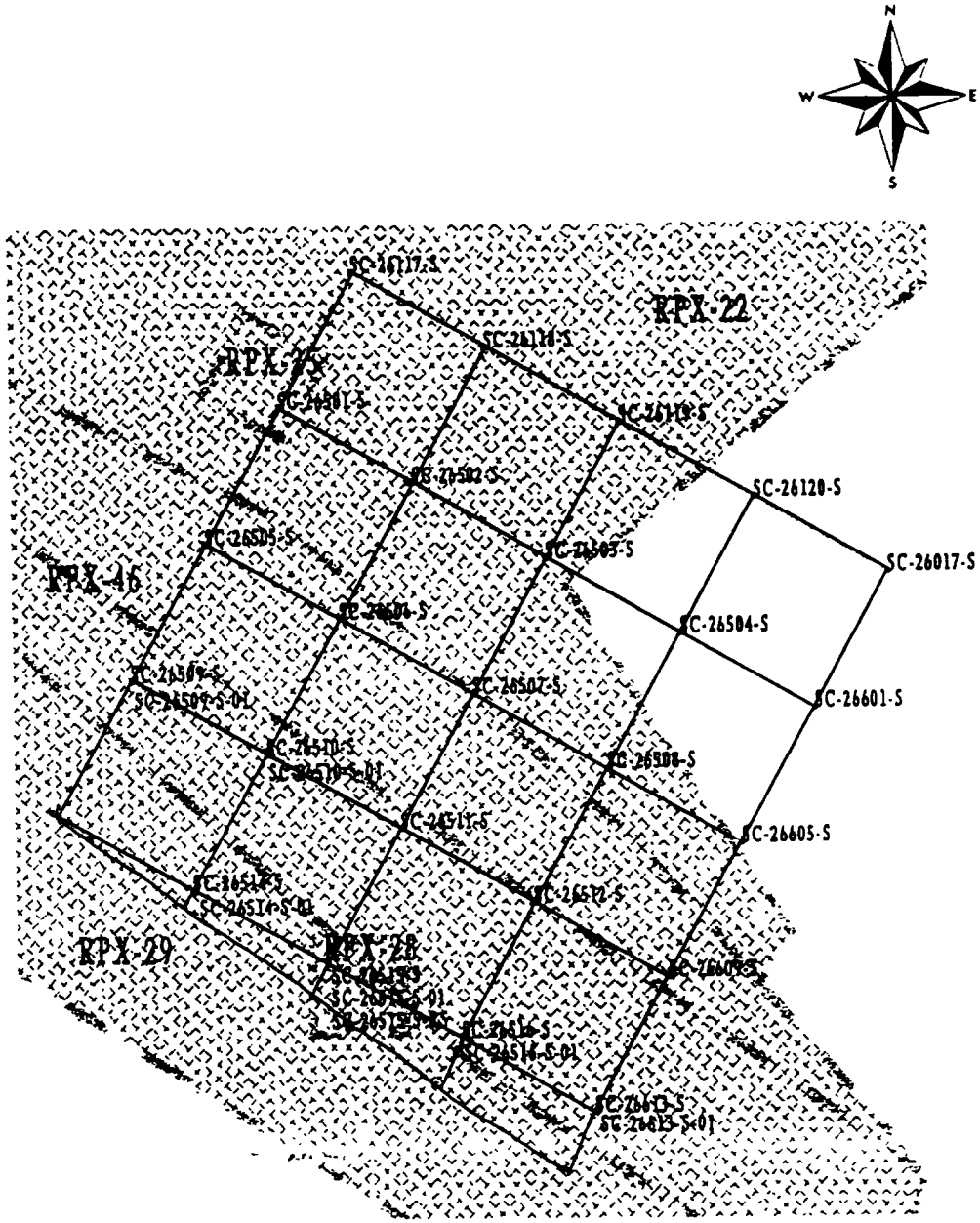
ORISE ACTION - *ORISE walked over CU264 on 10/01/99 and identified eight locations with elevated readings. All locations were sampled by the PMC. Seven of the eight locations exceeded criteria for radium and/or th-230. These areas were excavated and resampled. One location exceeded criteria but met the hotspot rule.*
The remaining location had results that were below ALARA The resample data has been included in the statistics.

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	51	0.28 - 1.52	0.74	5	6.2	0	0
Ra-228	51	0.33 - 2.63	0.96	5	6.2	0	0
Total Radium	51	0.75 - 3.54	1.70	5	6.2	0	0
Th-230	51	0.79 - 12.4	1.47	5	6.2	1	1
Th-232	51	0.34 - 2.70	0.98	5	6.2	0	0
U-238	51	1.13 - 8.18	1.62	30	120	0	0
PAH	24	results < detection limit	N/A	0.44	5.6	~0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU265

Figure: 4-46

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO ·	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	01/17/02

Table 4 - 46 Summary of CU265

CU 265 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4-46

DATE RELEASED FOR UNRESTRICTED USE: 07/ 25/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *08/30/99; 09/14/99; 09/28/99; 10/19/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 24

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned confirmation gnd points represent RPX-22, RPX-25, RPX-28, RPX-29, and RPX-46 RPX-29 (1954 topo) samples are identified with the added suffix '-01.'*
(2) All final results are below criteria

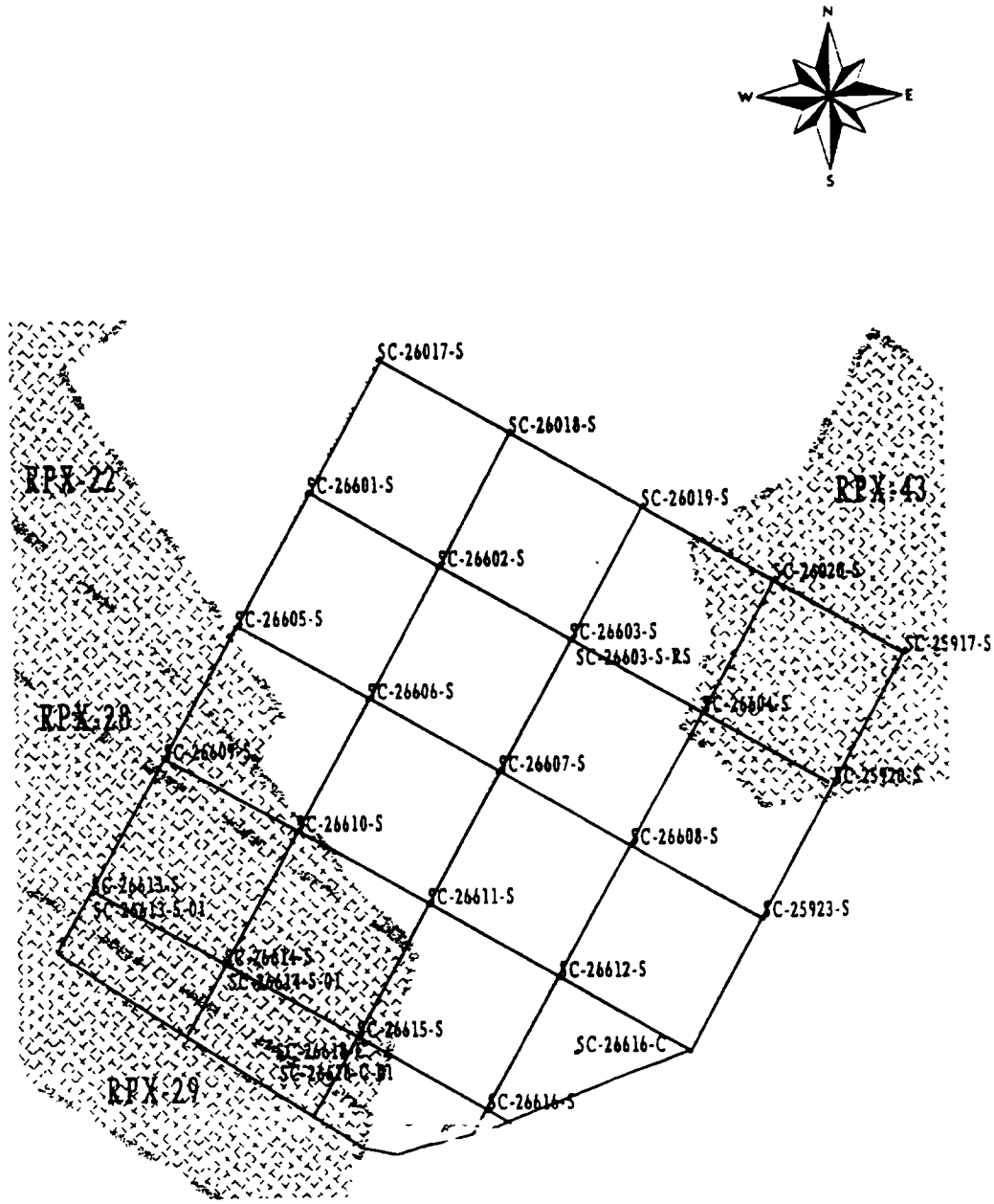
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

[illegible]	[illegible] SAMPLES	CONCENTRATION RANGE	AVERAGE CONCENTRATION	[illegible]	[illegible]	[illegible]	[illegible] CRITERIA
Ra-226	31	0.22 - 1.23	0.75	5	6.2	0	0
Ra-228	31	0.41 - 1.40	0.94	5	6.2	0	0
Total Radium	31	0.78 - 2.36	1.69	5	6.2	0	0
Th-230	31	0.79 - 6.07	1.49	5	6.2	1	0
Th-232	31	0.42 - 1.44	0.96	5	6.2	0	0
U-238	31	0.85 - 5.66	1.69	30	120	0	0
PAH	15	0.0 - 0.76	0.08	0.44	5.6	1	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021

Confirmation Unit CU266

Figure: 4-47

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO	
ORIGINATOR MGL	DRAWN BY LGE	DATE 02/04/02	

Table 4 - 47 Summary of CU266

CU 266 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	X
			TNT	

Reference Figure: 4-47

DATE RELEASED FOR UNRESTRICTED USE: 11/ 10/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 8,000 - 12,000 cpm

(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *08/30/99; 09/28/99; 10/12/99; 10/19/99; 10/25/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 25

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation gnd points represent RPX-22, RPX-28, RPX-29, and RPX-43. RPX-29 (1954 topo) samples are identified with the added suffix '-01.'*
(2) One Th-230 hotspot was identified at SC-26603-S The hotspot was excavated and resampled.
(3) All final results are below criteria.

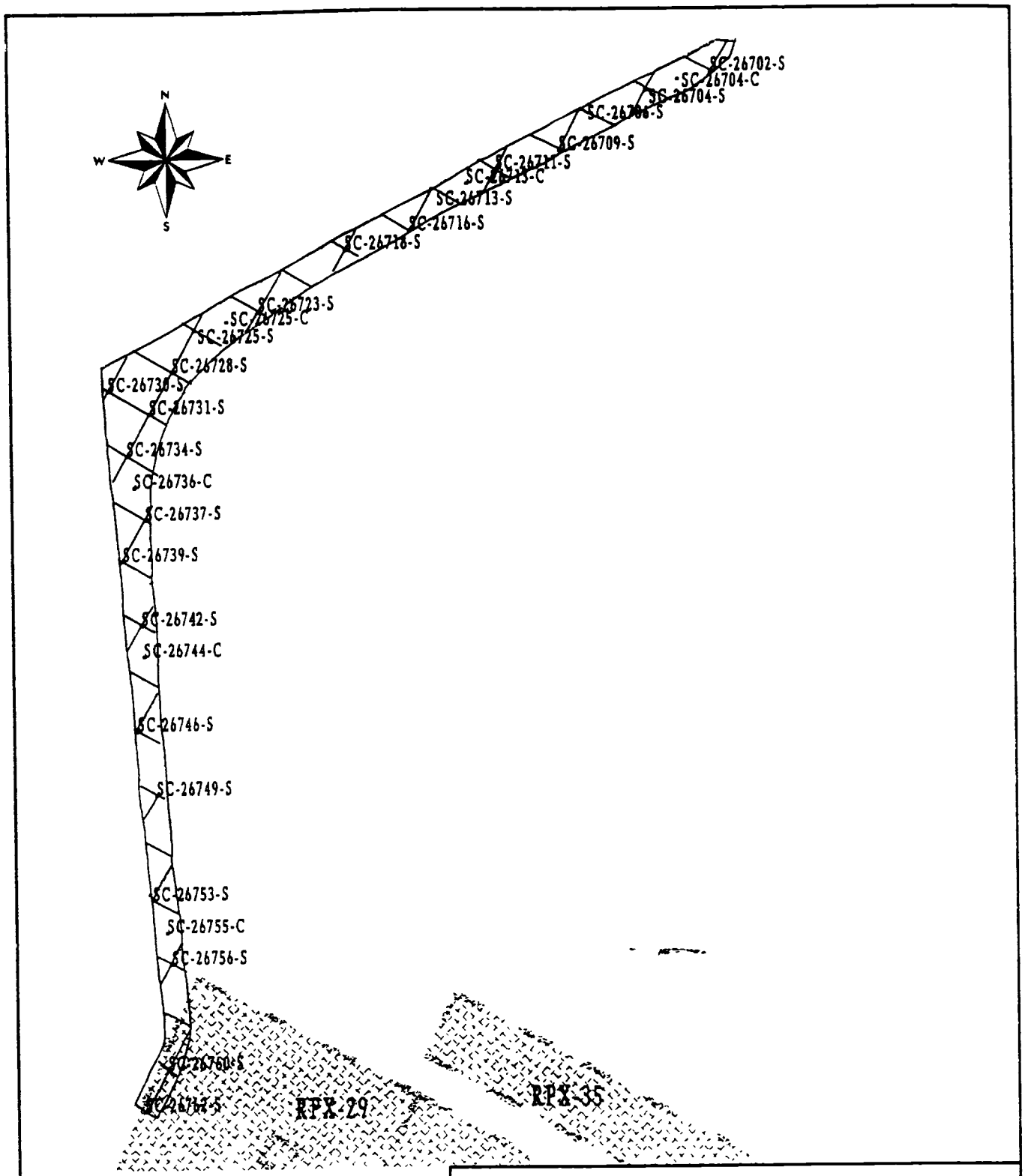
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ra-226	28	0.29 - 1.24	0.85	5	6.2	0	0
Ra-228	28	0.41 - 1.46	0.98	5	6.2	0	0
Total Radium	28	0.82 - 2.48	1.83	5	6.2	0	0
Th-230	28	0.85 - 5.37	1.49	5	6.2	1	0
Th-232	28	0.42 - 1.50	1.00	5	6.2	0	0
U-238	28	1.17 - 1.59	1.32	30	120	0	0
PCB	4	results < detection limit	N/A	0.65	8	0	0
PAH	7	0.0 - 0.81	0.12	0.44	5.6	1	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU267

Figure: 4-48

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO	
ORIGINATOR: MGL	DRAWN BY: LGB	DATE 01/10/02	

Table 4 - 48 Summary of CU267

CU 267 RU 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	X
		PCB	
		TNT	

Reference Figure: 4-48

DATE RELEASED FOR UNRESTRICTED USE: 07/ 26/00

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents an area west of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 7,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *10/28/99; 10/29/99; 07/13/00*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 29

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [ ] YES [X] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-29.*
(2) All final results are below criteria.

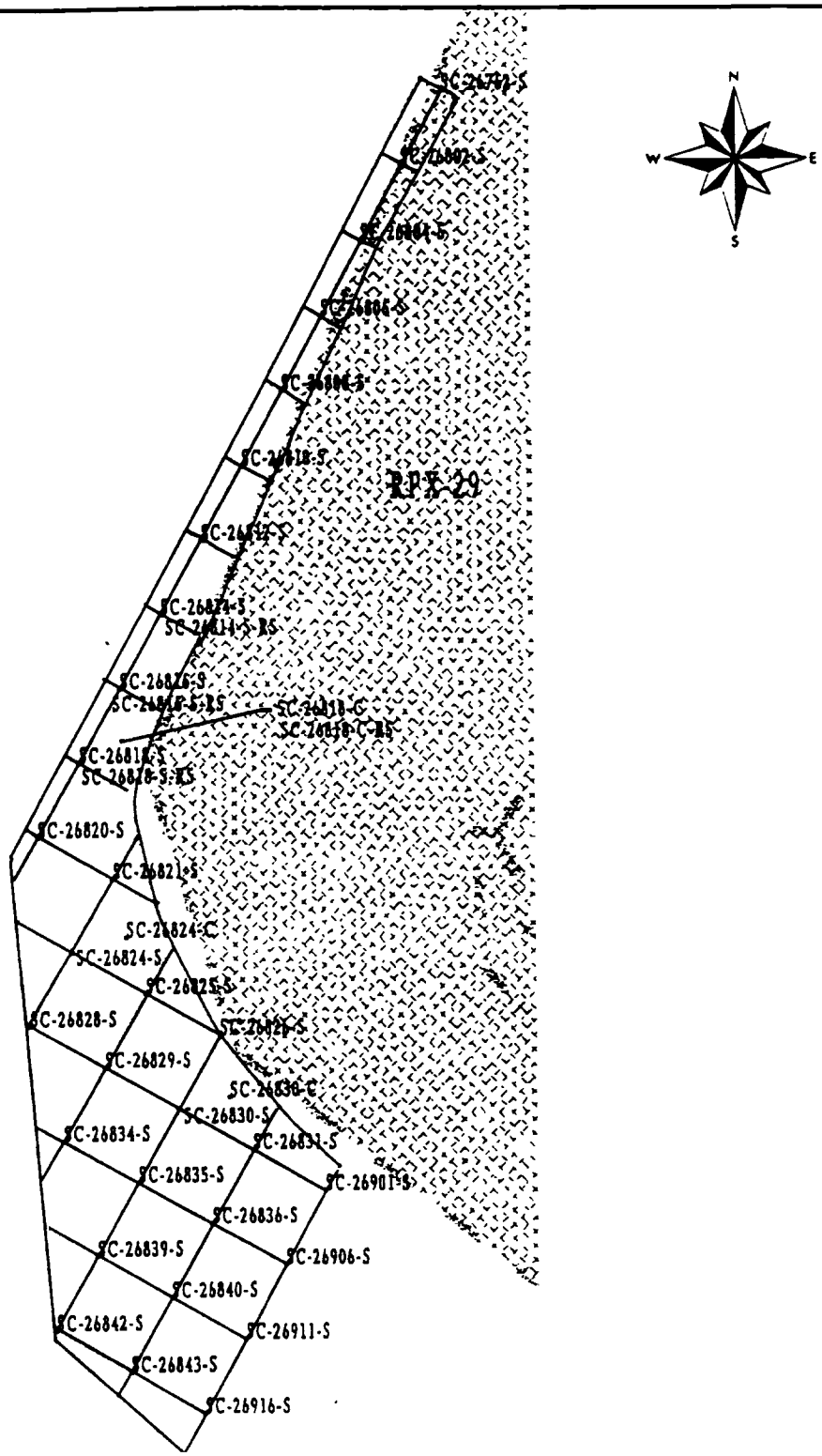
ORISE ACTION - *None.*

ALARA COMMITTEE ACTION - *Preliminary PAH data average exceeds ALARA for this CU. The ALARA committee met on 11/10/99. The number of CUs having PAH average below ALARA far outnumber CUs averaging above ALARA. Committee decision was to release the CU.*

CU SUMMARY DATA

Ra-226	29	0.26 - 0.97	0.69	5	6.2	0	0
Ra-228	29	0.29 - 1.14	0.67	5	6.2	0	0
Total Radium	29	0.60 - 2.11	1.36	5	6.2	0	0
Th-230	29	0.87 - 2.76	1.34	5	6.2	0	0
Th-232	29	0.30 - 1.17	0.69	5	6.2	0	0
U-238	29	1.00 - 1.87	1.16	30	120	0	0
PAH	2	0.24 - 1.20	0.72	0.44	5.6	1	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU268

Figure: 4-49

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	01/17/02

Table 4 - 49 Summary of CU268

CU 268 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4-49

DATE RELEASED FOR UNRESTRICTED USE: 11/ 16/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents an area west of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 7,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/24/99; 10/28/99; 10/29/99; 11/01/99; 11/02/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 33

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Four locations (SC-26814-S; SC-26816-S; SC-26818-C; and SC-26818-S) were not sampled for PAHs during the original sampling event, therefore PAH samples were collected a few days later. These samples are identified with the suffix "-RS."*
(2) All final results are below criteria.

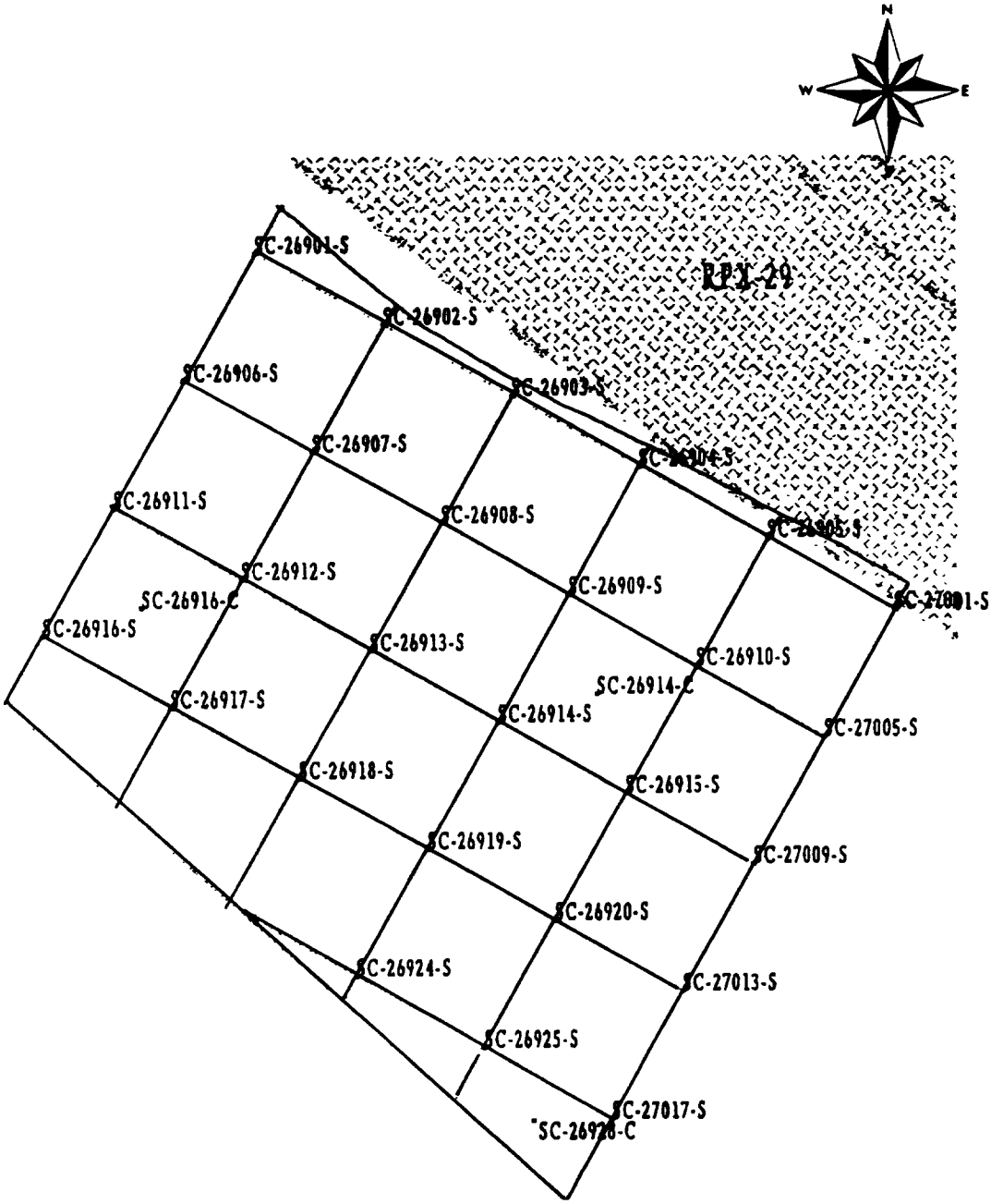
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	33	0.20 - 1.06	0.68	5	6.2	0	0
Ra-228	33	0.16 - 1.18	0.66	5	6.2	0	0
Total Radium	33	0.45 - 2.18	1.34	5	6.2	0	0
Th-230	33	0.74 - 1.86	1.36	5	6.2	0	0
Th-232	33	0.16 - 1.21	0.68	5	6.2	0	0
U-238	33	0.53 - 2.61	1.3	30	120	0	0
PAH	11	0.0 - 1.2	0.2	0.44	5.6	2	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU269

Figure: 4-50

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO ·	
ORIGINATOR: MGL	DRAWN BY: LGB	DATE	01/10/02

Table 4 - 50 Summary of CU269

CU 269 RU 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	
		PCB	
		TNT	

Reference Figure: 4-50

DATE RELEASED FOR UNRESTRICTED USE: 07/ 08/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m^2 < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents an area south of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/24/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : *30*

TOTAL # OF UTILITY SAMPLES : *0*

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *All final results are below criteria.*

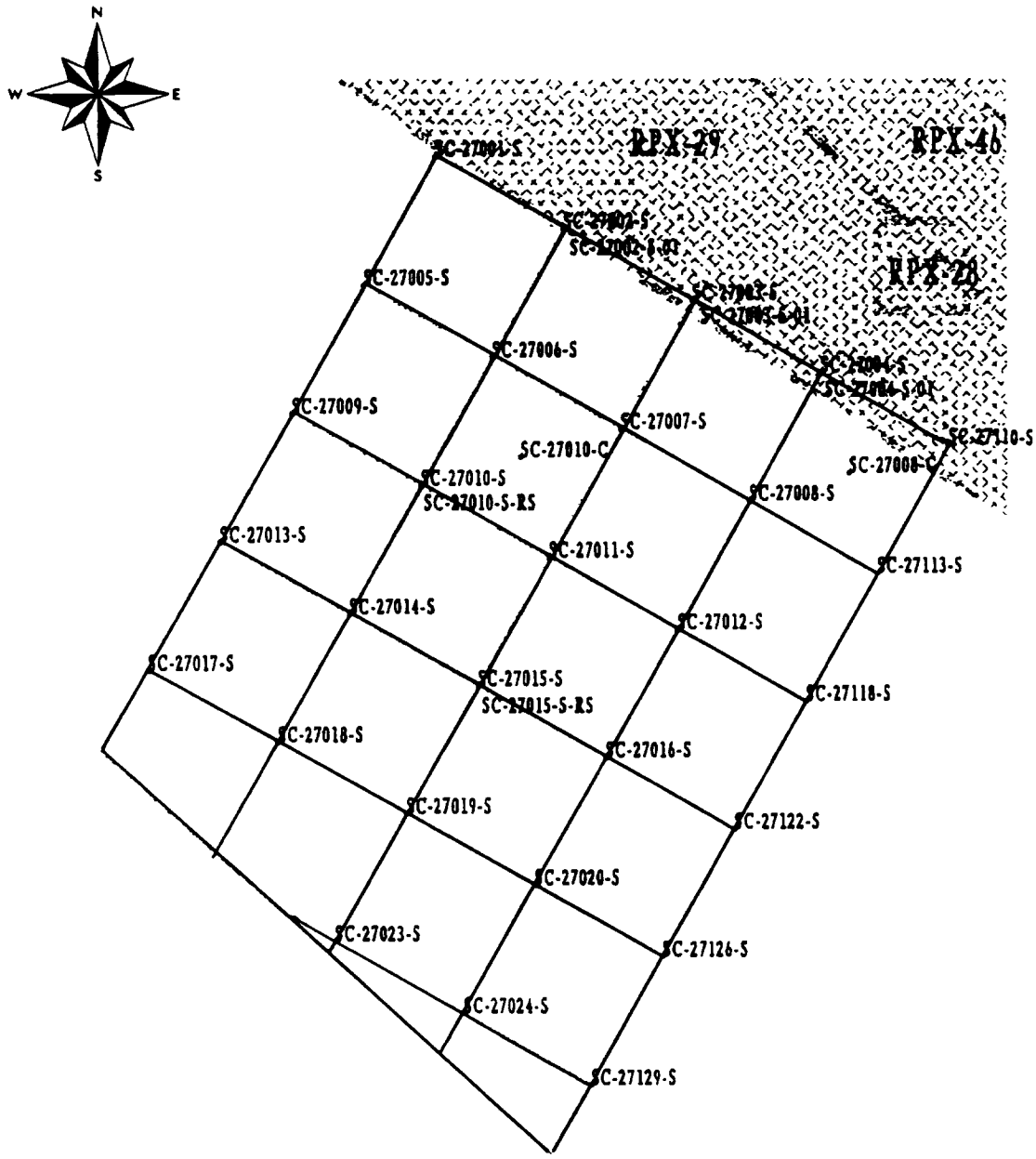
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	30	0.29 - 1.06	0.75	5	6.2	0	0
Ra-228	30	0.35 - 1.43	0.89	5	6.2	0	0
Total Radium	30	0.78 - 2.27	1.65	5	6.2	0	0
Th-230	30	0.98 - 5.23	1.7	5	6.2	1	0
Th-232	30	0.36 - 1.47	0.91	5	6.2	0	0
U-238	30	1.08 - 4.94	1.51	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU270

Figure: 4-51

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	01/17/02

Table 4 - 51 Summary of CU270

CU 270 RU 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	X
		PCB	
		TNT	

Reference Figure: 4-51

DATE RELEASED FOR UNRESTRICTED USE: 10/ 12/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents an area south of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 10,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/24/99; 09/28/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 30

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-29 (1954 topo).*
(2) Two Th-230 hotspots were identified at SC-27010-S and SC-27015-S. These areas were further excavated and resampled.
(3) All final results are below criteria.

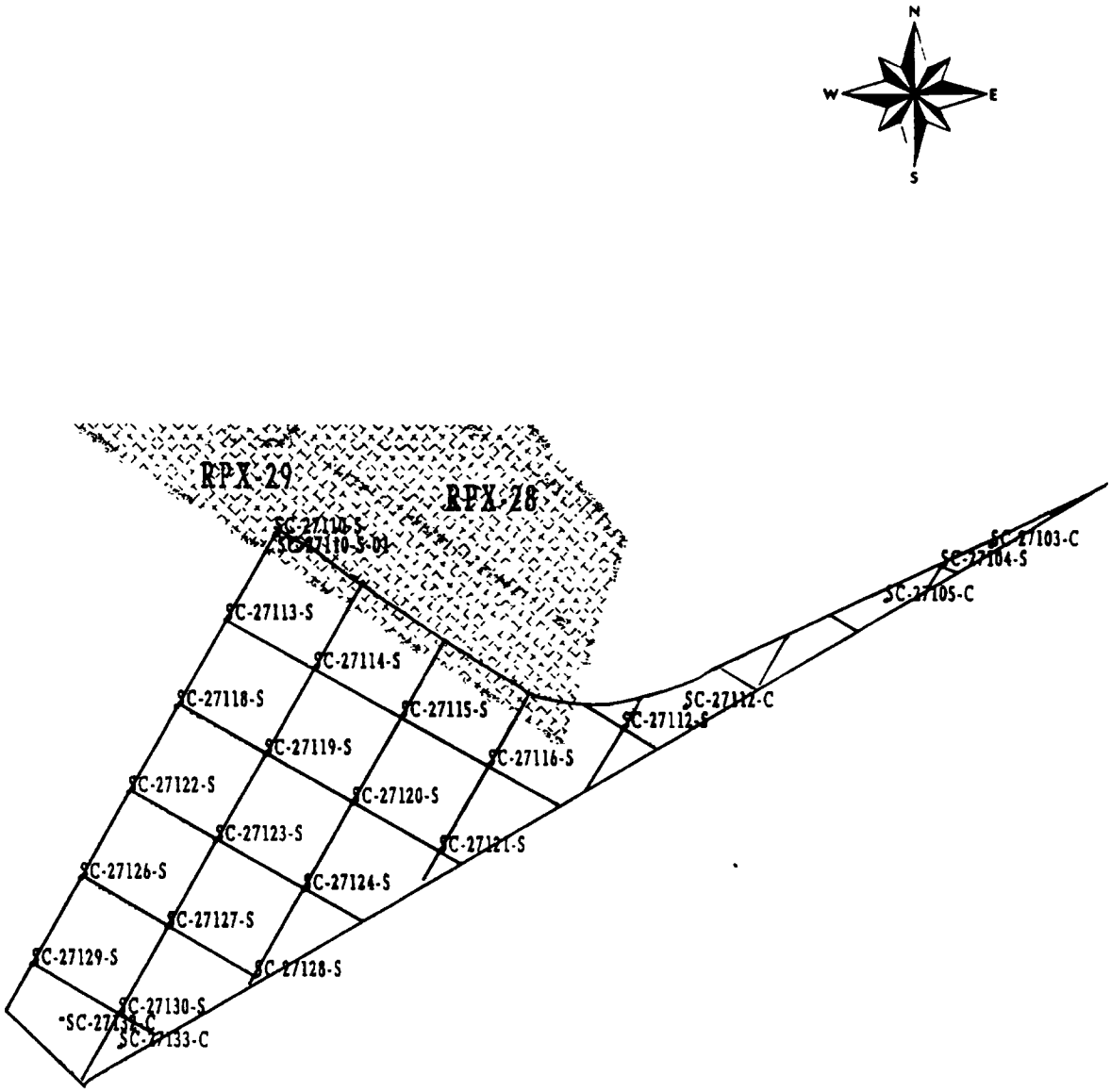
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	34	0.29 - 1.1	0.76	5	6.2	0	0
Ra-228	34	0.44 - 1.32	0.77	5	6.2	0	0
Total Radium	34	0.74 - 2.37	1.53	5	6.2	0	0
Th-230	34	0.94 - 6.19	2.26	5	6.2	2	0
Th-232	34	0.45 - 1.35	0.79	5	6.2	0	0
U-238	34	1.1 - 2.16	1.34	30	120	0	0
PAH	4	results < detection limit	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU271

Figure: 4-52

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO:	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE 01/14/02	

Table 4 - 52 Summary of CU271

CU 271 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4-52

DATE RELEASED FOR UNRESTRICTED USE: 11/ 12/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents an area south of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 7,000 - 10,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *06/24/99; 07/12/99; 09/28/99; 10/25/99; 11/05/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 24

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-29 (1954 topo).*
(2) All final results are below ALARA.

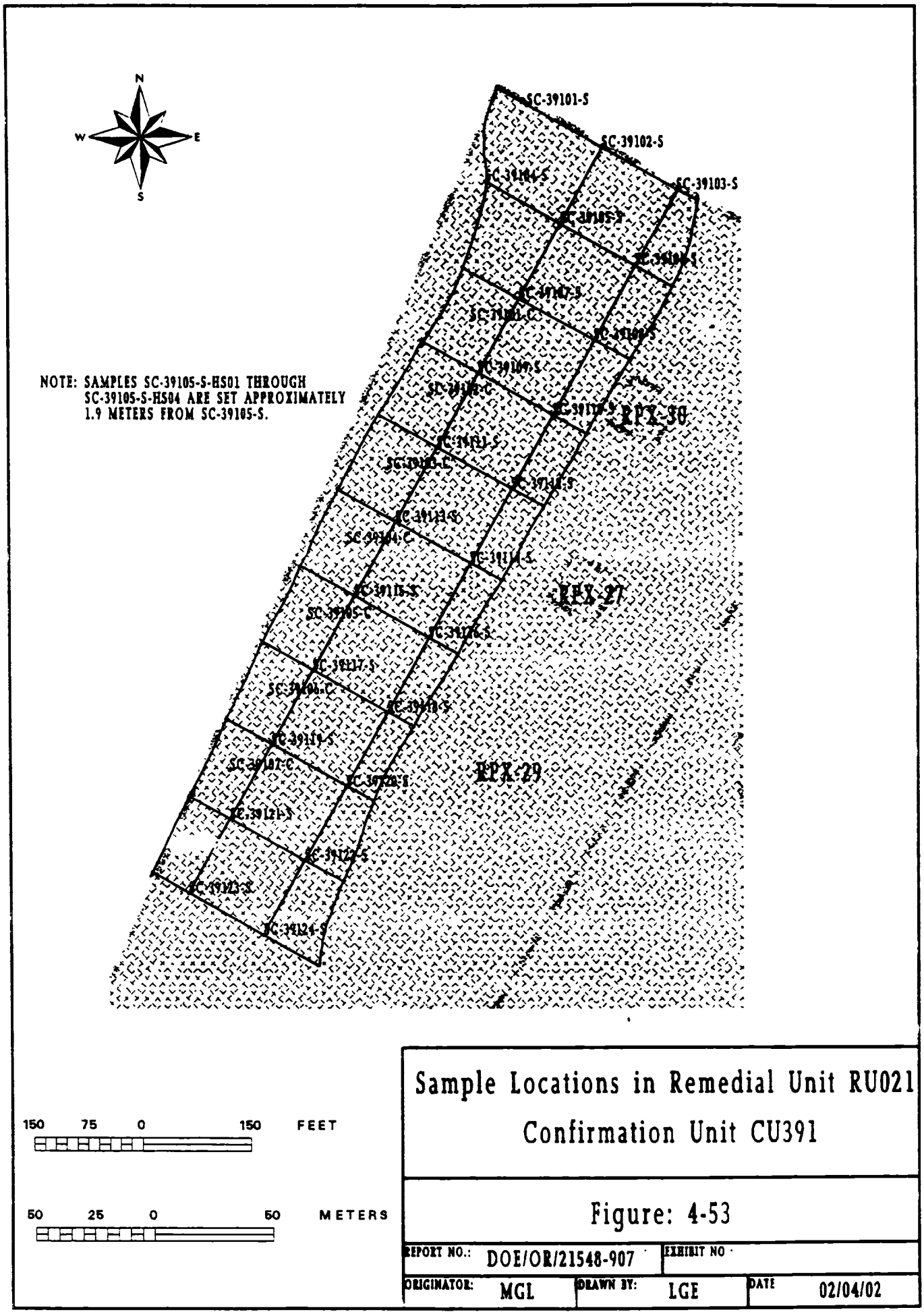
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	25	0.31 - 1.08	0.85	5	6.2	0	0
Ra-228	25	0.40 - 1.32	0.76	5	6.2	0	0
Total Radium	25	0.71 - 2.37	1.61	5	6.2	0	0
Th-230	25	0.78 - 4.29	1.93	5	6.2	0	0
Th-232	25	0.41 - 1.35	0.78	5	6.2	0	0
U-238	25	1.1 - 2.67	1.38	30	120	0	0
PAH	1	0	N/A	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



Sample Locations in Remedial Unit RU021
Confirmation Unit CU391

Figure: 4-53

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	02/04/02

Table 4 - 53 Summary of CU391

CU 391 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	X
			PCB	
			TNT	

Reference Figure: 4-53

DATE RELEASED FOR UNRESTRICTED USE: 11/ 05/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the western berm of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 7,000 - 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *09/28/99; 10/28/99; 10/07/99; 11/01/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 31

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [X] YES [ ] NO

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-29. (2) CU391 was created to confirm the portion of RPX-29 on the west berm of raffinate pit 4 that was not previously covered by an existing confirmation unit. The IOC discussing the creation of CU391 has been included in Appendix D. (3) One Th-230 hotspot was identifed at SC-39105-S. Samples collected around the location determined the hotspot size met the hotspot rule (calculation presented in Appendix E). No further excavation was required. (4) All final results are below Criteria with the exception of the Th-230 hotspot mentioned above.*

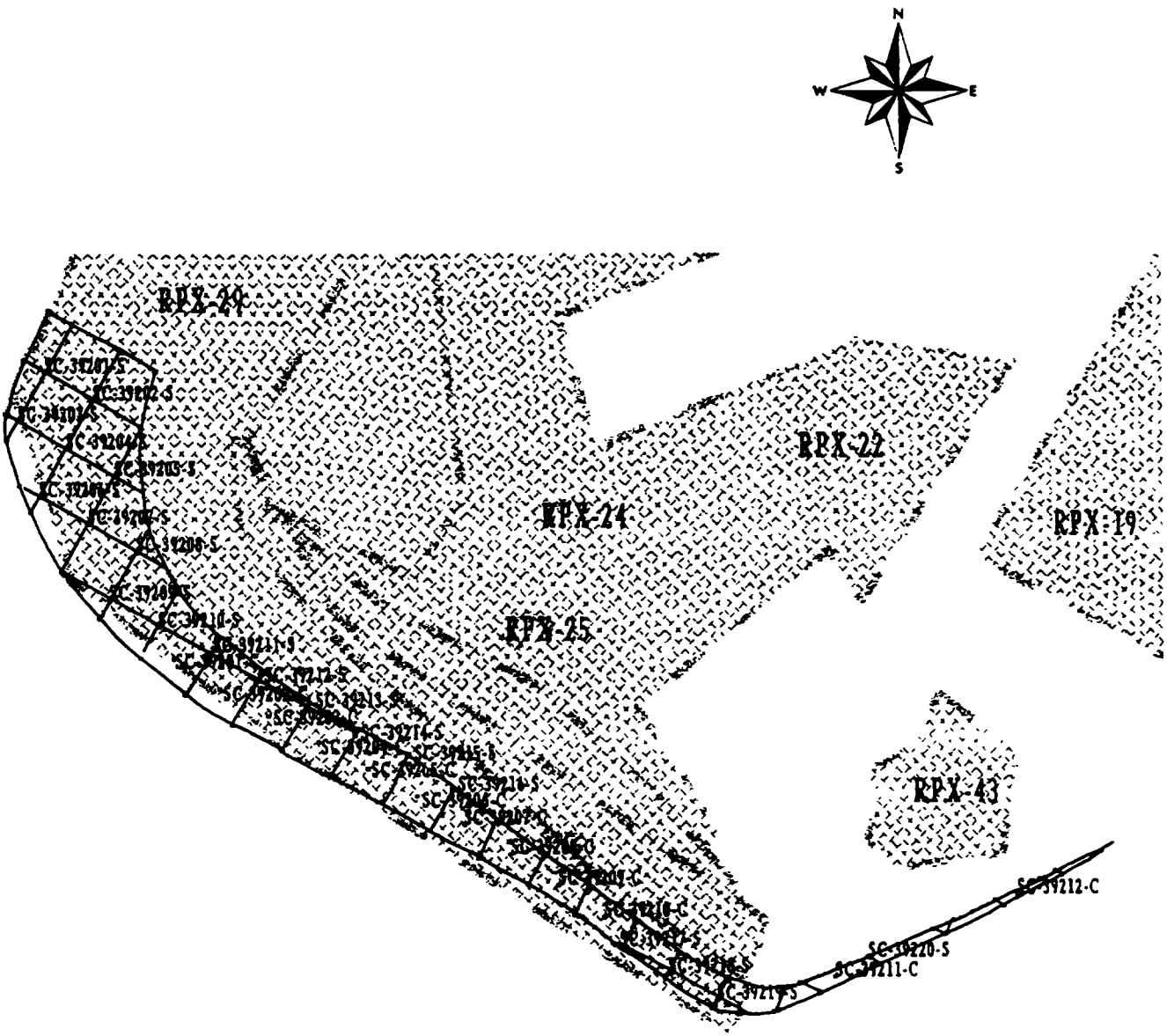
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	31	0.31 - 1.08	0.78	5	6.2	0	0
Ra-228	31	0.36 - 1.33	0.81	5	6.2	0	0
Total Radium	31	0.74 - 2.21	1.59	5	6.2	0	0
Th-230	31	0.76 - 16.4	1.60	5	6.2	1	1
Th-232	31	0.37 - 1.36	0.83	5	6.2	0	0
U-238	31	1.11 - 1.51	1.31	30	120	0	0
PAH	31	0.0 - 2.20	0.36	0.44	5.6	8	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU392

Figure: 4-54

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE: 01/10/02	

Table 4 - 54 Summary of CU392

CU 392 RU 21

COC

Ra-226	X	As	
Ra-228	X	Cr	
Th-230	X	Pb	
Th-232	X	Tl	
U-238	X	PAH	X
		PCB	
		TNT	

Reference Figure: 4-54

DATE RELEASED FOR UNRESTRICTED USE: 11/ 02/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the southern berm of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 8,000- 12,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *09/28/99; 10/08/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 32

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : 0

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) Planned confirmation grid points represent RPX-29.*
(2) CU392 was created to confirm the portion of RPX-29 on the south berm of raffinate pit 4 that was not previously covered by an existing confirmation unit. The IOC discussing the creation of CU392 has been included in Appendix D.
(3) All final results are below ALARA.

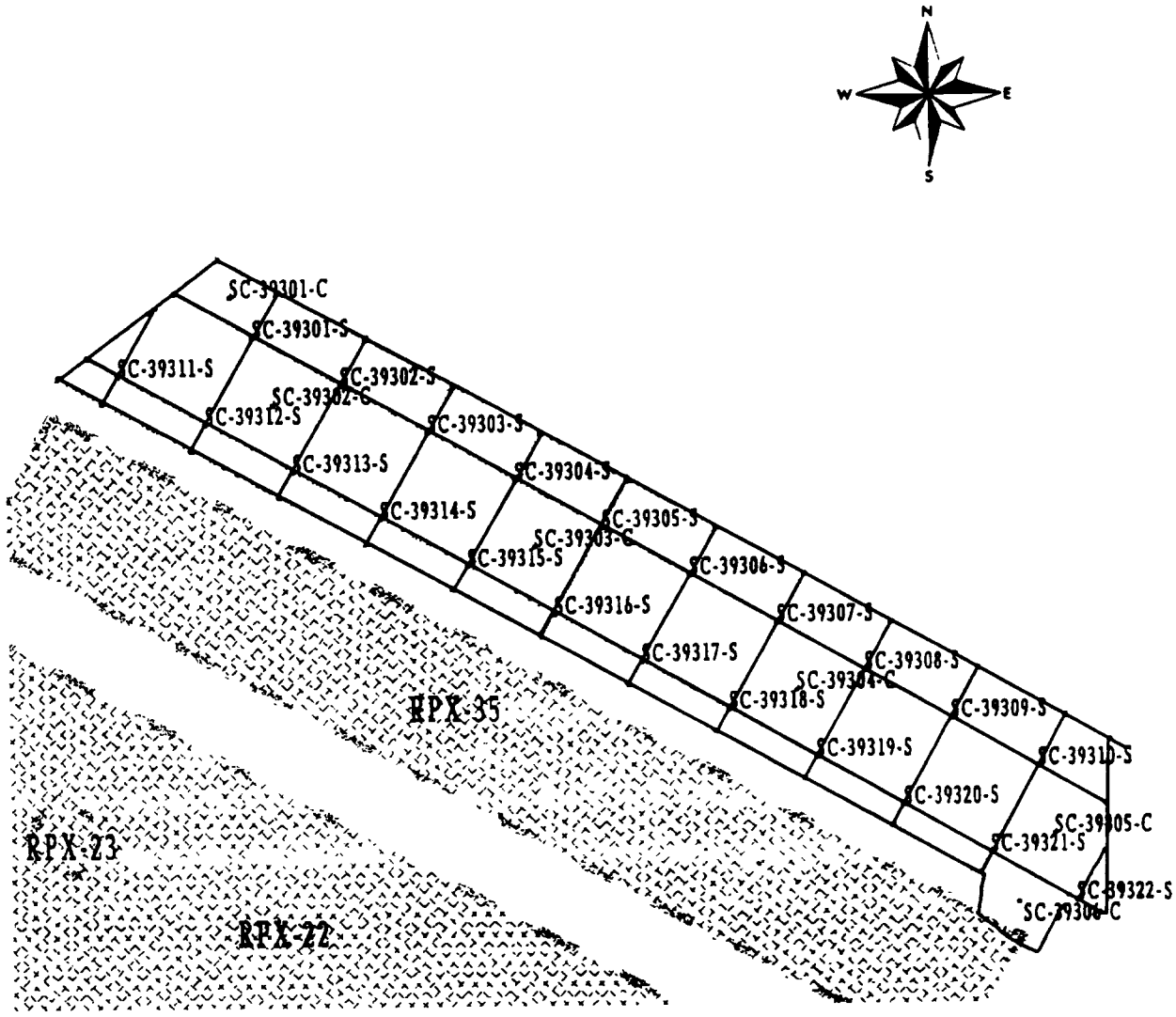
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	32	0.31 - 1.07	0.77	5	6.2	0	0
Ra-228	32	0.44 - 1.39	0.91	5	6.2	0	0
Total Radium	32	0.78 - 2.23	1.68	5	6.2	0	0
Th-230	32	0.91 - 3.38	1.30	5	6.2	0	0
Th-232	32	0.45 - 1.42	0.93	5	6.2	0	0
U-238	32	1.17 - 2.29	1.35	30	120	0	0
PAH	32	0.0 - 0.007	0.005	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021

Confirmation Unit CU393

Figure: 4-55

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO :	
ORIGINATOR: MGL	DRAWN BY: LGE	DATE	01/10/02

Table 4 - 55 Summary of CU393

CU: 393 RU: 21

COC				
	Ra-226	X	As	X
	Ra-228	X	Cr	X
	Th-230	X	Pb	X
	Th-232	X	Tl	X
	U-238	X	PAH	X
			PCB	X
			TNT	X

Reference Figure: 4-55

DATE RELEASED FOR UNRESTRICTED USE: 10/ 05/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the Raffinate Pit 4 intermediate berm.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 11,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *09/27/99*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : 28

TOTAL # OF UTILITY SAMPLES : 0

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

ADDITIONAL EXCAVATION REQUIRED? [ ] YES [X] NO

GENERAL COMMENTS - *(1) CU393 was created to confirm adjacent areas associated with the excavation of RPX-35, which extended into the former WP-471 work zone. The excavation limits for RPX-35 extended to the north due to sloping requirements associated with safety during the excavation.*
In-situ area RPX-35 was developed after the WP-437 sampling plan was issued when contaminated soil was used to construct an intermediate dike of raffinate pit 4. Upon removal of the intermediate dike, the area was confirmed. The IOC discussing the creation of CU393 has been included in Appendix D.
(2) All final results are less than ALARA.

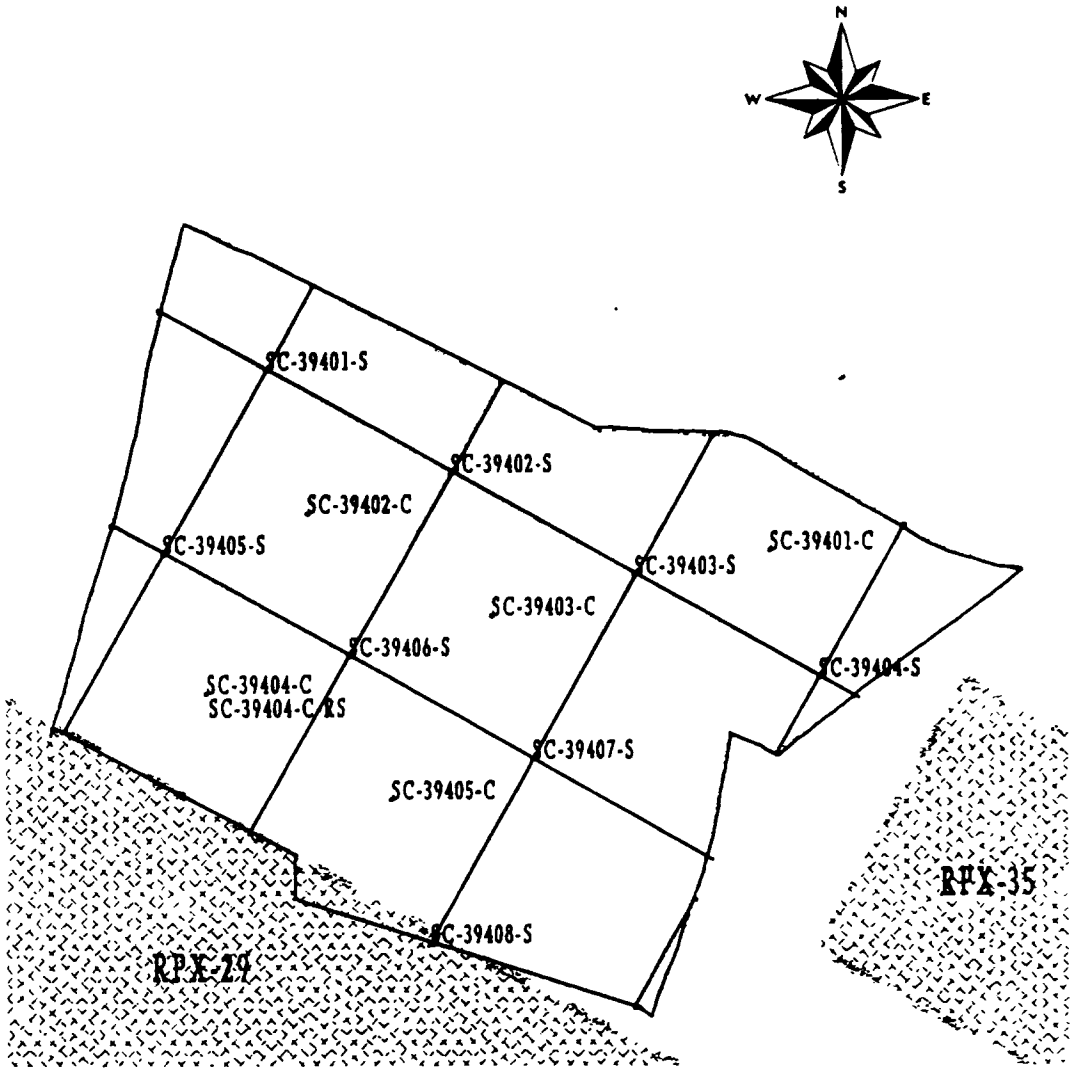
ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Arsenic	28	5.3 - 12.9	9.18	45	75	0	0
Chromium	28	11.6 - 25.2	17.2	90	110	0	0
Lead	28	10.7 - 31.4	15.36	240	450	0	0
Thallium	28	0.98 - 4.2	2.61	16	20	0	0
Ra-226	28	0.24 - 1.12	0.62	5	6.2	0	0
Ra-228	28	0.44 - 1.40	0.88	5	6.2	0	0
Total Radium	28	0.72 - 2.32	1.50	5	6.2	0	0
Th-230	28	0.63 - 4.11	1.51	5	6.2	0	0
Th-232	28	0.45 - 1.44	0.90	5	6.2	0	0
U-238	28	1.17 - 2.49	1.38	30	120	0	0
TNT	28	results < detection limit	N/A	14	140	0	0
PCB	28	0.0 - 0.009	0.003	0.65	8	0	0
PAH	28	0.0 - 0.006	0.004	0.44	5.6	0	0

NOTE: Radiological contaminants are listed in pCi/g. Chemical contaminants are listed in mg/kg.



150 75 0 150 FEET

50 25 0 50 METERS

Sample Locations in Remedial Unit RU021
Confirmation Unit CU394

Figure: 4-56

REPORT NO.: DOE/OR/21548-907		EXHIBIT NO ·	
ORIGINATOR: MGL	DRAWN BY· LGE	DATE. 01/10/02	

Table 4 - 56 Summary of CU394

CU 394 RU 21

COC				
	Ra-226	X	As	
	Ra-228	X	Cr	
	Th-230	X	Pb	
	Th-232	X	Tl	
	U-238	X	PAH	
			PCB	
			TNT	

Reference Figure: 4-56

DATE RELEASED FOR UNRESTRICTED USE: 10/ 13/99

CLEANUP STANDARD [X] SURFACE [ ] SUBSURFACE

EACH 100m² < CRITERIA? [X] YES [ ] NO

LOCATION DESCRIPTION: *This CU represents the northwestern portion of Raffinate Pit 4.*

WALKOVER SURVEY INFORMATION

BACKGROUND: 11,000 cpm
(shielding may have been used on a case-by-case basis)

FINAL SURVEY(S) BELOW 1.5 X BACKGROUND ? [X] YES [ ] NO

DATE(S) SCANNED: *09/25/1999*

CONFIRMATION SAMPLING INFORMATION

TOTAL # OF SAMPLE LOCATIONS : *11*

AVERAGES < ALARA? [X] YES [ ] NO

HOTSPOTS REMAINING? [ ] YES [X] NO

TOTAL # OF UTILITY SAMPLES : *0*

ADDITIONAL EXCAVATION REQUIRED? [X] YES [ ] NO

GENERAL COMMENTS - *(1) CU394 was created to confirm an area just west of the intermediate berm where elevated radiological activity had been identified. The IOC discussing the creation of CU393 has been included in Appendix D. Locations SC-39405-S and SC-39408-S did not fall within the excavated area and were not sampled.*
(2) One Th-230 hotspot was identified at SC-39404-C. The area was further excavated and resampled.
(3) All final results are below ALARA.

ORISE ACTION - *None*

ALARA COMMITTEE ACTION - *None*

CU SUMMARY DATA

Ra-226	11	0.28 - 0.69	0.57	5	6.2	0	0
Ra-228	11	0.46 - 1.28	0.97	5	6.2	0	0
Total Radium	11	0.99 - 1.94	1.54	5	6.2	0	0
Th-230	11	0.84 - 1.33	1.05	5	6.2	0	0
Th-232	11	0.47 - 1.31	0.99	5	6.2	0	0
U-238	11	1.11 - 1.26	1.22	30	120	0	0

NOTE: Radiological contaminants are listed in pCi/g.

5. DATA EVALUATION

Work Package-437 (WP-437) final analytical data were evaluated to determine whether data quality objectives developed for the Weldon Spring Site Remedial Action Project (WSSRAP) were met and to ensure that overall data quality results were generated from these remedial activities. The data were evaluated in accordance with the *Project Management Contractor Quality Assurance Program* (Ref. 5) and the *Environmental Quality Assurance Project Plan* (Ref. 6). The data evaluation process was completed by data verification, data review, data validation, and data management activities as stated in the *Chemical Plant Area Cleanup Area Attainment Confirmation Plan* (Ref. 3).

5.1 Data Verification

Data verification was conducted in accordance with ES&H 4.9.1, *Environmental Monitoring Data Verification*, to ensure that documentation and data were reported in compliance with established reporting requirements and standard operating procedures (SOPs), and to ensure that all analyses were performed. All analytical results received from the laboratory were reviewed to verify that samples were properly handled according to WSSRAP protocol. The following factors were reviewed and evaluated: sample identification, chain of custody, holding times, sample preservation requirements, sample analysis request forms, data reviews, laboratory tracking, data reporting requirements, and the database transfer.

5.2 Data Review

Data packages were reviewed to ensure that final data were properly identified, analyzed, reported, and that they met data quality requirements (DQRs). The data were also reviewed to check for inconsistencies with the field quality control (QC) samples. Final analytical results were also compared to the preliminary results to identify any changes in data.

During confirmation of WP-437 areas, which included RU021, soil samples were obtained in accordance with the details provided in the *Confirmation Sampling Plan Details for the Disposal Cell Facility* (WP-437) (Ref. 2). This plan indicates that quality control samples were to be taken at a frequency of 1 per 20 samples or 5%. The quality control samples collected included duplicates, field replicates, secondary duplicates, matrix spikes/matrix spike duplicates, and equipment blanks. Since the 5% requirement was based on all WP-437 confirmation sampling, the quality control data will be discussed in a separate report entitled *WP-437 Confirmation Quality Control Results Report*.

5.3 Data Validation

Data validation was performed on 10% of all analytical data generated from the confirmation sampling activities. Data validation was conducted in accordance with ES&H 4.9.2, *Environmental Monitoring Data Validation*. Note that the validation of 10% of the data is based upon all confirmation data collected for WP-437, and not 10% of each work zone. The percentage of confirmation validated will be discussed in the *WP-437 Confirmation Quality Control Results Report*.

6. SUMMARY OF CLOSURE REPORT FINDINGS

The Raffinate Pit work zone portion requiring confirmation under Work Package (WP-437) consisted of the fifty-five confirmation units (CUs) within Remedial Unit (RU)021. Summary information regarding the remedial activities is presented in Section 4 of this report.

6.1 Data Evaluation

Upon completion of remediation activities, preliminary results were used to complete disposition forms in accordance with ES&H 1.2.1, *Soil Remediation Disposition Process*. Based on the preliminary results, each CU was released when disposition forms were reviewed and signed by authorized project personnel.

6.2 Summary of WP-437 Confirmation Results

Table 6-1 provides a summary of the total number of samples collected and analyzed for each contaminant during remedial activities in RU021. The number of samples and the minimum, maximum, and average concentrations are also provided for each contaminant. The table was generated using final data sets compiled from all samples that represented soils left in place.

Table 6-1 Summary Totals for RU021

CONTAMINANT	NO OF SAMPLES	CONCENTRATION RANGE	AVERAGE CONCENTRATION	SURFACE ALARA	SURFACE CRITERIA	RESULTS > ALARA
As (mg/kg)	90	2 4 – 21 8	8 64	45	75	0
Cr (mg/kg)	90	7 5 – 28 7	17 08	90	110	0
Pb (mg/kg)	85	5 6 – 31 4	14 40	240	450	0
Tl (mg/kg)	64	0 31 – 6 6	2 25	16	20	0
TNT (mg/kg)	114	0 003 – 3 5	0 16	14	140	0
PAH (mg/kg)	298	0 0 – 2 2	0 09	0 44	5 60	22
PCB (mg/kg)	91	0 0 – 2 3	0 04	0 65	8 00	1
Ra-226 (pCi/g)	1516	0 19 – 5 71	0 83	5 00	6 20	1
Ra-228 (pCi/g)	1516	0 16 – 2.63	0 91	5 00	6 20	0
Total Radium* (pCi/g)	1516	0.45 – 6.22	1 74	5.00	6 20	5
Th-230 (pCi/g)	1516	0 33 – 16 4	1 56	5 00	6 20	35
Th-232 (pCi/g)	1516	0 16 – 2 70	0 93	5 00	6 20	0
U-238 (pCi/g)	1515	0 21 – 64 8	1 70	30 00	120 00	1

* Total Radium consists of Ra-226 values plus Ra-228 values

Final analytical results generated from the remedial activities indicated that the RU021 average concentrations for each COC were below the ALARA goal. With only one exception, COC averages are also below ALARA for each of the fifty-five CUs. One CU had a PAH average exceeded ALARA. All 100 m^2 averages were less than criteria.

6.3 Summary of Chemical Plant Confirmation Results

To meet the requirements of the ROD, more than 50% of the results for each parameter had to be less than the ALARA goal. Table 6-2 summarizes the cumulative results to date.

Table 6-2 Summary Totals for Confirmation

CONTAMINANT	NO. OF SAMPLES	MINIMUM CONCENTRATION	MAXIMUM CONCENTRATION	AVERAGE CONCENTRATION	RESULTS > ALARA
Arsenic (mg/kg)	2322	0.48	123	8.24	1
Chromium (mg/kg)	2693	1.40	76.2	17.33	0
Pb (mg/kg)	2291	1.80	817	19.01	8
Thallium (mg/kg)	1062	0.12	20.3	1.80	2
PAH (mg/kg)	2338	0.0	14.1	0.11	150
PCB (mg/kg)	2921	0.0	6.4	0.05	46
TNT (mg/kg)	1306	0.002	34	0.17	2
Ra-226 (pCi/g)	6050	0.13	9.43	1.07	5
Ra-228 (pCi/g)	5859	0.16	6.60	1.06	3
Th-230 (pCi/g)	5314	0.09	23.10	1.57	107
Th-232 (pCi/g)	5309	0.16	6.77	1.06	2
Toluene (mg/kg)	4	0.00	3.40	0.85	0
U-238 (pCi/g)	7928	0.21	228	3.13	77

NOTE: This table contains summary results from cumulative confirmation including WP-253, WP-399, WP-420, WP-458, WP-461, WP-471, WP-437 (RU015, RU016, RU017, RU018, RU019, RU020, RU021, RU023, and RU025), and WP-551/Task D (RU026)

6.4 Comparison of Standard Deviations

This section compares the estimated standard deviations calculated following U. S. Environmental Protection Agency (EPA) guidance with deviations calculated using confirmation results. Since there were no existing remediation data available to calculate the standard deviation (sigma), the *Chemical Plant Area Cleanup Area Attainment Confirmation Plan* (Ref. 3) estimated sigma using the range (assuming the average concentration remaining after remediation would not exceed cleanup criteria) divided by six. To determine whether the

specified level of precision was obtained, a comparison was made between the estimated sigma and the calculated sigma using the RU021 results.

The comparison indicated that the specified level of precision (a false positive = 0.05 and a false negative = 0.20) had been obtained. All of the RU021 calculations except Th-230 were less than estimated sigmas, indicating that the minimum specified precision was met. Table 6-3 presents the estimated sigma and calculated sigmas for each COC.

The RU021 and cumulative sigmas for Th-230 exceeded the estimated sigma. This is a factor of hot spots left in place based upon subsurface criteria in previous CUs. The estimated standard deviation, recalculated for Th-230 using subsurface criteria, was 2.7. The RU021 and cumulative sigmas were both less than the estimated subsurface sigma.

Table 6-3 Comparison of Standard Deviations

COC	Estimated Sigma(a)	RU021 Sigma (b)	Cumulative Sigma (c)
Arsenic (mg/kg)	12.5	3 05	4.37
Chromium (mg/kg)	18.3	3.81	5.05
Lead (mg/kg)	75	5.16	28.33
Thallium (mg/kg)	3 3	1 22	1.63
PAH (mg/kg)	0 93	0.29	0 49
PCB (mg/kg)	1 33	0.25	0.31
TNT (mg/kg)	23.3	0.52	1.28
Ra-226 (pCi/g)	1.03	0.34	0 46
Ra-228 (pCi/g)	1.03	0.34	0 39
Th-230 (pCi/g)	1 03	1 17	1.18
Th-232 (pCi/g)	1.03	0 34	0 41
U-238 (pCi/g)	20	2.25	7 04

(a) Sigma estimated in the *Attainment Plan* (Ref. 3).
(b) Sigma calculated using only the WP437 (RU021) confirmation results.
(c) Sigma calculated using cumulative confirmation results (WP-253, WP-399, WP-458, WP-461, WP-471, WP-437 (RU015, RU016, RU017, RU018, RU019, RU020, RU021, RU023, and RU025), and WP-551/Task D (RU026).

7. REFERENCES

1. Department of Energy. *Record of Decision for Remedial Action at the Chemical Plant Area of the Weldon Spring Site*. DOE/OR/21548-376. Oak Ridge Field Office. St. Charles, MO. September 1993.

2. MK-Ferguson and Jacobs Engineering Group. *Confirmation Sampling Plan Details for the Disposal Cell Facility (WP-437)*, Rev 0. DOE/OR/21548-706. Prepared for the U.S. Department of Energy, Oak Ridge Field Office. St. Charles, MO. January 1998.

3. MK-Ferguson and Jacobs Engineering Group. *Chemical Plant Area Cleanup Attainment Confirmation Plan*, Rev. 3. DOE/OR/21548-491. Prepared for the U.S. Department of Energy, Oak Ridge Field Office. St. Charles, MO. December 1995.

4. MK-Ferguson Company. *Raffinate Pit Work Zone Specifications*, Rev. 8. Specification Document No. 3840-7-437-02307. Prepared for the U.S. Department of Energy Weldon Spring Site Remedial Action Project. St. Charles, MO. August 1996.

5. MK-Ferguson Company and Jacobs Engineering Group. *Project Management Contractor Quality Assurance Program*, Rev. 3. DOE/OR/21548-506. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. November 2000.

6. MK-Ferguson and Jacobs Engineering Group. *Environmental Quality Assurance Project Plan*, Rev. 5. DOE/OR/21548-352. Prepared for the U.S. Department of Energy, Oak Ridge Field Office. St. Charles, MO. November 2000.

7. Oak Ridge Institute for Science and Education. *Final Verification Survey Plan for the Chemical Plant Area Weldon Spring Site Remedial Action Project, Weldon Spring, Missouri.* Prepared by the Environmental Survey and Site Assessment Program, Energy/Environment Systems Division, for the U. S. Department of Energy. Weldon Spring, Missouri. December 7, 1995.

8. MK-Ferguson and Jacobs Engineering Group. *Results of Engineering Soil Sampling for Weldon Spring Raffinate Pits 3 and 4*, Rev. 0. DOE/OR/21548-761. Prepared for the U.S. Department of Energy, Oak Ridge Field Office. St. Charles, MO. January 1999.

9. MK-Ferguson and Jacobs Engineering Group. *Results of Engineering Soil Sampling for Weldon Spring Raffinate Pit 1 Bottom*, Rev. 0. DOE/OR/21548-849. Prepared for the U.S. Department of Energy, Oak Ridge Field Office. St. Charles, MO. May 2000.

10. MK-Environmental Services. *In-Situ Soil Excavation, WP 437/Task 778*, Rev. 1. Technical Memorandum No. 3840TM-7229-0. Prepared for MK-Ferguson Group, Weldon Spring Site Remedial Action Project. St. Charles, MO. February 2002.

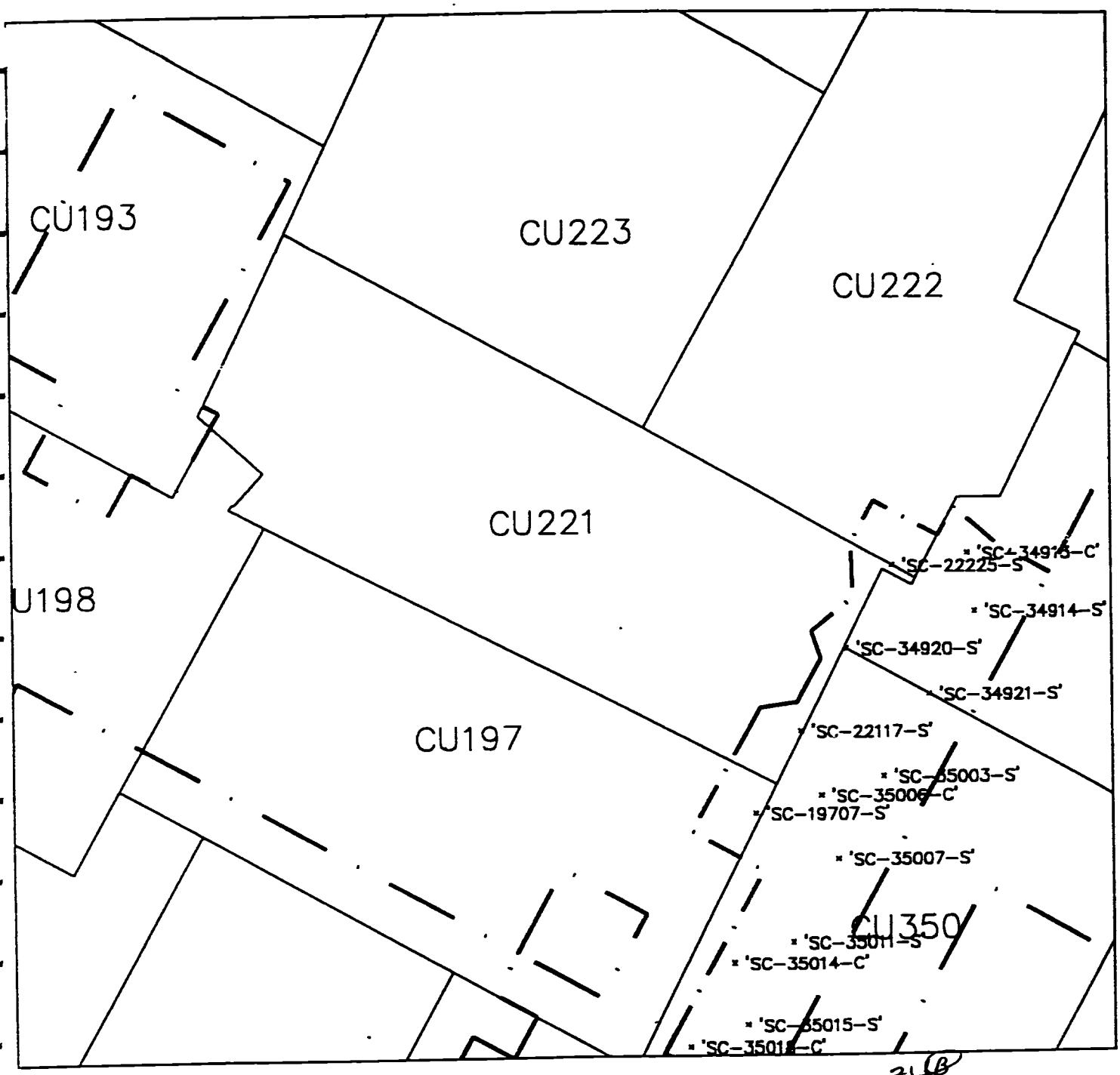
PROCEDURES

ES&H 1.2.1 *Soil Remediation Disposition Process*
ES&H 4.9.1 *Environmental Monitoring Data Verification*
ES&H 4.9.2 *Environmental Monitoring Data Validation*

ACRONYMS

ALARA	as low as reasonably achievable
CLP	Contract Laboratory Program
COC	contaminant of concern
CPM	counts per minute
CU	confirmation unit
DOE	Department of Energy
DQO	Data Quality Objectives
DQR	Data Quality Requirements
EPA	Environmental Protection Agency
EQAPjP	Environmental Quality Assurance Project Plan
ES&H	Environmental Safety and Health
IOC	Interoffice Correspondence
MDNR	Missouri Department of Natural Resources
NaI	sodium iodide
ORISE	Oak Ridge Institute for Science and Education
PMC	Project Management Contractor
QA	quality assurance
QC	quality control
ROD	Record of Decision for Remedial Action at the Chemical Plant Area of the Weldon Spring Site
RU	remedial unit
STL	Sample Team Leader (from Figure 2-1)
SOP	standard operating procedure
WP	work package
WSSRAP	Weldon Spring Site Remedial Action Project

APPENDIX A
WP437 RU021 Final Walkover Forms



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

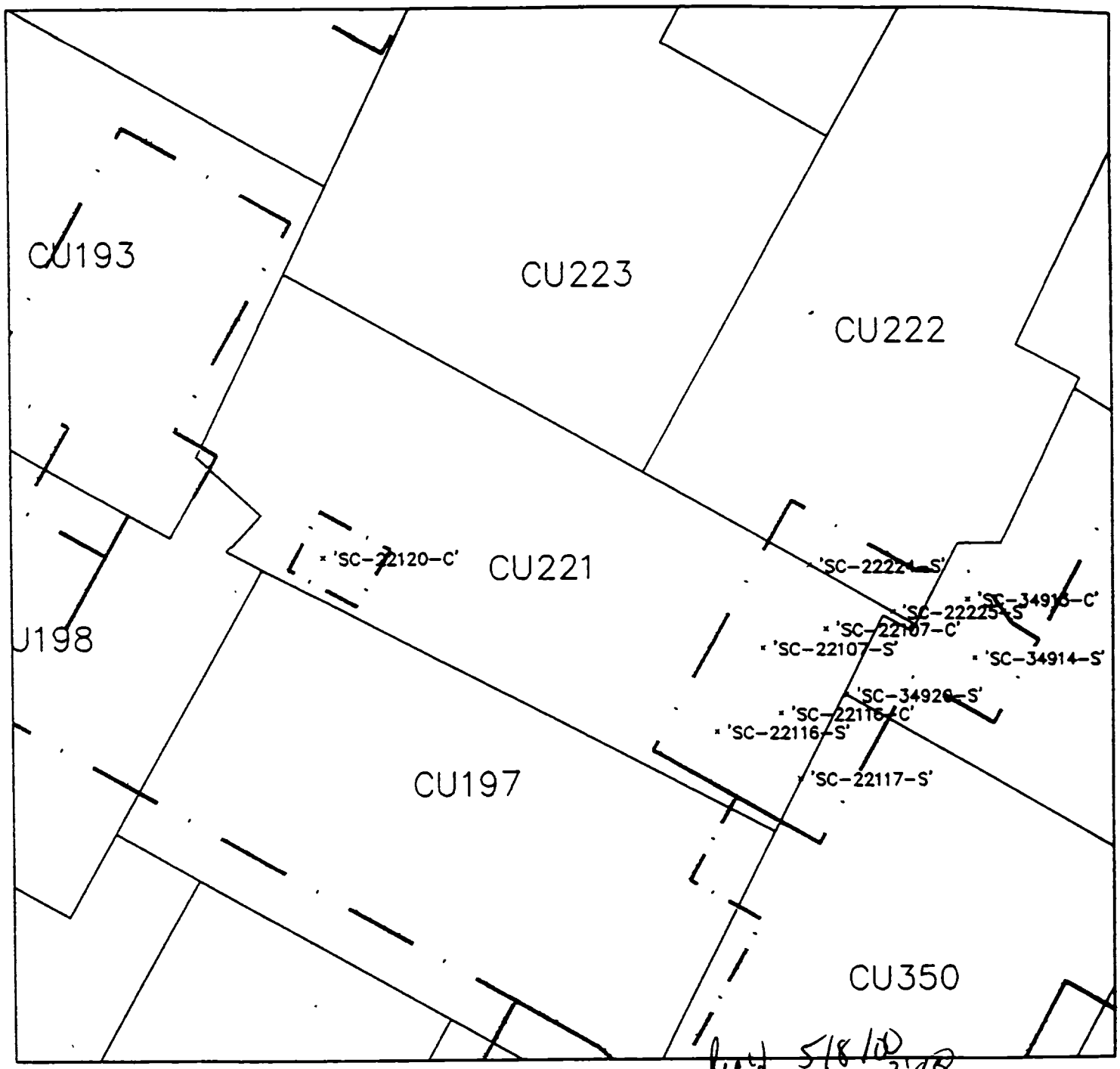
Radiation Survey Form WP 437, RU ~~22~~ 21B CU 221

Date Plotted 4/17/00

DEID CAD

Meter Model #:	2221	Detector Model #:	2+2 NaI "m"
Meter Serial #:	117617	Detector Serial #:	130764
Calibration Date:	10/13/00	Calibration Date:	9/29/00
Survey Date / Time:	4/16/00	Field Bkg.:	6000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was scavenged and found to be like than 1.5 times background



Rec'd 5/8/00

LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU 22 CU 221

Date Plotted 5/6/00

DBO CAD

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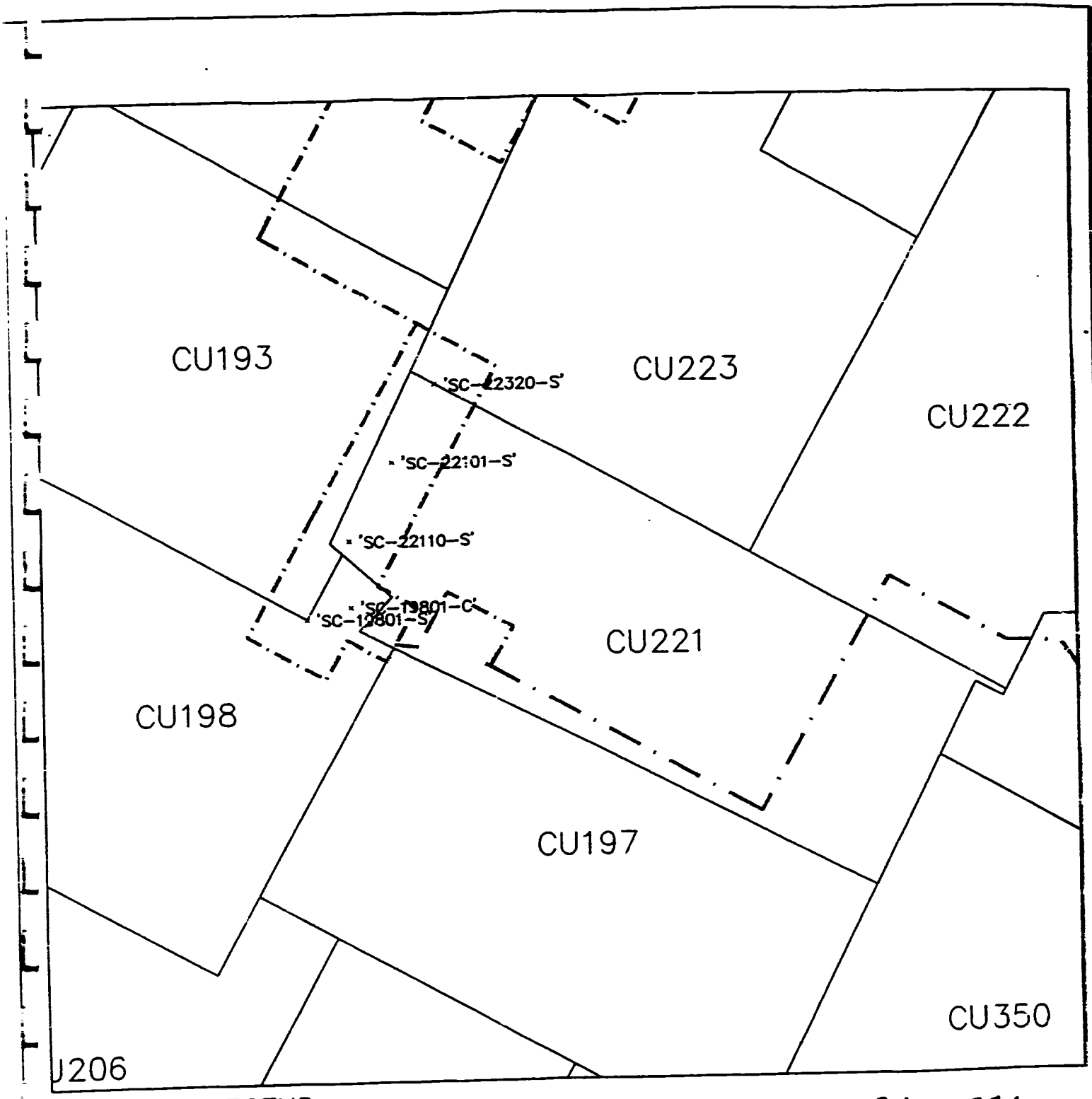
Meter Serial #:	117617	Detector Serial #:	130764
Calibration Due:	10/13/00	Calibration Due:	9/24/00
Survey Date / Time:	5/1/00	Field Bkg.:	5700 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

• 'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 221

Date Plotted 5/10/00

DBO CAD

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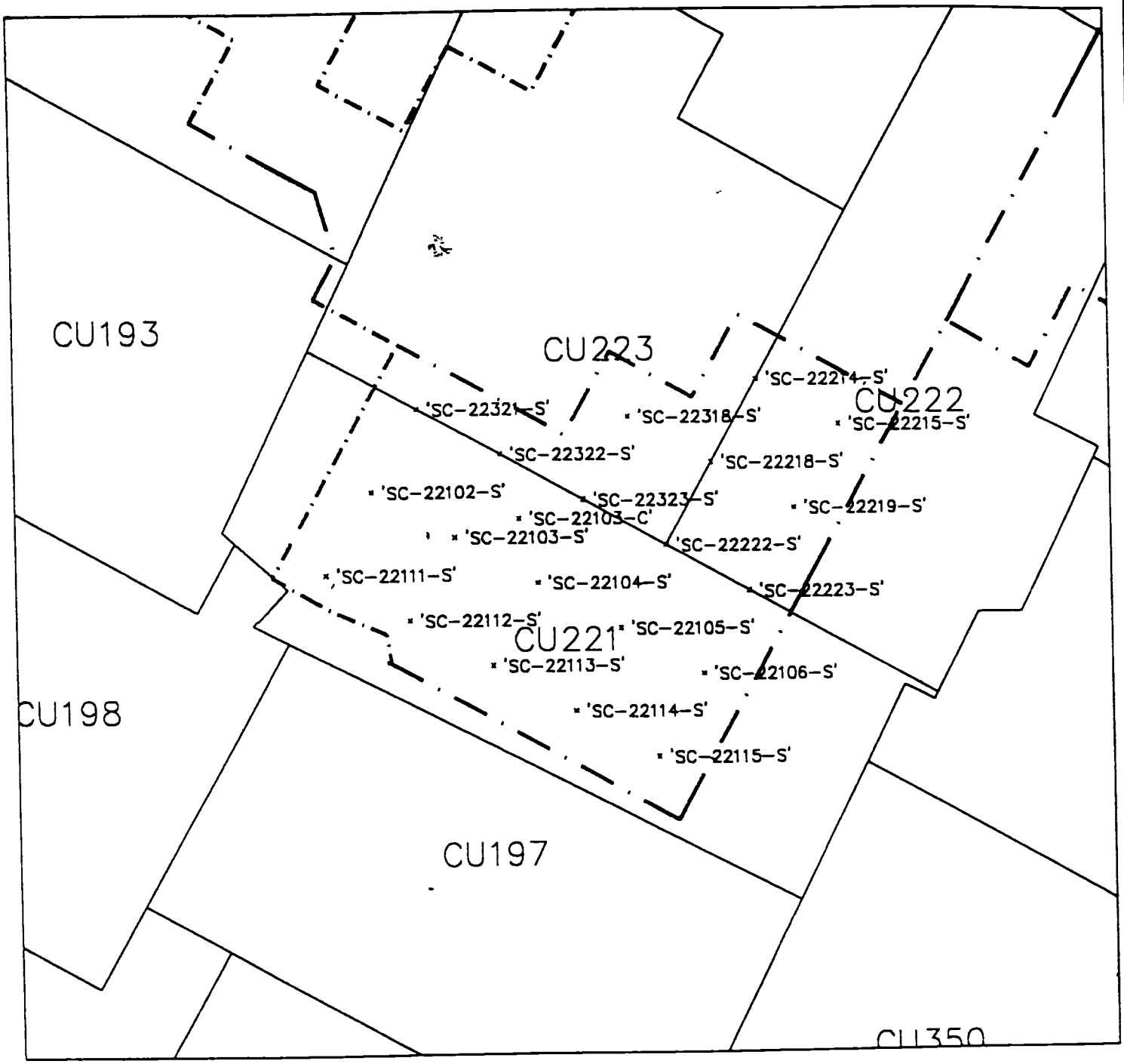
Meter Serial #:	99158	Detector Serial #:	122191
Calibration Due:	7/24/00	Calibration Due:	9/24/00
Survey Date / Time:	5/5/00	Field Bkg.:	5,000 CPM
Surveyor(s):	C. Hamer, T. Brown		
Comments:	All readings <1.5 Bkg		



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 221

Date Plotted 5/21/00 DBD CAD

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Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
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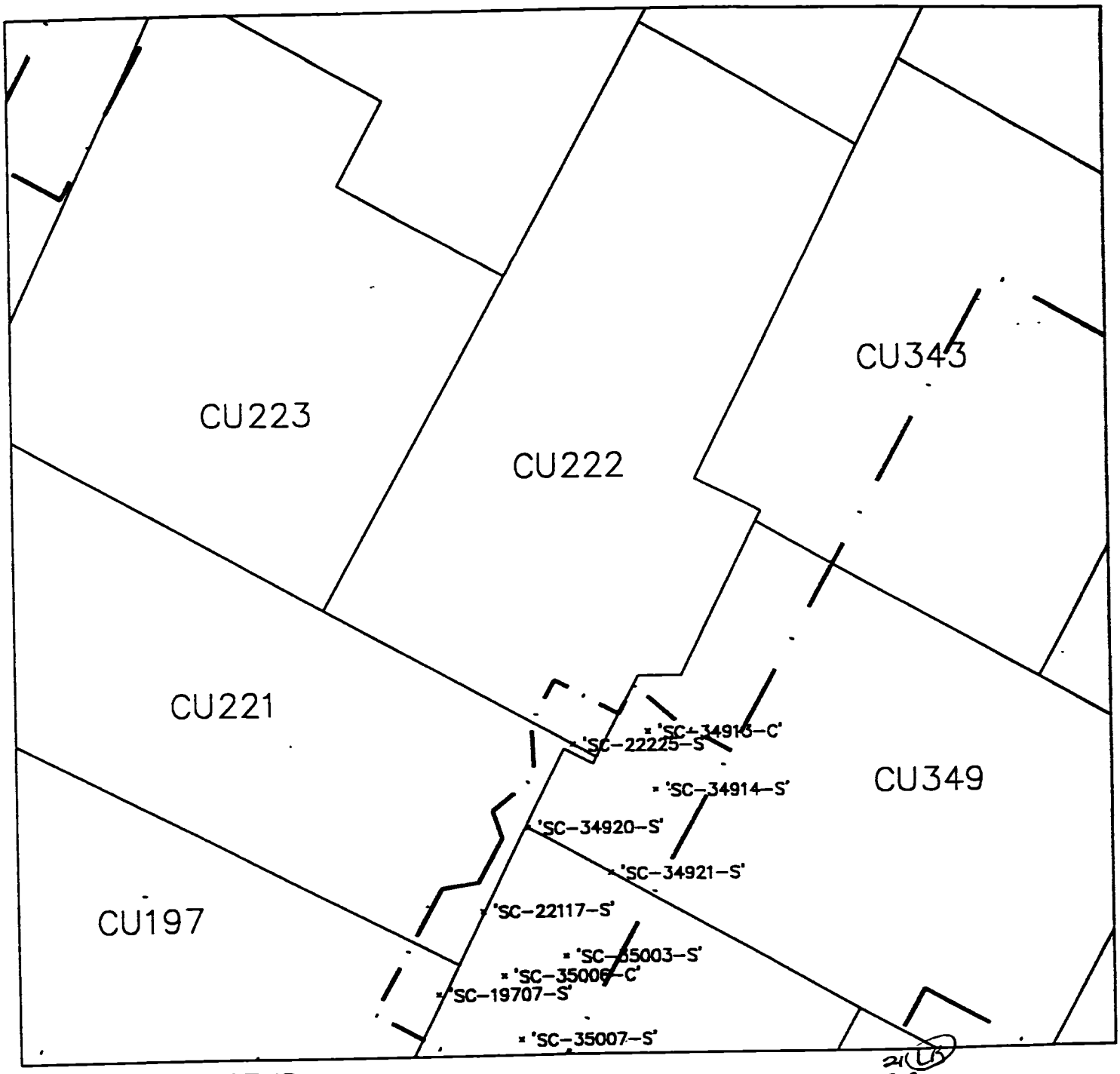
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU ~~22~~ 21(U3) CU 222

Date Plotted 4/17/00

DEID CAD

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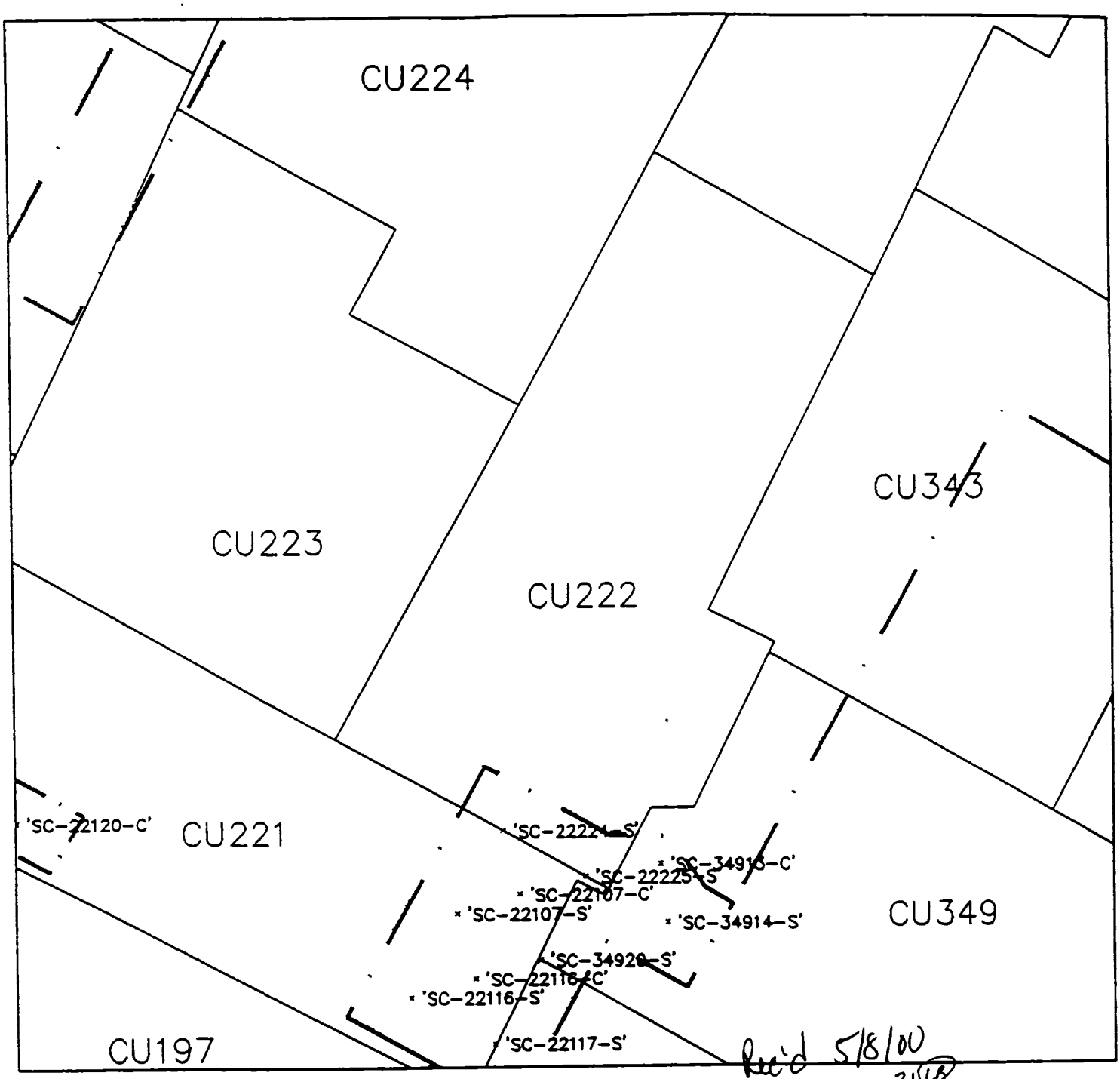
Meter Serial #:	117617	Detector Serial #:	130764
Calibration Due:	10/13/00	Calibration Due:	9/24/00
Survey Date / Time:	4/16/00	Field Bkg.:	6000 cpm
Surveyor(s):	C. Hamer		

Comments: Area was surveyed and found to be less than 1.5 times background



Rec'd 5/8/00

LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

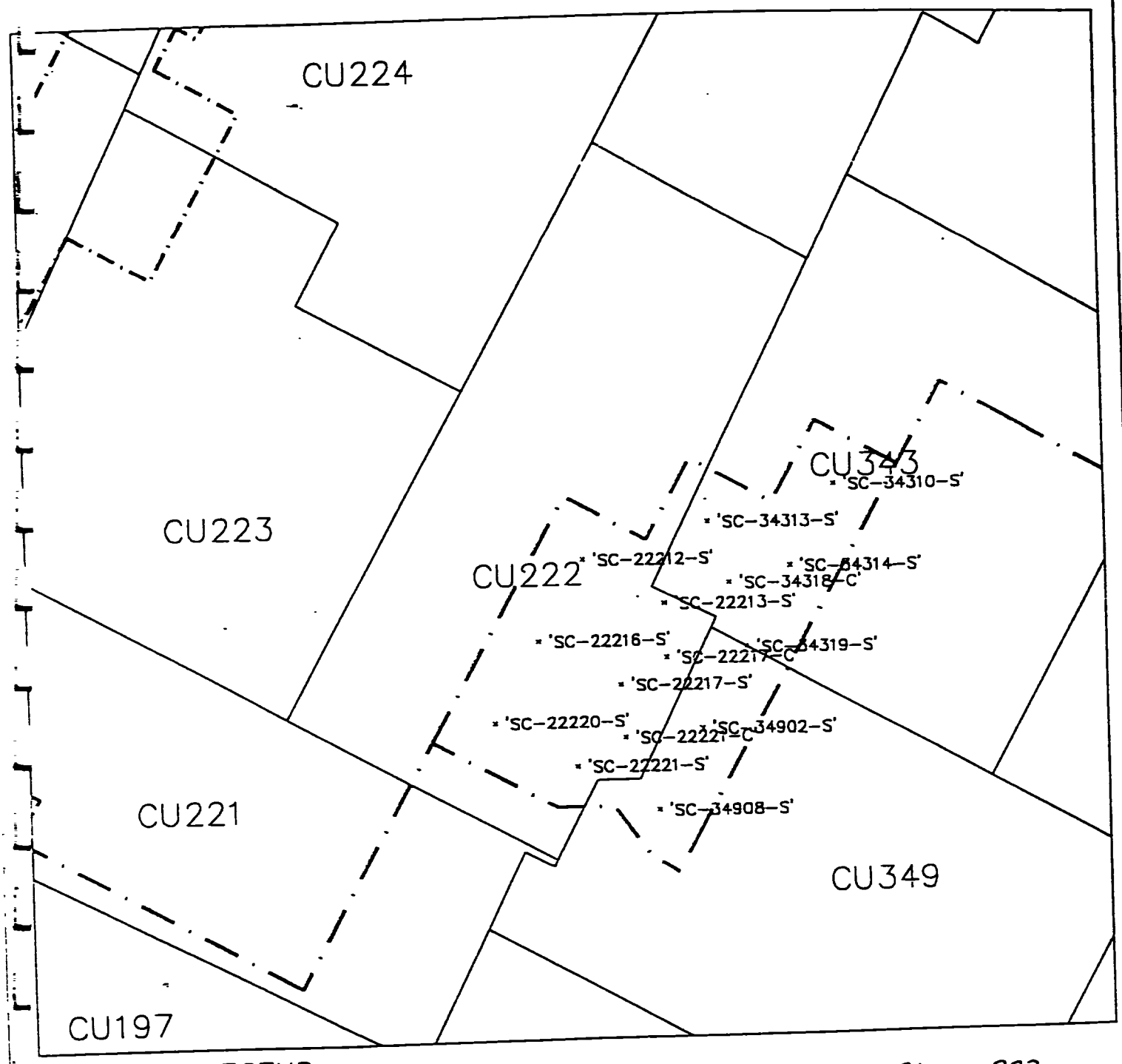
Radiation Survey Form WP 437, RU ~~22~~ 21 CU 222

Date Plotted 5/6/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "M"
Meter Serial #:	117617	Detector Serial #:	130764
Calibration Date:	10/13/00	Calibration Date:	9/24/00
Survey Date / Time:	5/1/00	Field Bkg.:	5700 cpm
Surveyor(s):	C Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

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Radiation Survey Form WP 437, RU 21 CU 222

Date Plotted 5/18/00

DBO CAD

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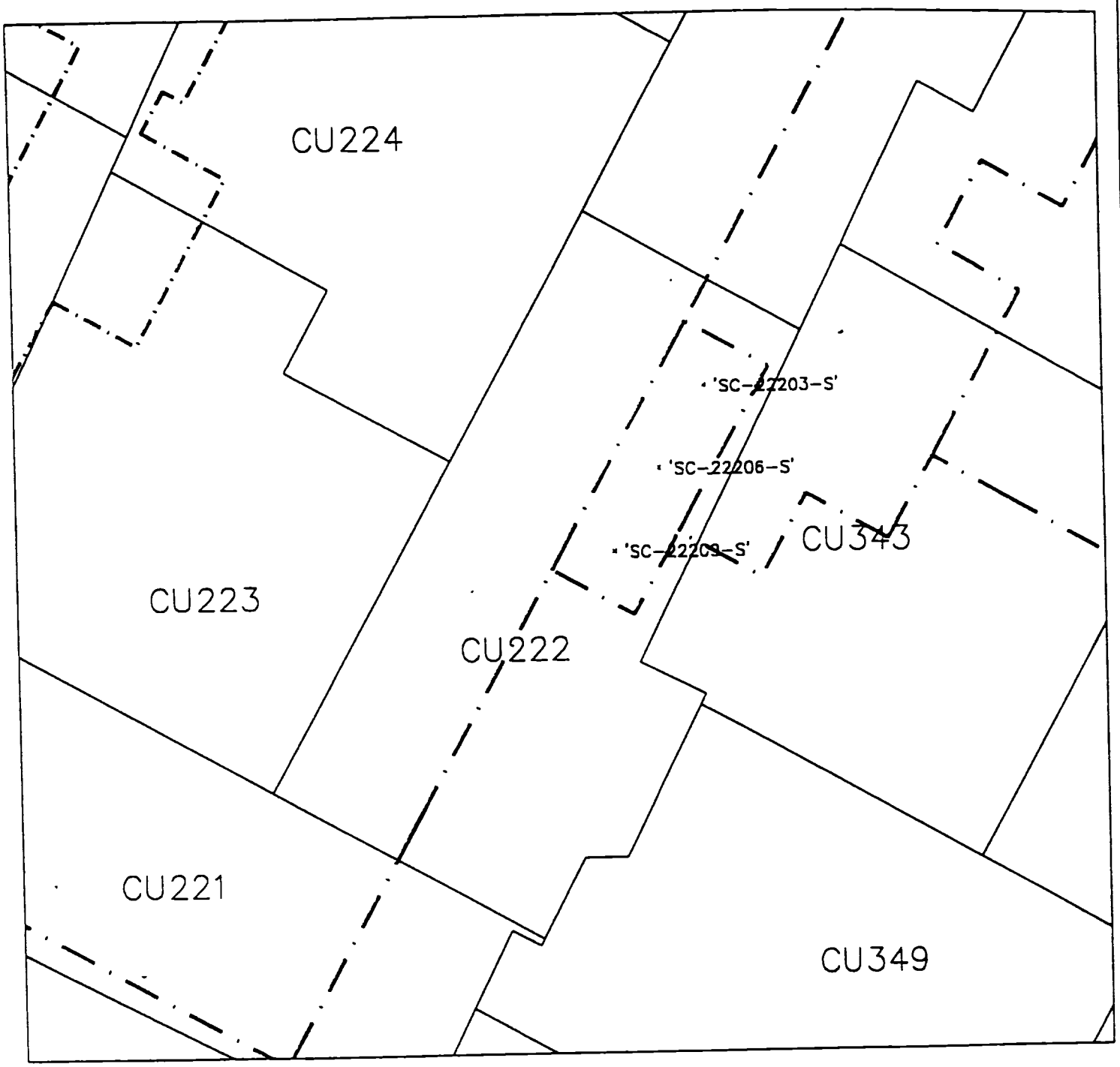
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date / Time:	5/17/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 222

Date Plotted 5/20/00

DEIO CAD

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Meter Serial #:	99158	Detector Serial #:	122191
Calibration Date:	7/24/00	Calibration Date:	9/24/00
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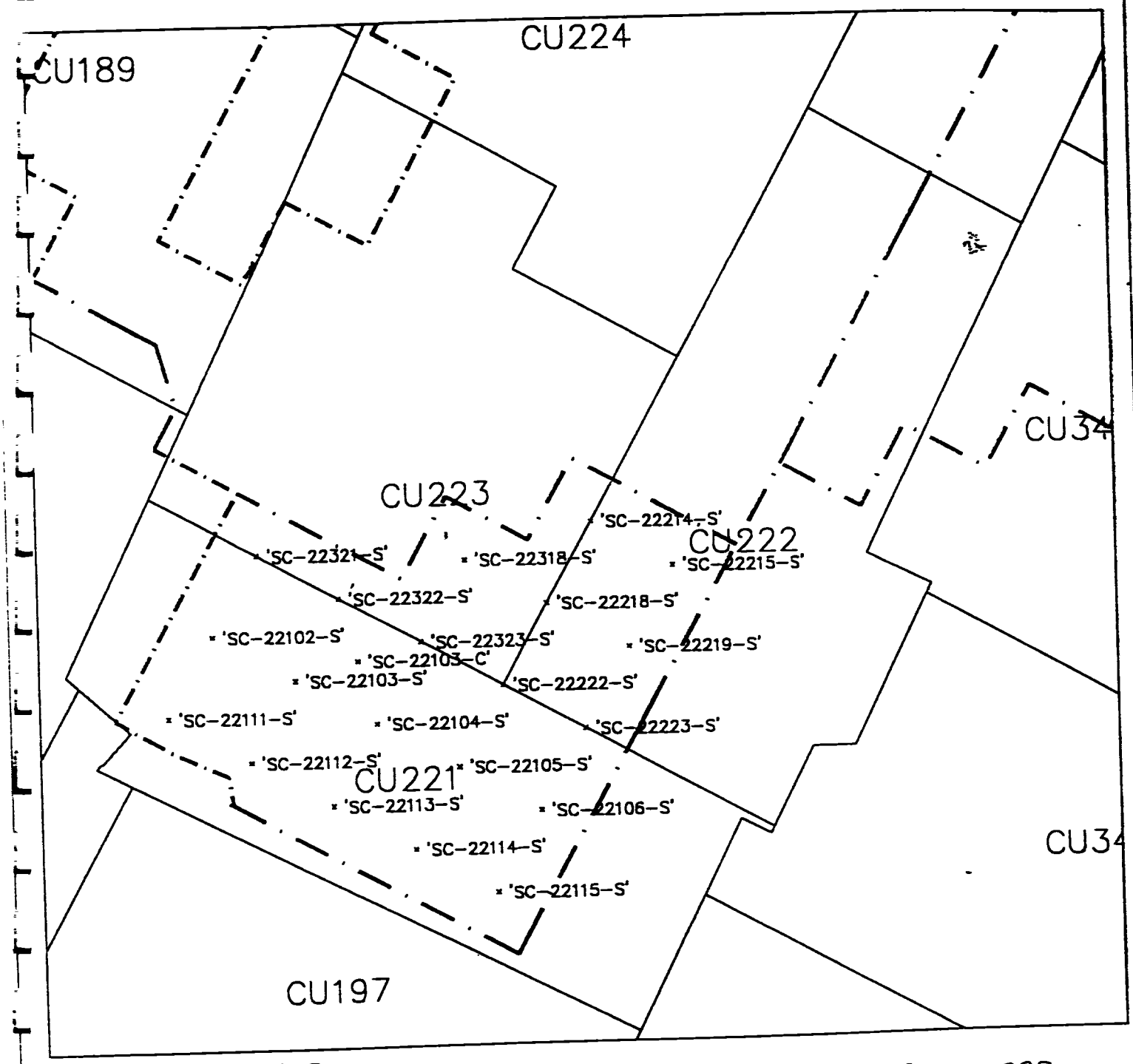
Surveyor(s):	T. Brown		
Comments:	All readings <1.5 Bkg		



LEGEND

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PINNING LIMITS

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Radiation Survey Form WP 437, RU 21 CU 222

Date Plotted 5/21/00

DBO CAD

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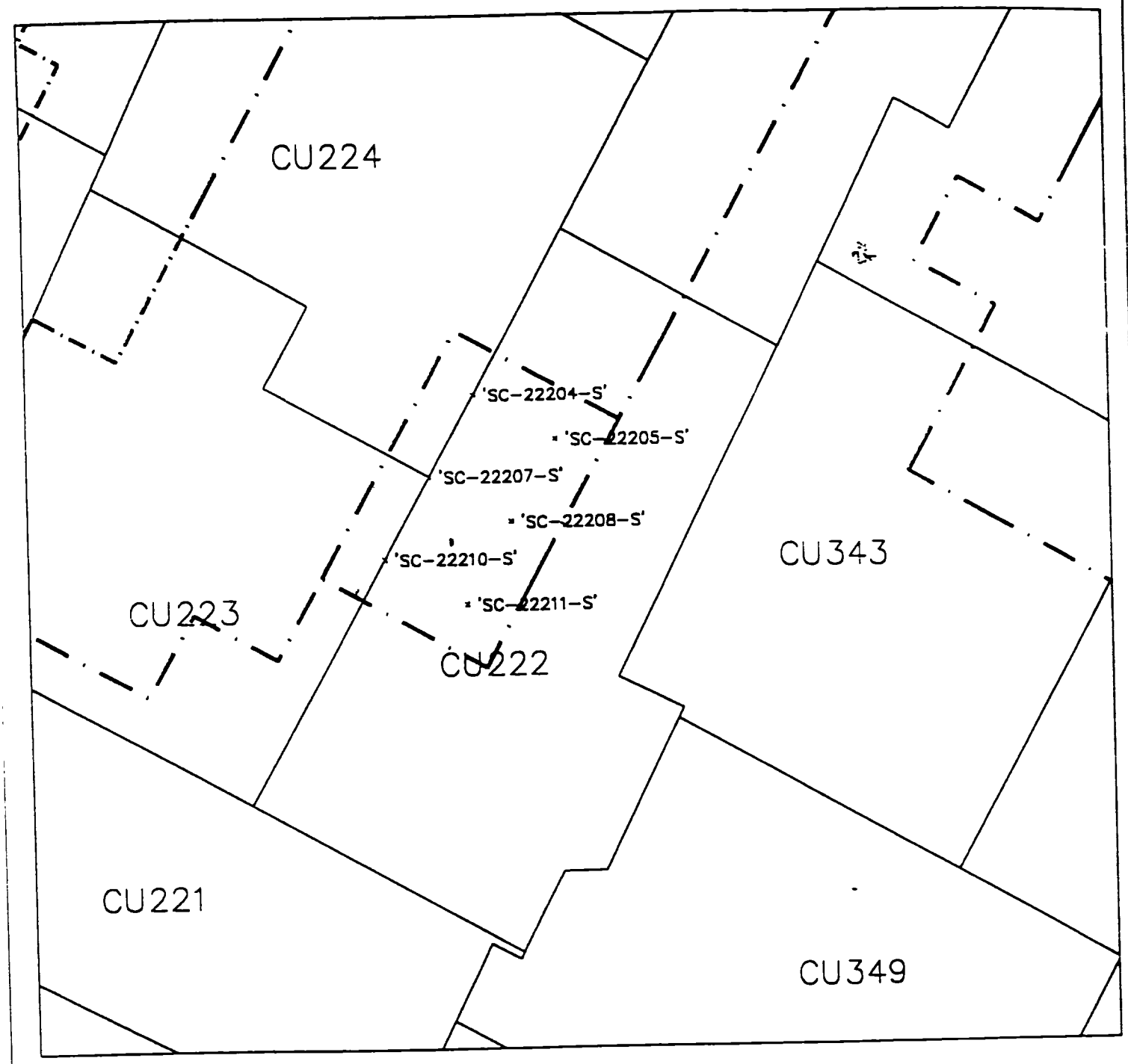
Survey Date / Time:	5/20/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

• 'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 222

Date Plotted 5/24/00

DBD CAD

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Meter Serial #:	154199	Detector Serial #:	17606
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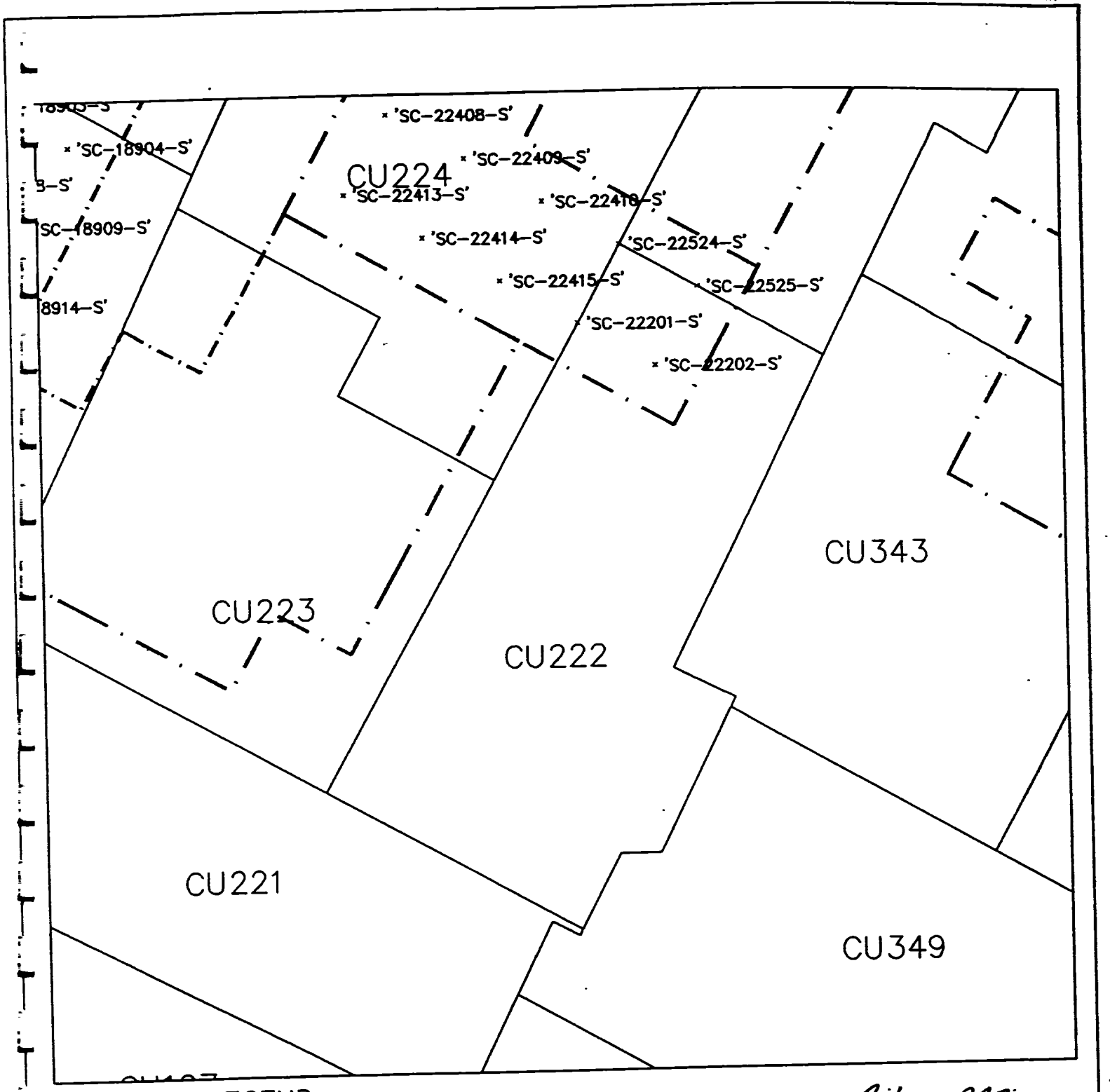
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 222

Date Plotted 6/2/00

DEO CAD

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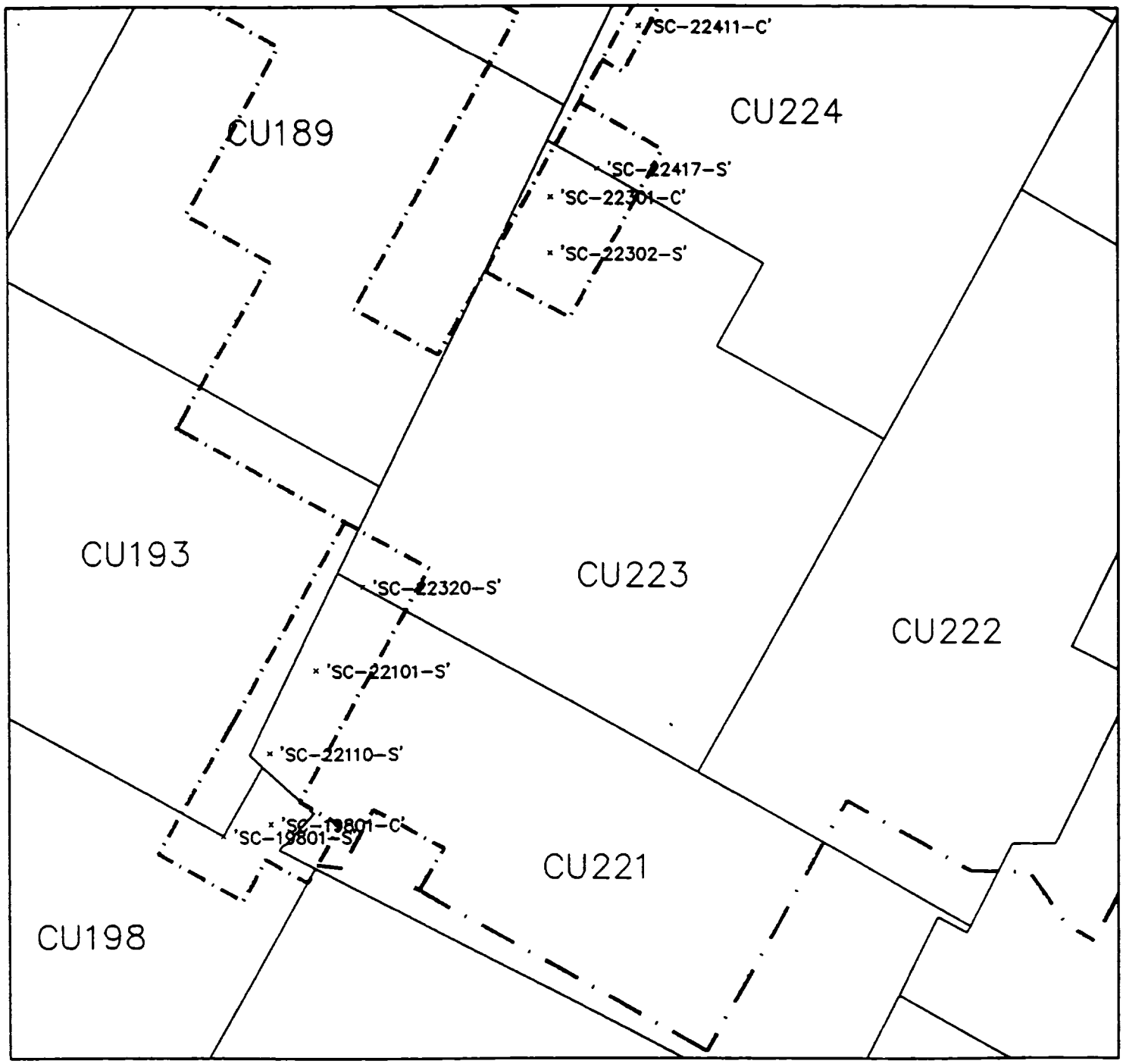
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Due:	2/09/01	Calibration Due:	1/21/01
Survey Date / Time:	6/2/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 223

Date Plotted 5/10/00

DBO CAD

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Meter Serial #:	9958	Detector Serial #:	122191
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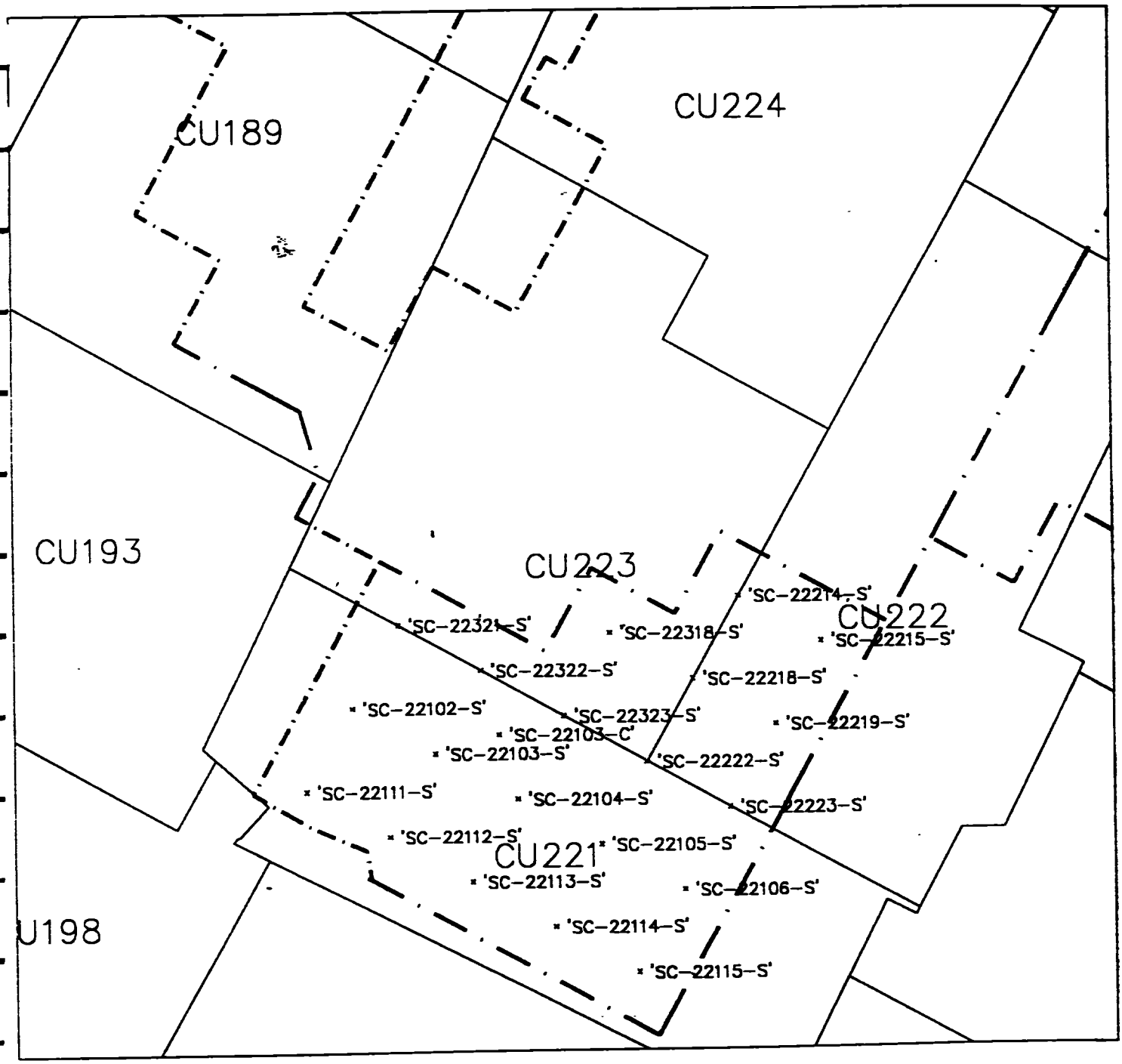
Surveyor(s):	C. Hamner, T. Brown		
Comments:	All readings <1.5 BKg		



LEGEND

· 'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

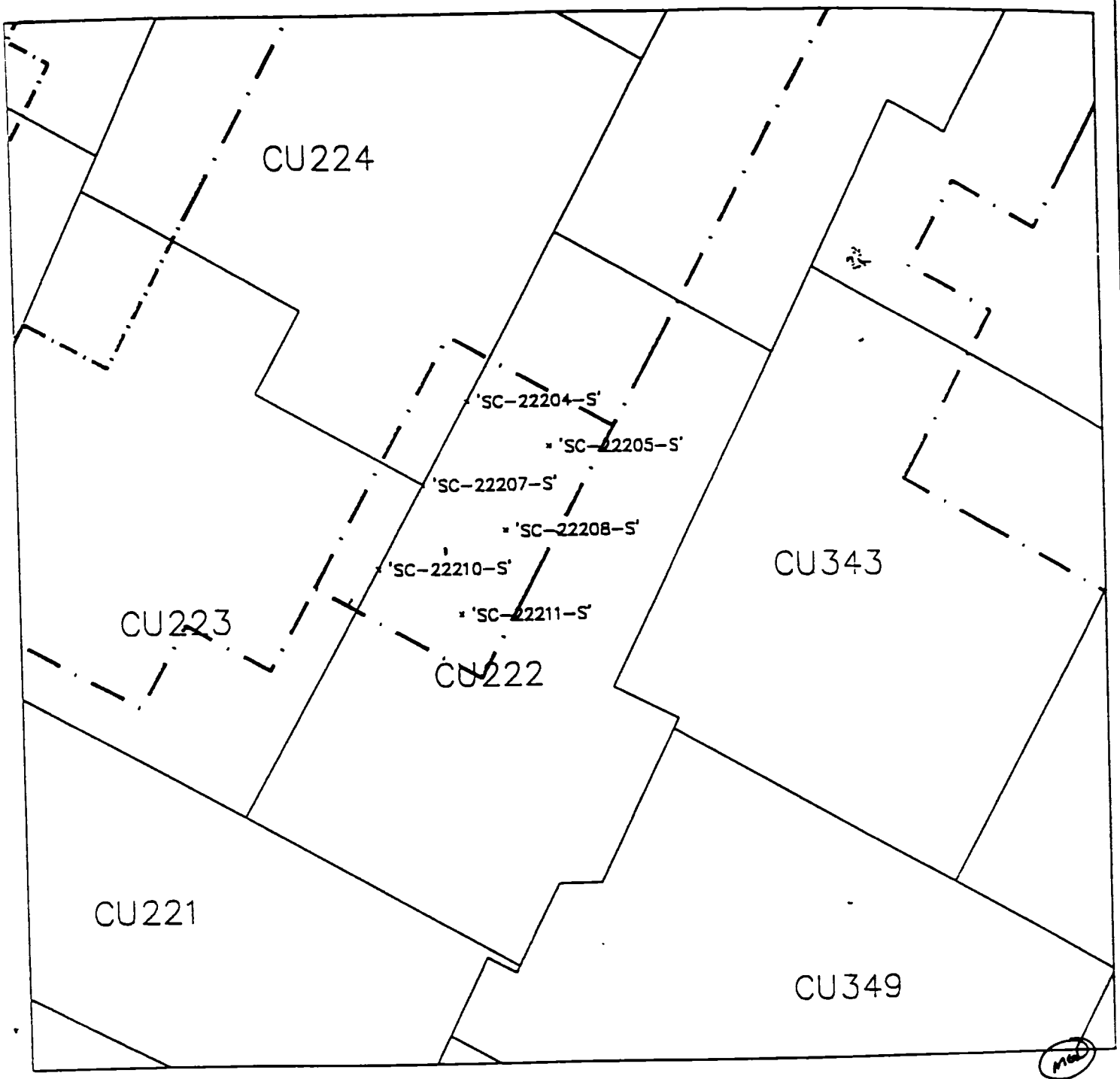
N

Radiation Survey Form WP 437, RU 21 **CU** 223

Date Plotted 5/21/00 DEO CAD

Meter Model #:	2221	**Detector Model #:**	2x2 NaI 8" p
Meter Serial #:	154149	**Detector Serial #:**	17606
Calibration Date:	2/09/01	**Calibration Date:**	11/21/01
Survey Date / Time:	5/20/00	**Field Bkg.:**	10,000 cpm
Surveyor(s):	C. Henner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 2223

Date Plotted 5/24/00

DBD CAD

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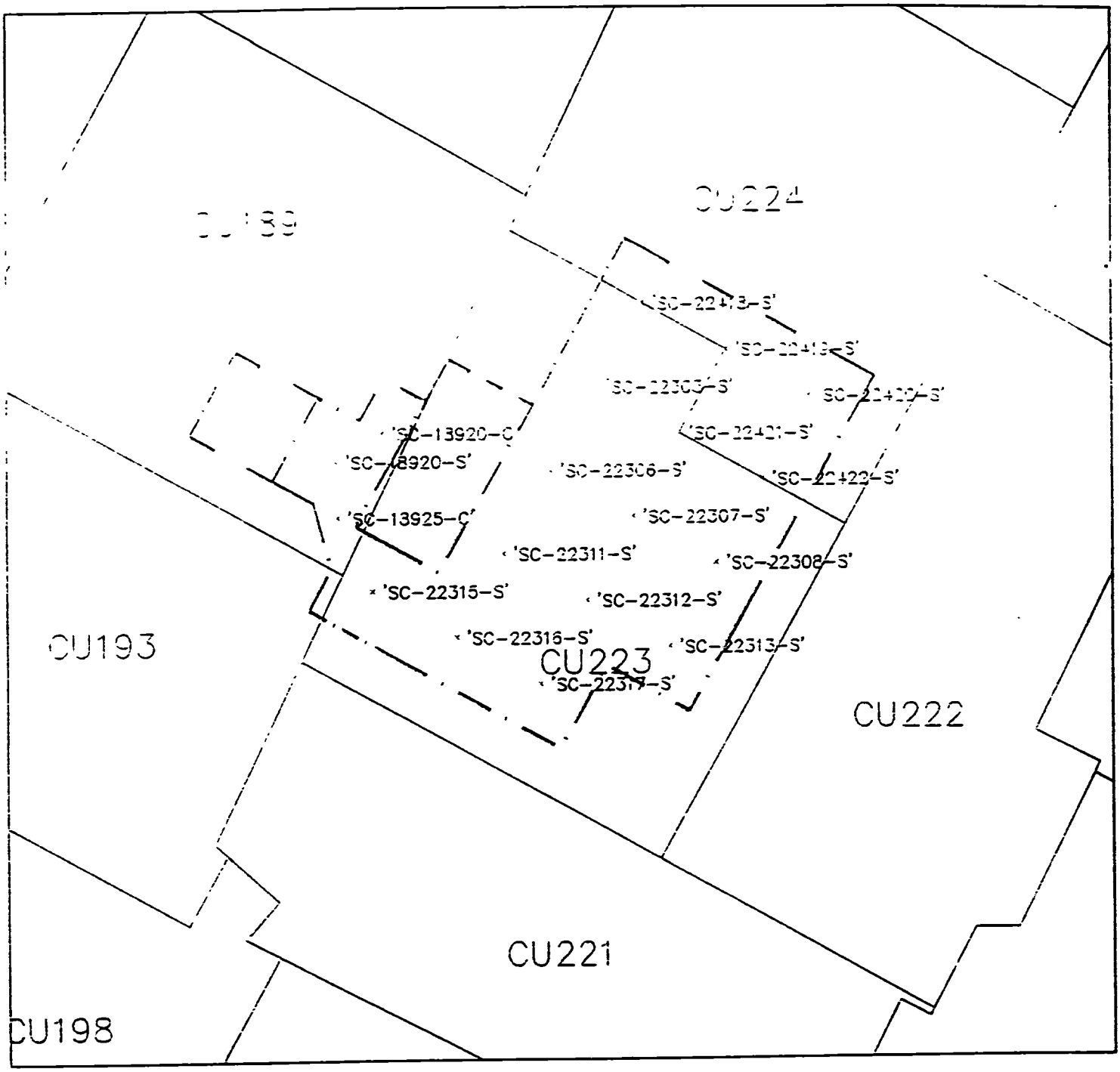
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date / Time:	5/23/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 223

Date Plotted 6/4/00

DBO CAD

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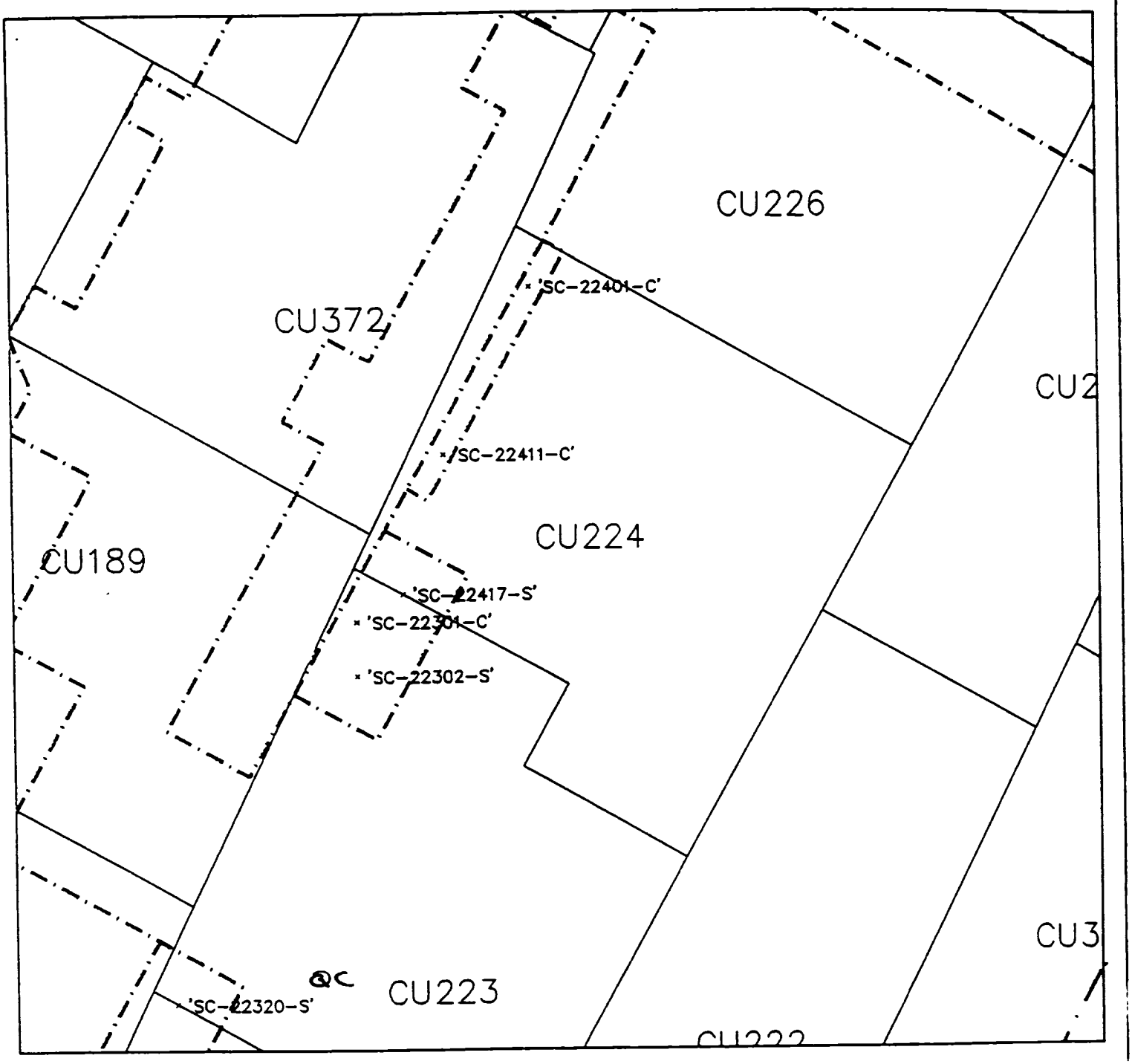
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date Time:	6/3/00	Field Bkg:	12,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background except two small hotspots. ESH-W was about 2 feet in diameter and twice background. ESH-N was about 1 foot in diameter and twice background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

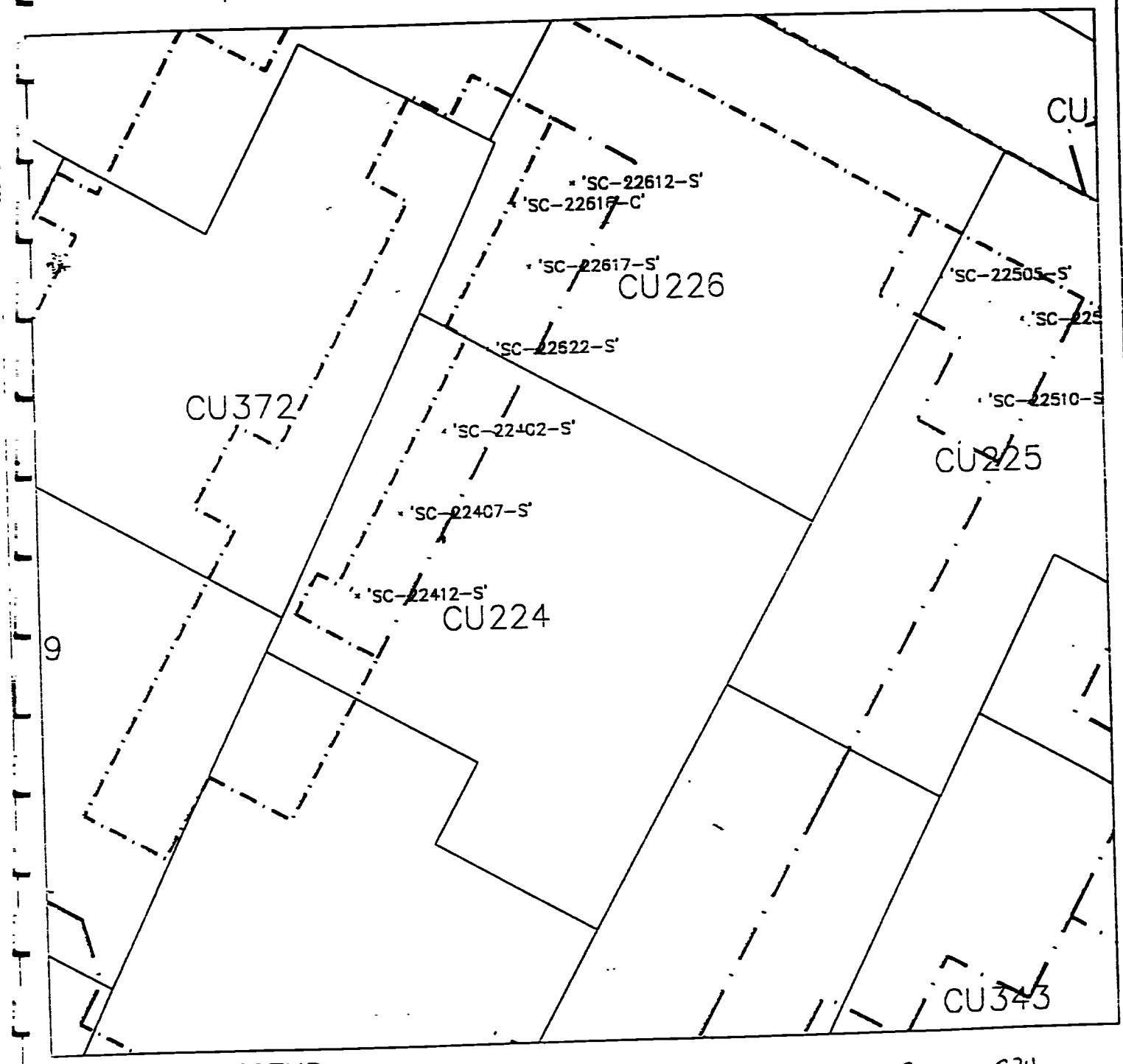
N

sampled 5-12-00

Radiation Survey Form WP 437, RU 21 CU 224

Date Plotted 5/10/00 DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 "F"
Meter Serial #:	99158	Detector Serial #:	122191
Calibration Due:	7/24/00	Calibration Due:	9/24/00
Survey Date / Time:	5/5/00	Field Bkg.:	5,000 CPM
Surveyor(s):	C. Hamner, T. Brown		
Comments:	All readings < 1.5 BKg		



LEGEND

'SC-32506-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

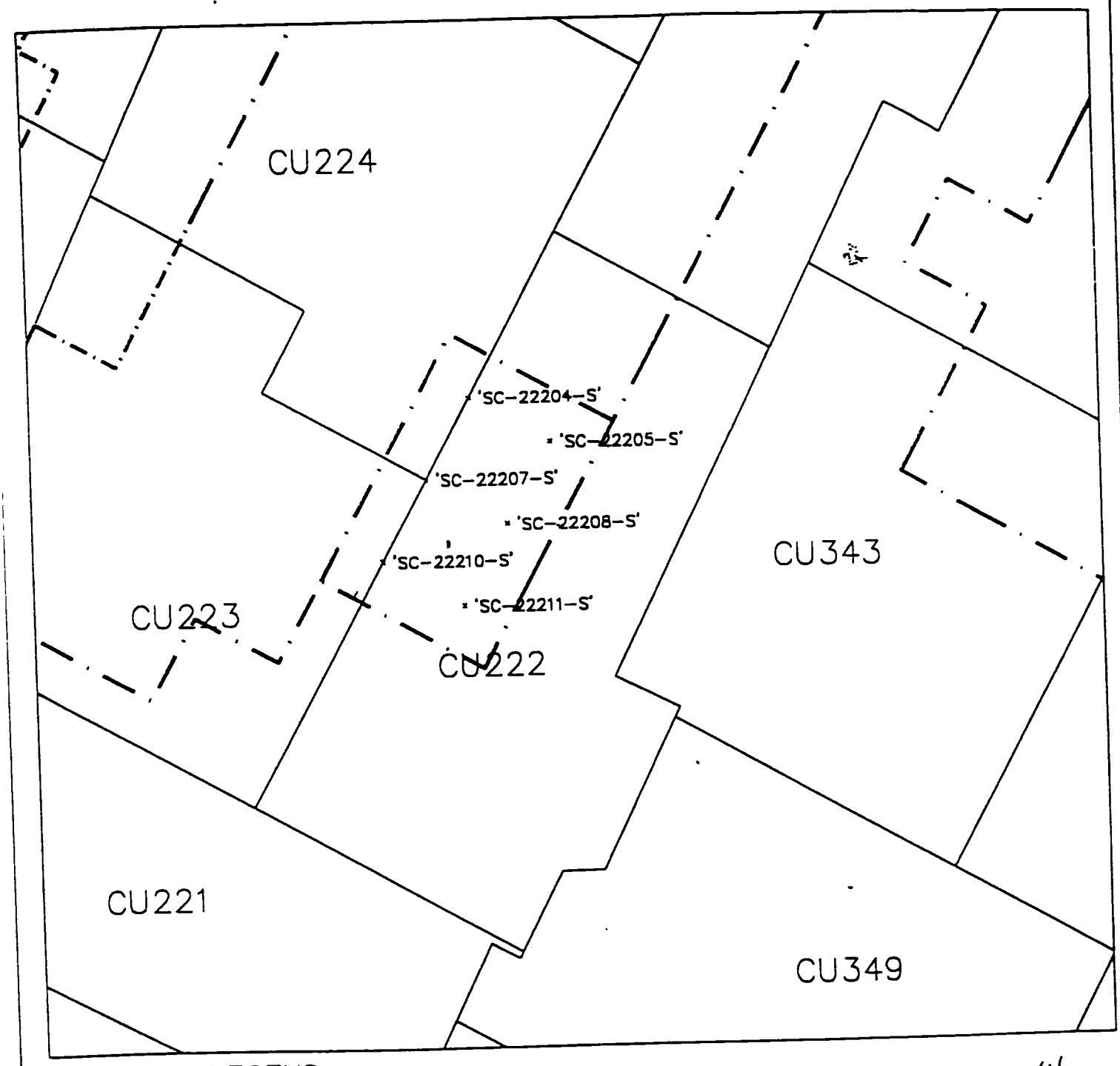
Radiation Survey Form WP 437, RU 21 CU 224

Date Plotted 5/23/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date / Time:	5/22/00	Field Stg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

• 'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

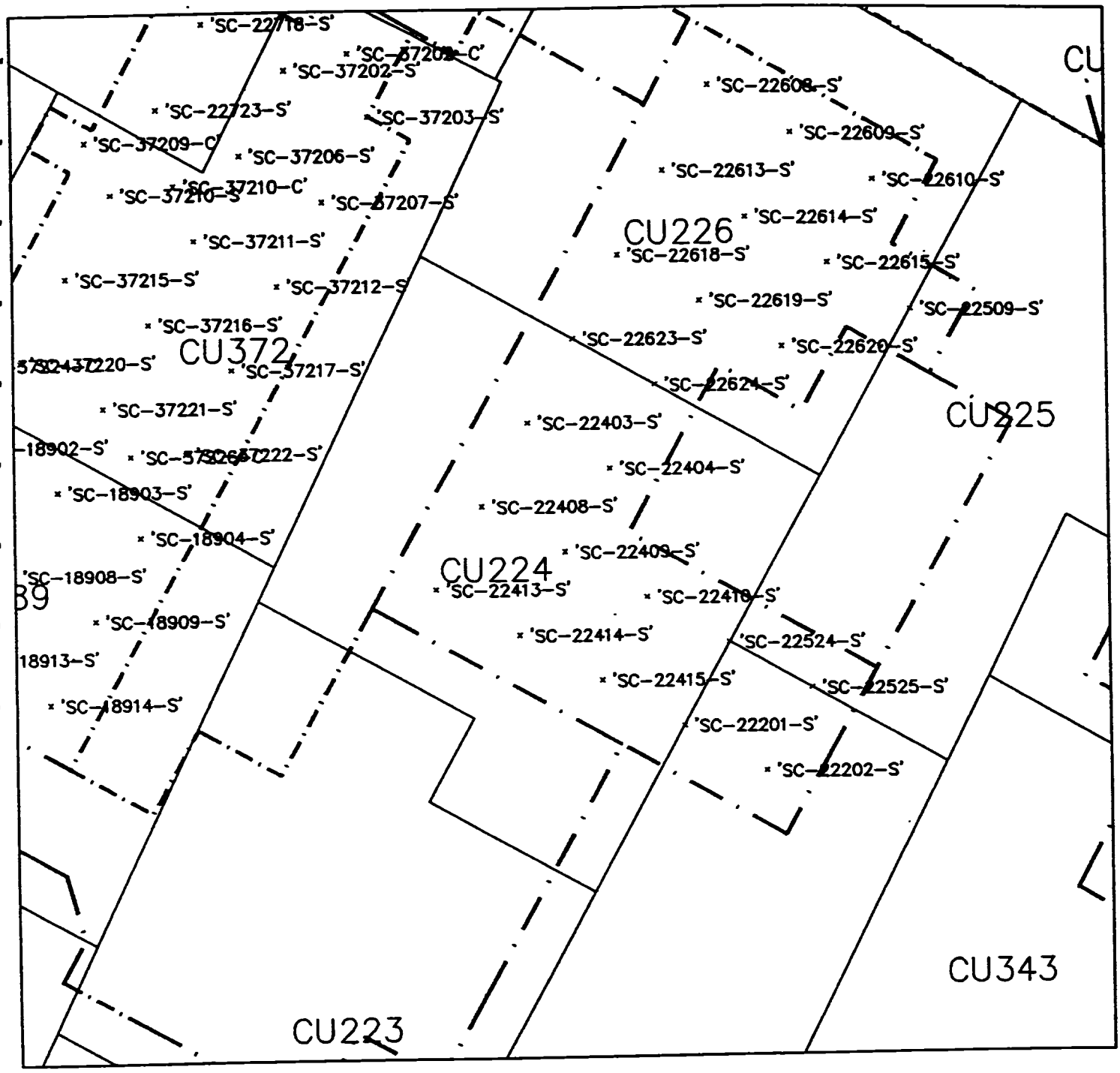
N

Radiation Survey Form WP 437, RU 21 CU 22~~7~~4

Date Plotted 5/24/00

Meter Model #:	2221	Detector Model #:	2x2 NaI "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date / Time:	5/23/00	Field Bkg.	10,000 cpm
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

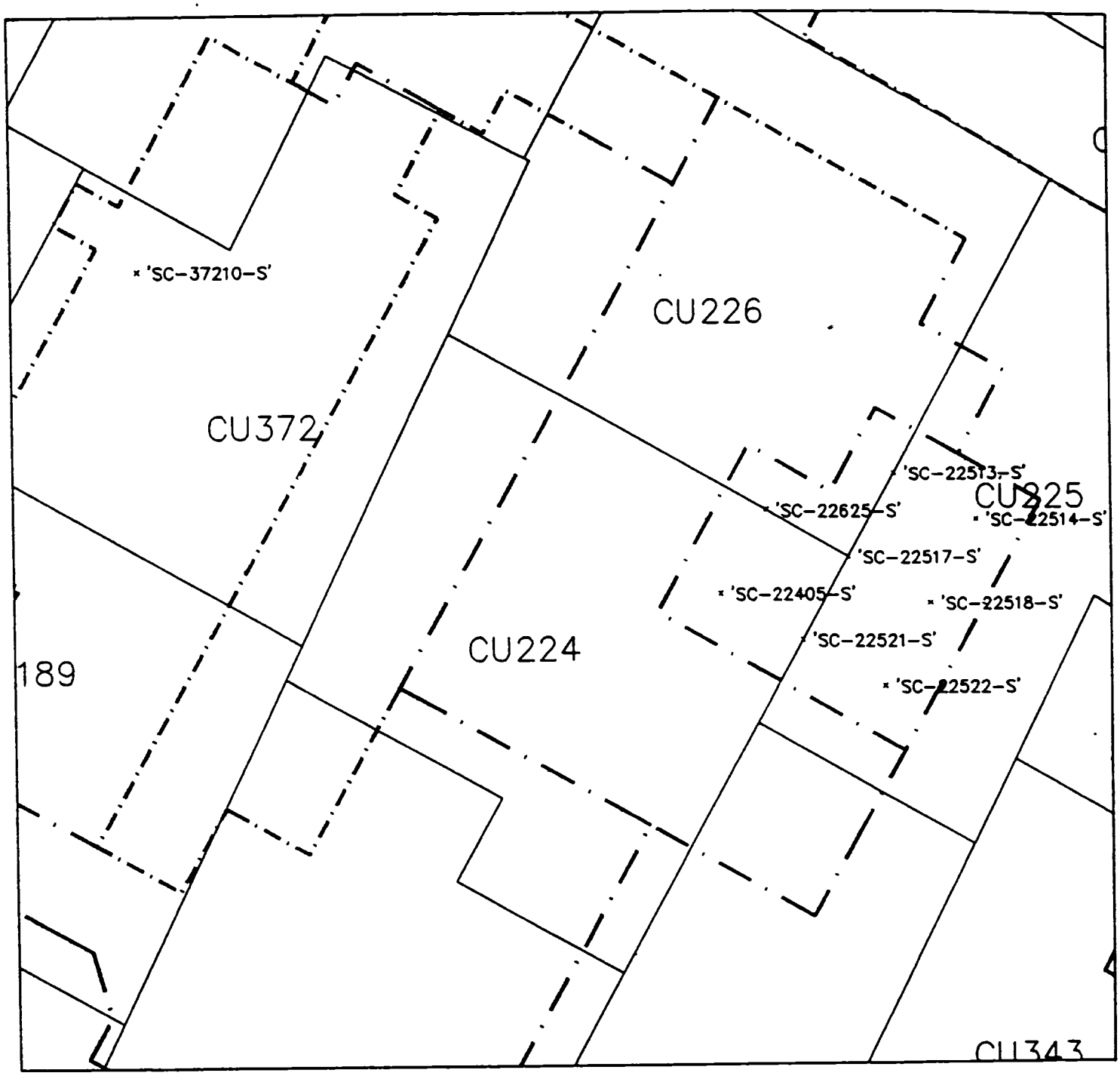
Radiation Survey Form WP 437, RU 21 CU 224

Date Plotted 6/2/00

DEIO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "P"
Meter Serial #:	154197	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date / Time:	6/2/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

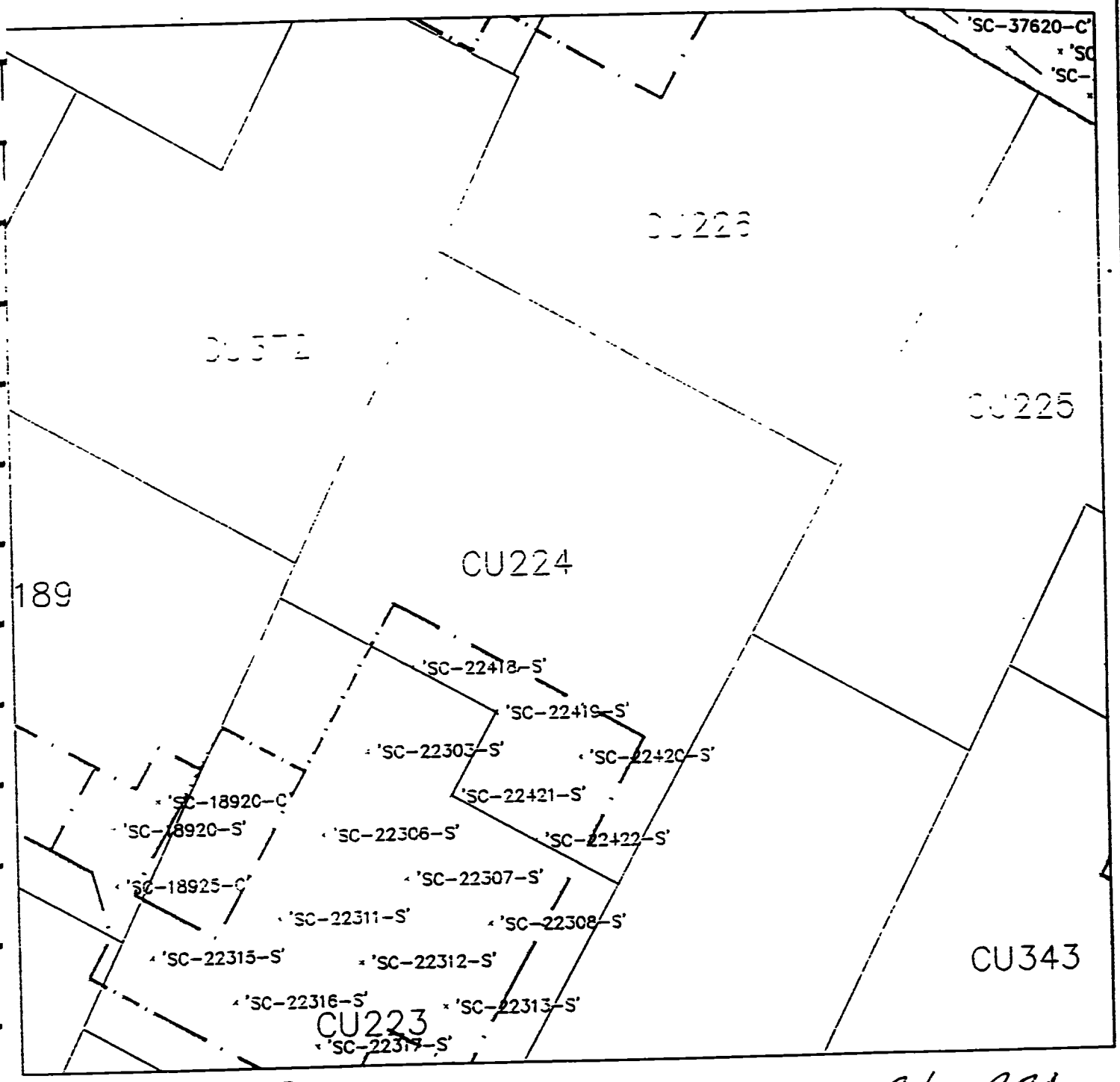
Radiation Survey Form WP 437, RU 21 CU 224

Date Plotted 6/3/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2 x 2 NaI 4 pi
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date / Time:	6/2/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32506-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

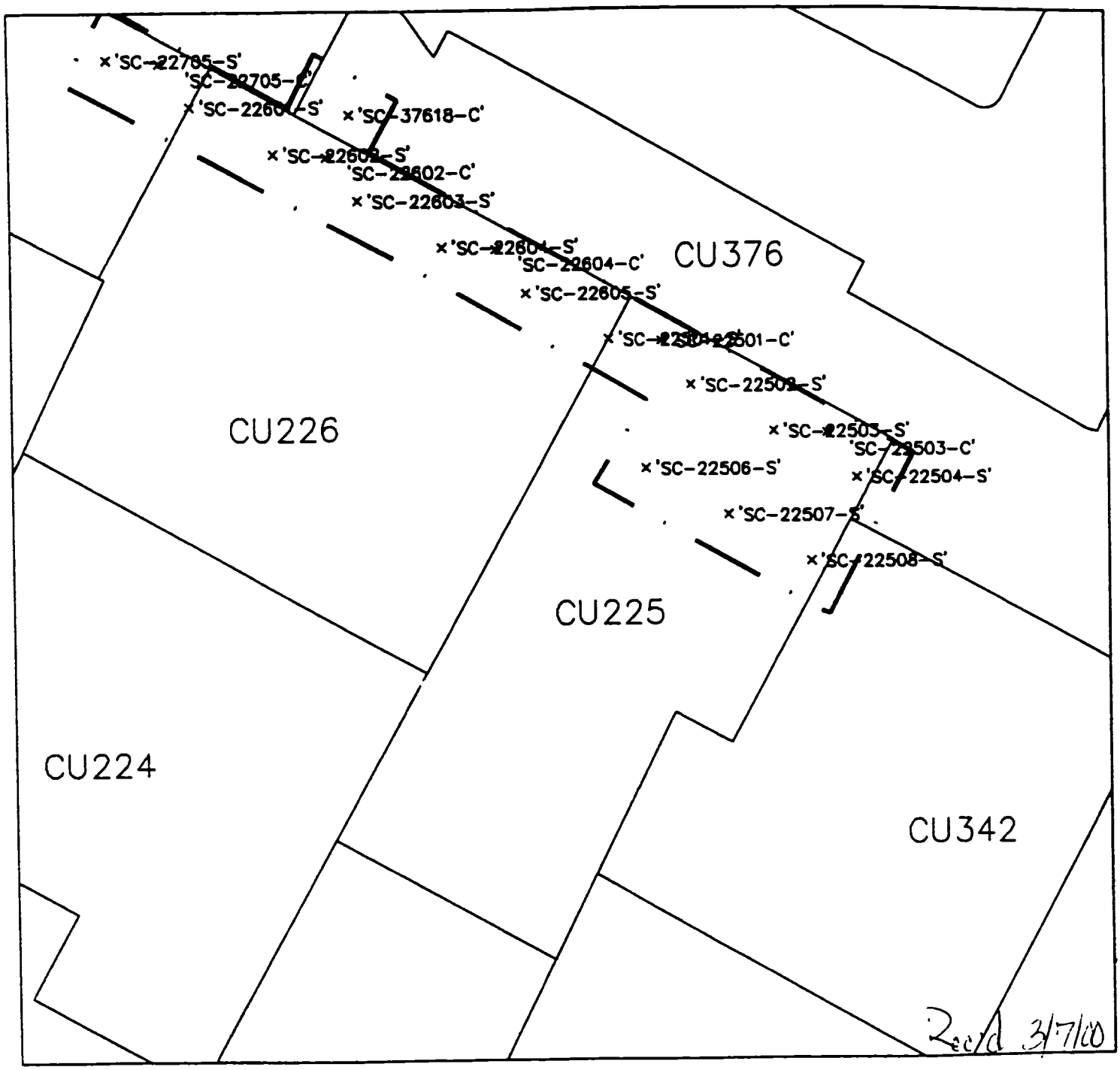
Radiation Survey Form WP 437, RU 21 CU 224

Date Plotted 6/4/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date, Time:	6/3/00	Field Stg:	12,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background.



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

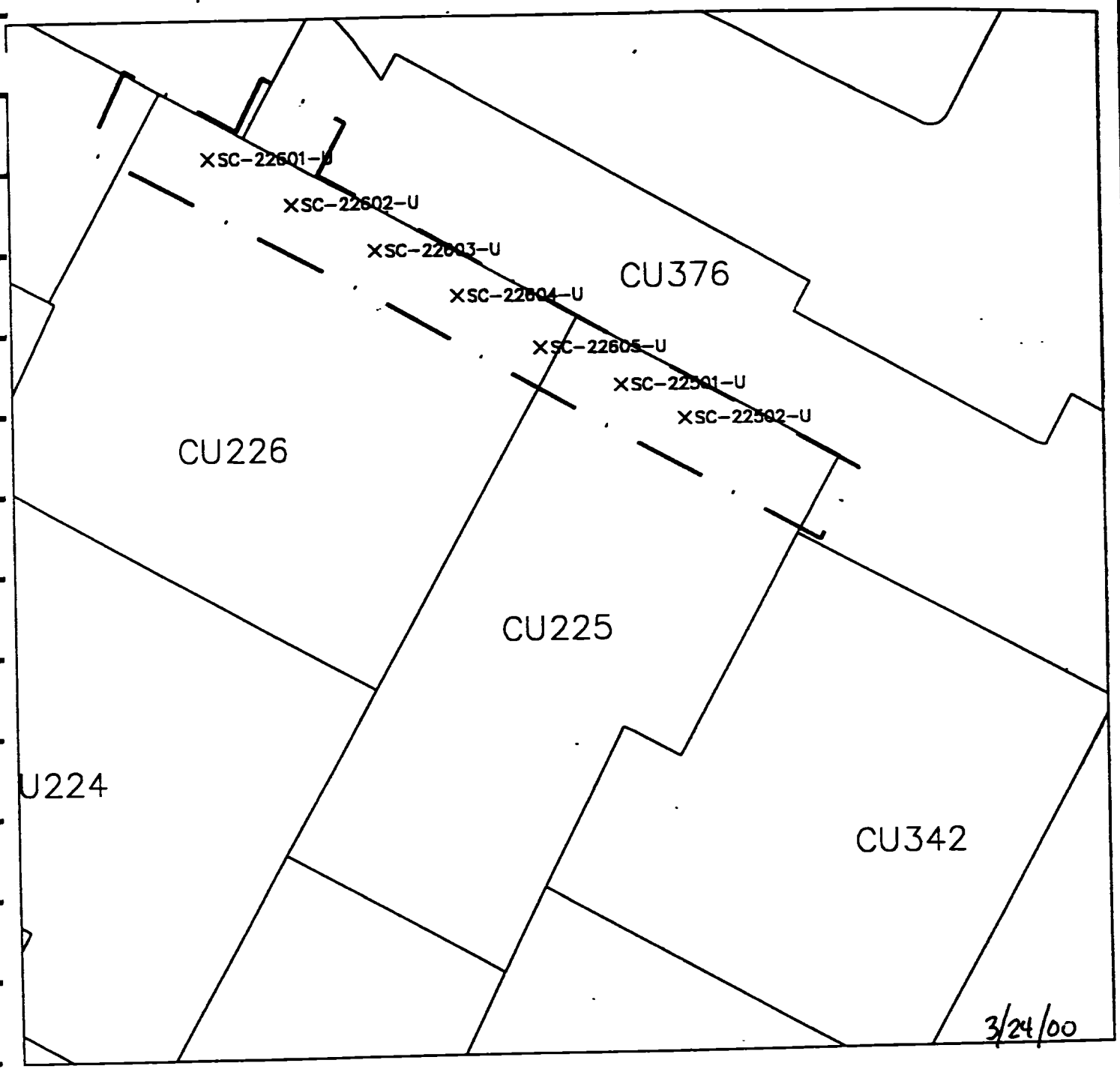
(IN FEET)

1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 225

DEO CAD

Meter Model #:	~~TBD-10~~ 2221	Detector Model #:	44-10 'F'
Meter Serial #:	99158	Detector Serial #:	122191
Calibration Date:	7/24/00	Calibration Date:	8/19/00
Survey Date / Time:	3/4/00	Field Bkg.:	5000 CPM
Surveyor(s):	T. Brown		
Comments:	All readings <1.5 Bkg		



LEGEND

• 'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 225

DHO CAD

Meter Model #: 2221 Detector Model #: 2x2 NaI "M"

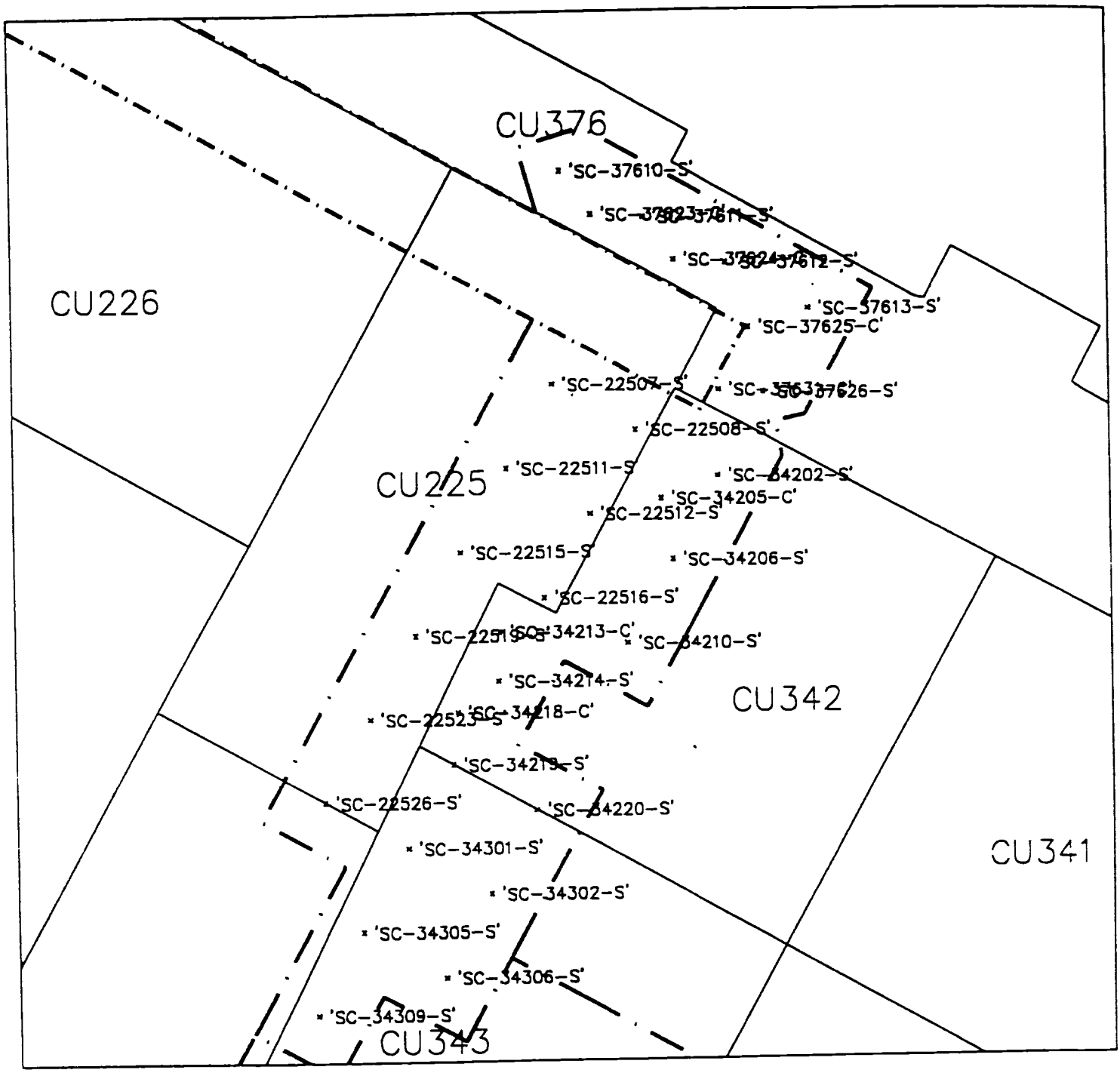
Meter Serial #: 117617 Detector Serial #: 130764

Calibration Date: 10/13/00 Calibration Date: 9/24/00

Survey Date / Time: 3/24/00 Field Bkg.: 6000 cpm

Surveyor(s): C. Hanner

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

· 'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

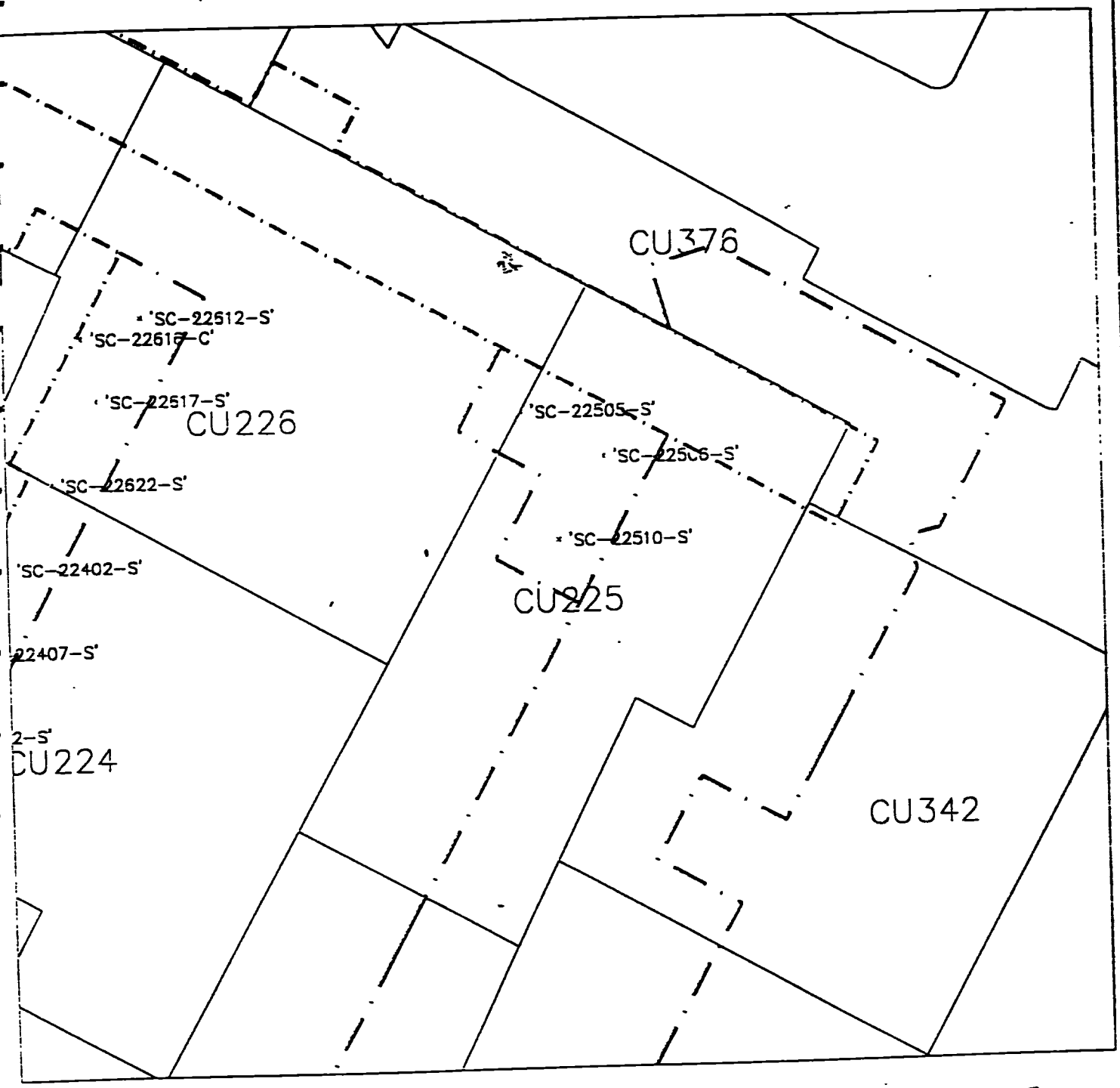
N

Radiation Survey Form WP 437, RU 21 CU 225

Date Plotted 5/20/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 "F"
Meter Serial #:	99158	Detector Serial #:	122191
Calibration Date:	7/24/00	Calibration Date:	9/29/00
Survey Date / Time:	5/19/00	Field Bkg.	4,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 Bkg.		



LEGEND

· 'SC-32506-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

N

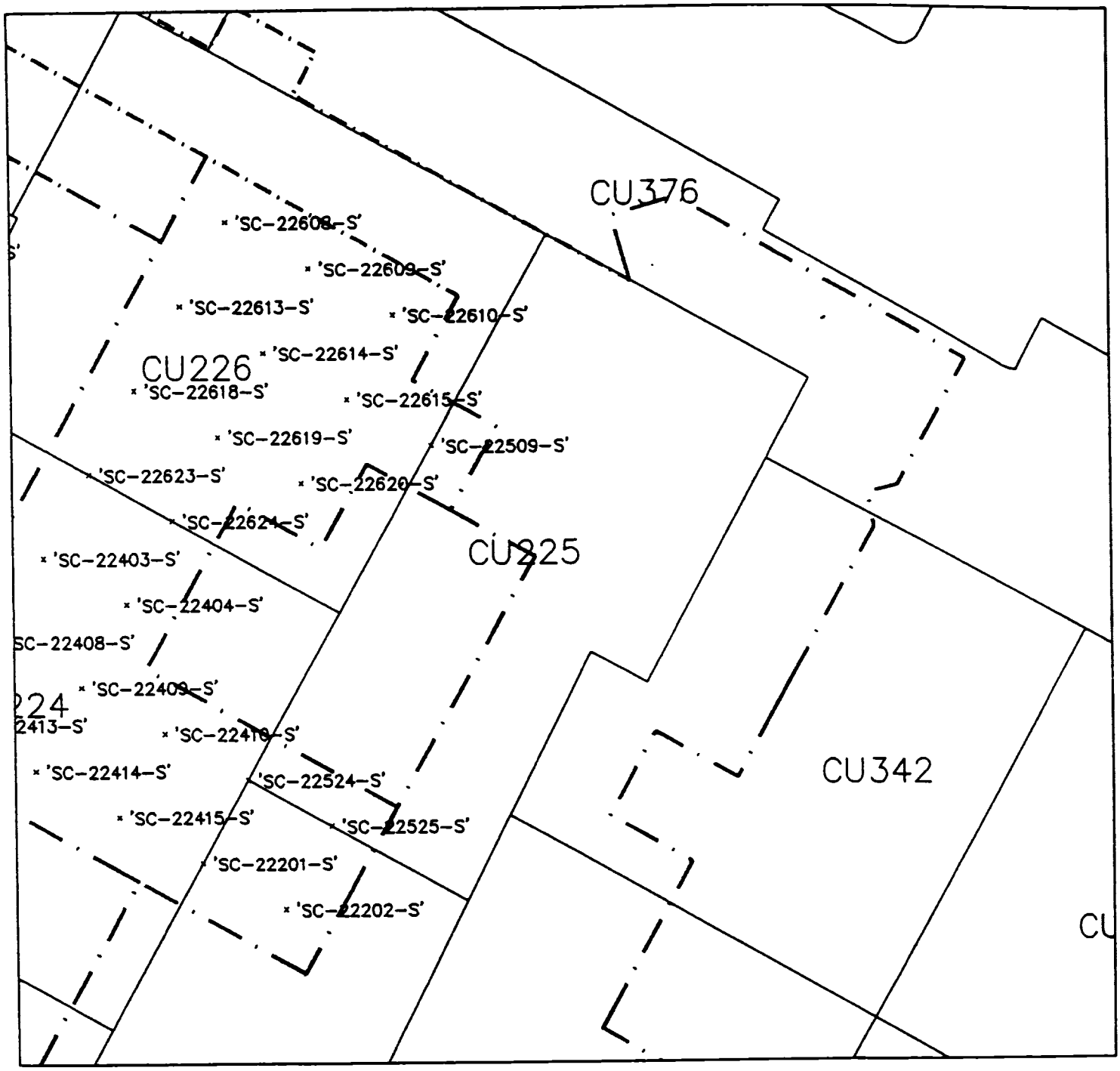
Radiation Survey Form WP 437, RU 21 CU 225

Date Plotted 5/23/00

DBD CAD

Meter Model #:	2221	Detector Model #:	3x3 NaI "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date / Time:	5/22/00	Field Stg.:	10,000 cpm
Surveyor(s):	C. Hener		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

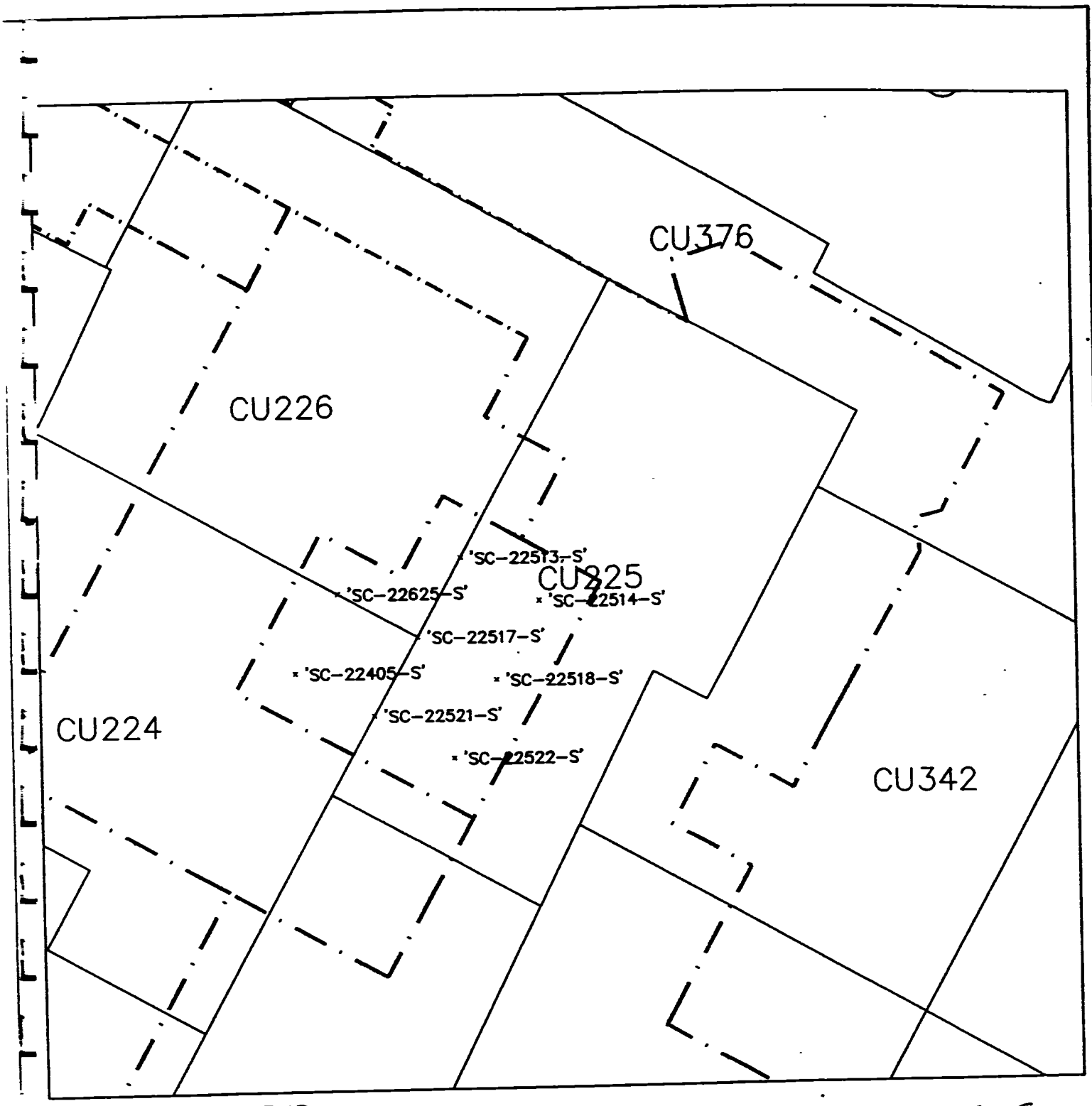
N

Radiation Survey Form WP 437, RU 21 CU 225

Date Plotted 6/2/00 DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/31/01
Survey Date / Time:	6/2/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

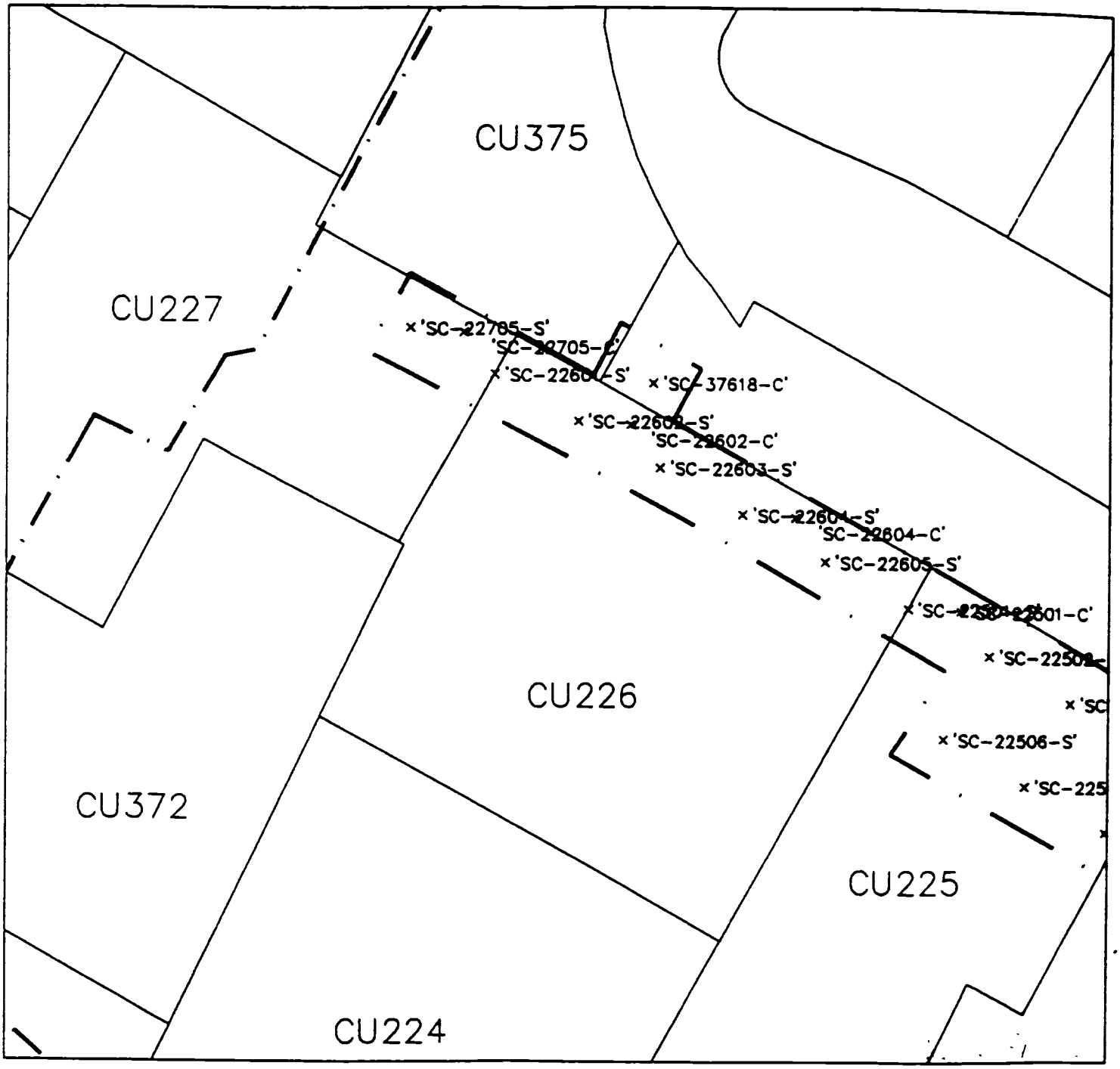
Radiation Survey Form WP 437, RU 21 CU 225

Date Plotted 6/3/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "p"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date / Time:	6/2/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

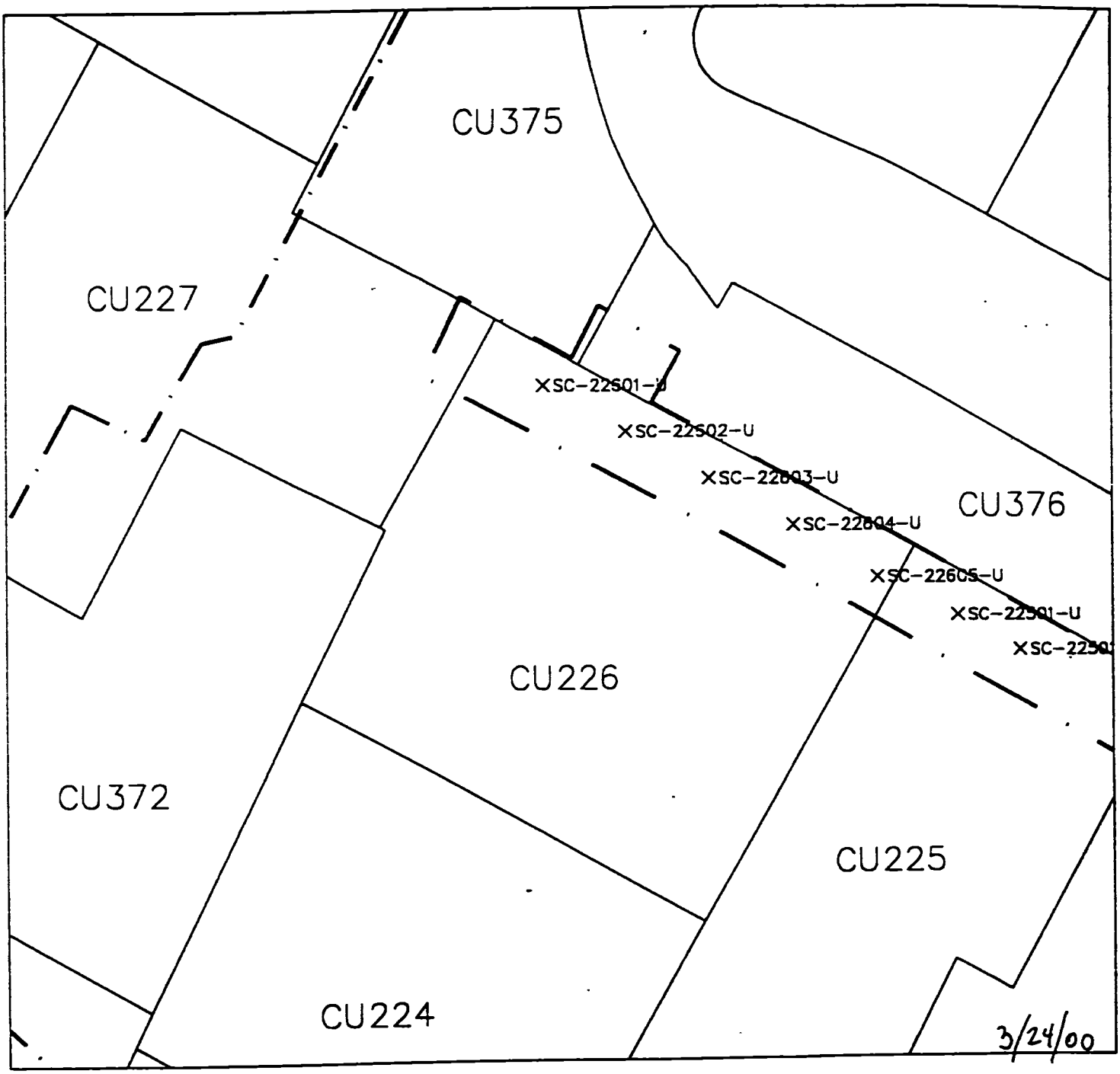
50 0 50 100

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 226

HBD CAD

Meter Model #:	2221	Detector Model #:	44-10 '4'
Meter Serial #:	99158	Detector Serial #:	122191
Calibration Date:	7/24/00	Calibration Date:	8/19/00
Survey Date / Time:	3/4/00	Field Bkg.:	5,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings < 1.5 Bkg		



LEGEND

Radiation Survey Form WP 437, RU 21 CU 226

DEO CAD

• 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

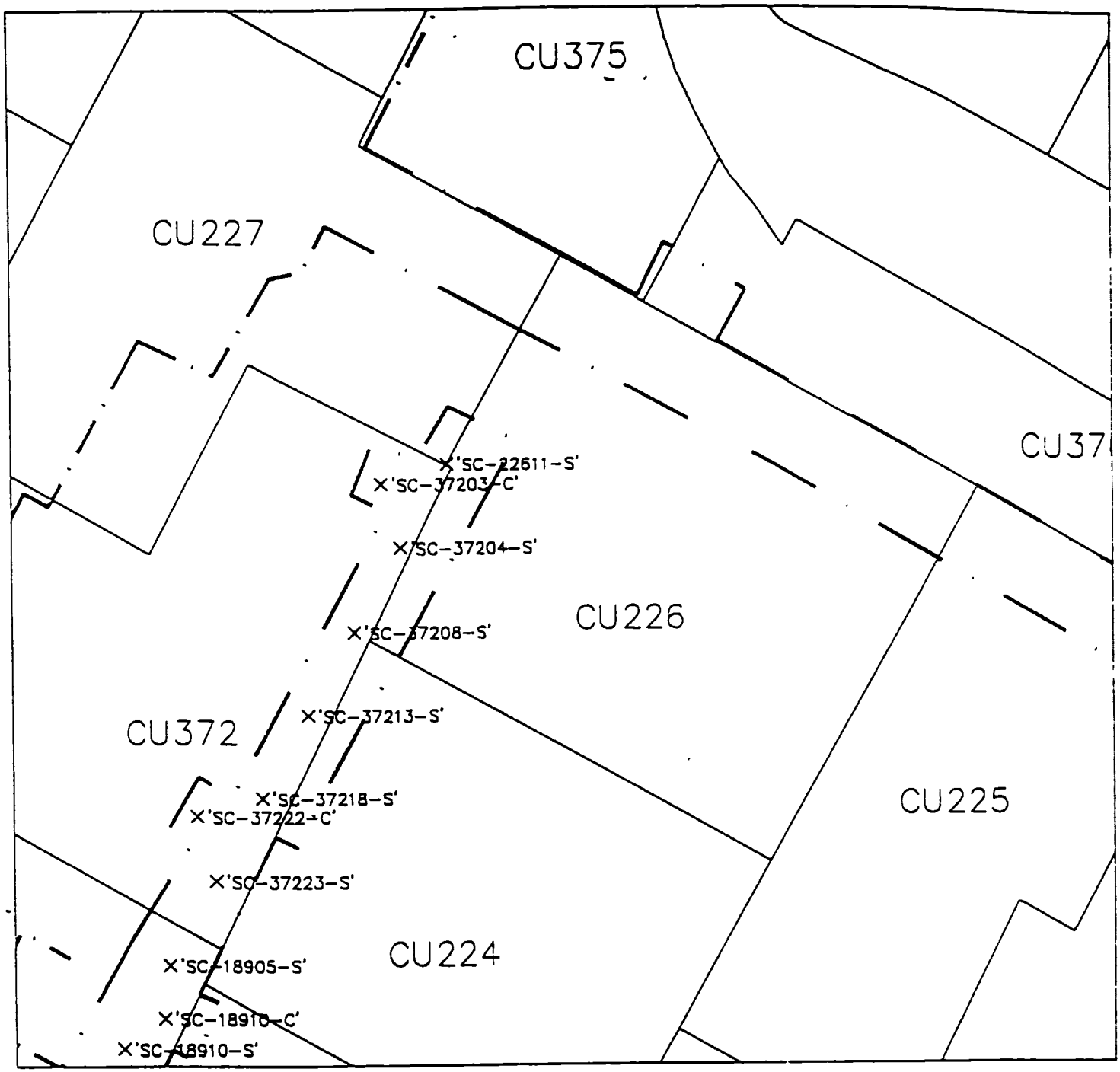
50 0 50 100

(IN FEET)

1 inch = 50 ft.

Meter Model #:	2221	Detector Model #:	2x2 NaI "M"
Meter Serial #:	117617	Detector Serial #:	130764
Calibration Date:	10/13/00	Calibration Date:	9/24/00
Survey Date/Time:	3/24/00	Field Bkg:	6000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

(IN FEET)

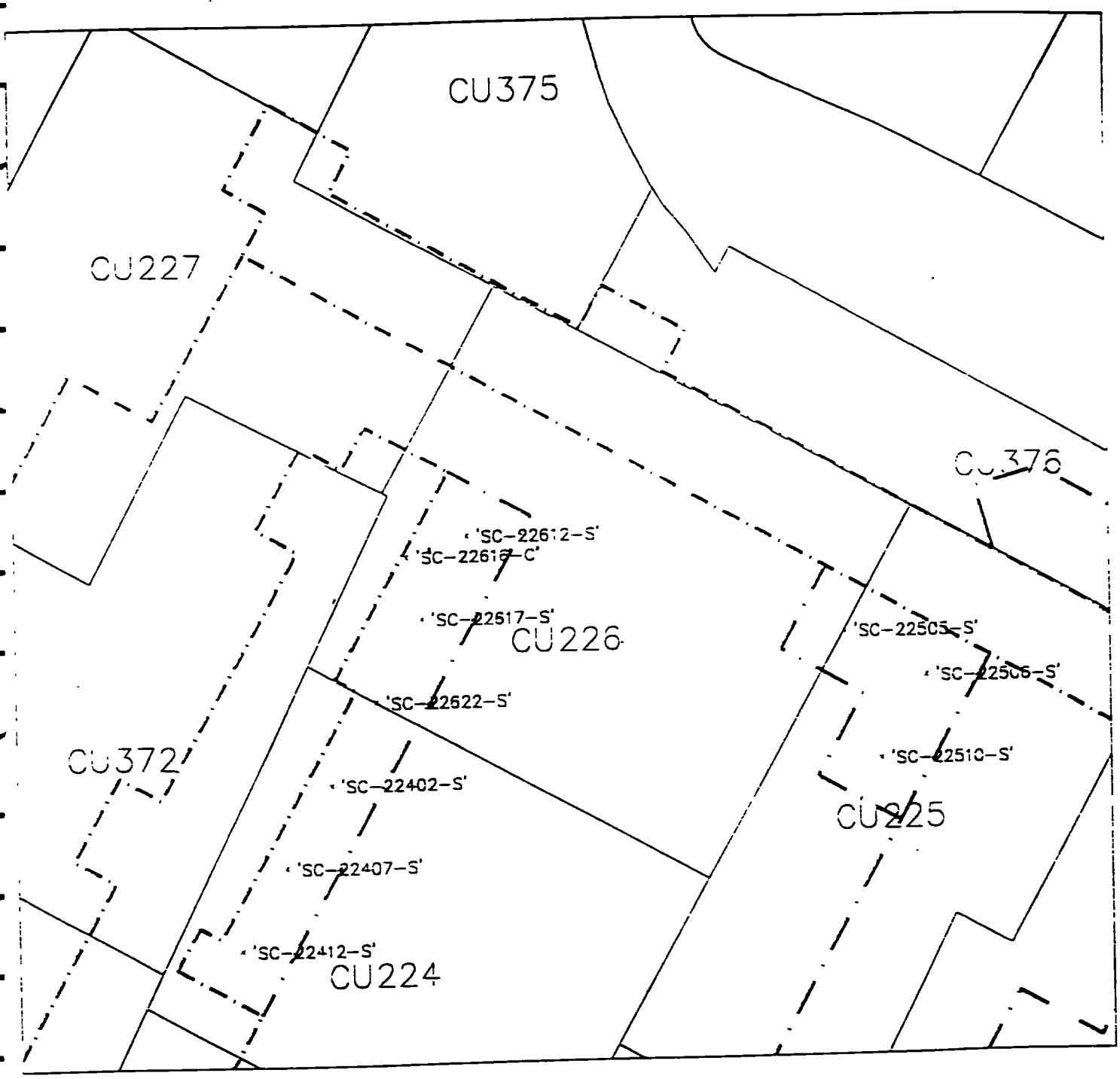
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 226

Date Plotted _____ DBD CAD

Meter Model #:	2221	Detector Model #:	2x2 N-I "m"
Meter Serial #:	117617	Detector Serial #:	130764
Calibration Due:	10/13/00	Calibration Due:	9/24/00
Survey Date / Time:	3/30/00	Field Bkg.:	6000 cpm
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 226

Date Plotted 5/23/00

DBD CAD

Meter Model #: 2221

Meter Serial #: 154199

Calibration Date: 2/09/01

Survey Date / Time: 5/22/00

Surveyor(s): S. Hacker

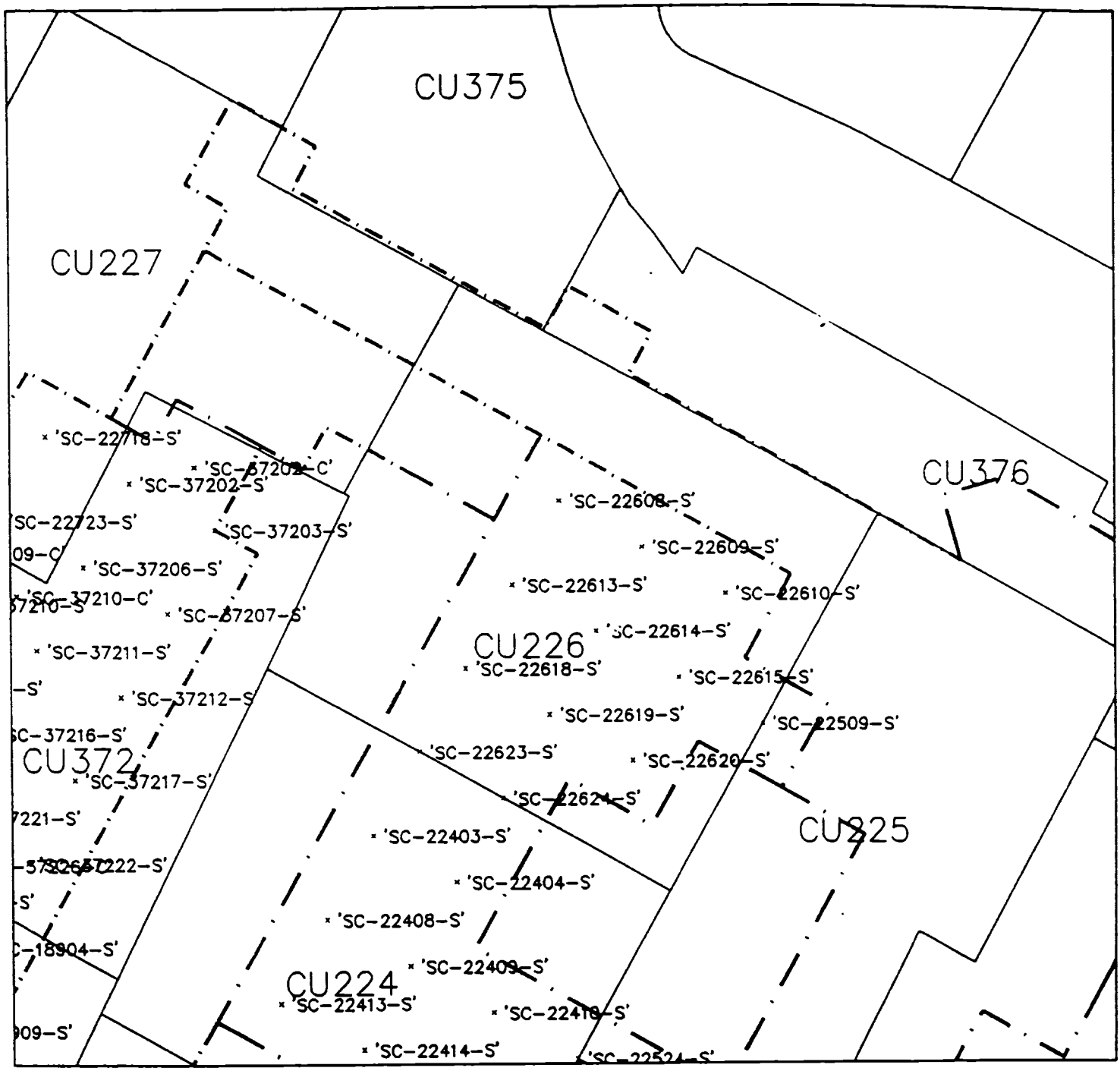
Detector Model #: 2+2 NaI "P"

Detector Serial #: 17606

Calibration Date: 1/21/01

Field Size: 10,000 Sq-

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

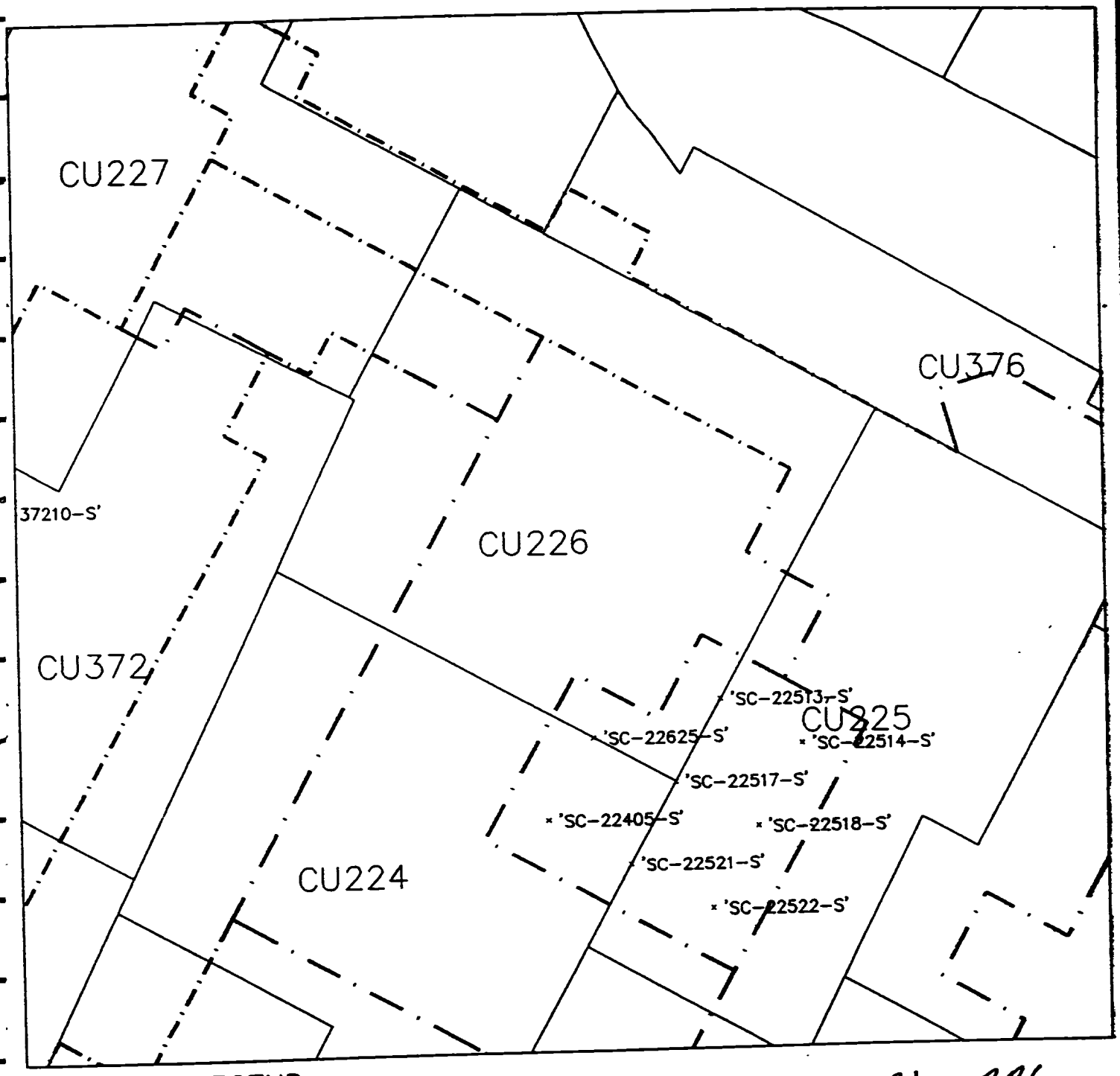
Radiation Survey Form WP 437, RU 21 CU 226

Date Plotted 6/2/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI 1"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/04/01	Calibration Date:	1/2/01
Survey Date / Time:	6/2/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background.



LEGEND

· 'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

N

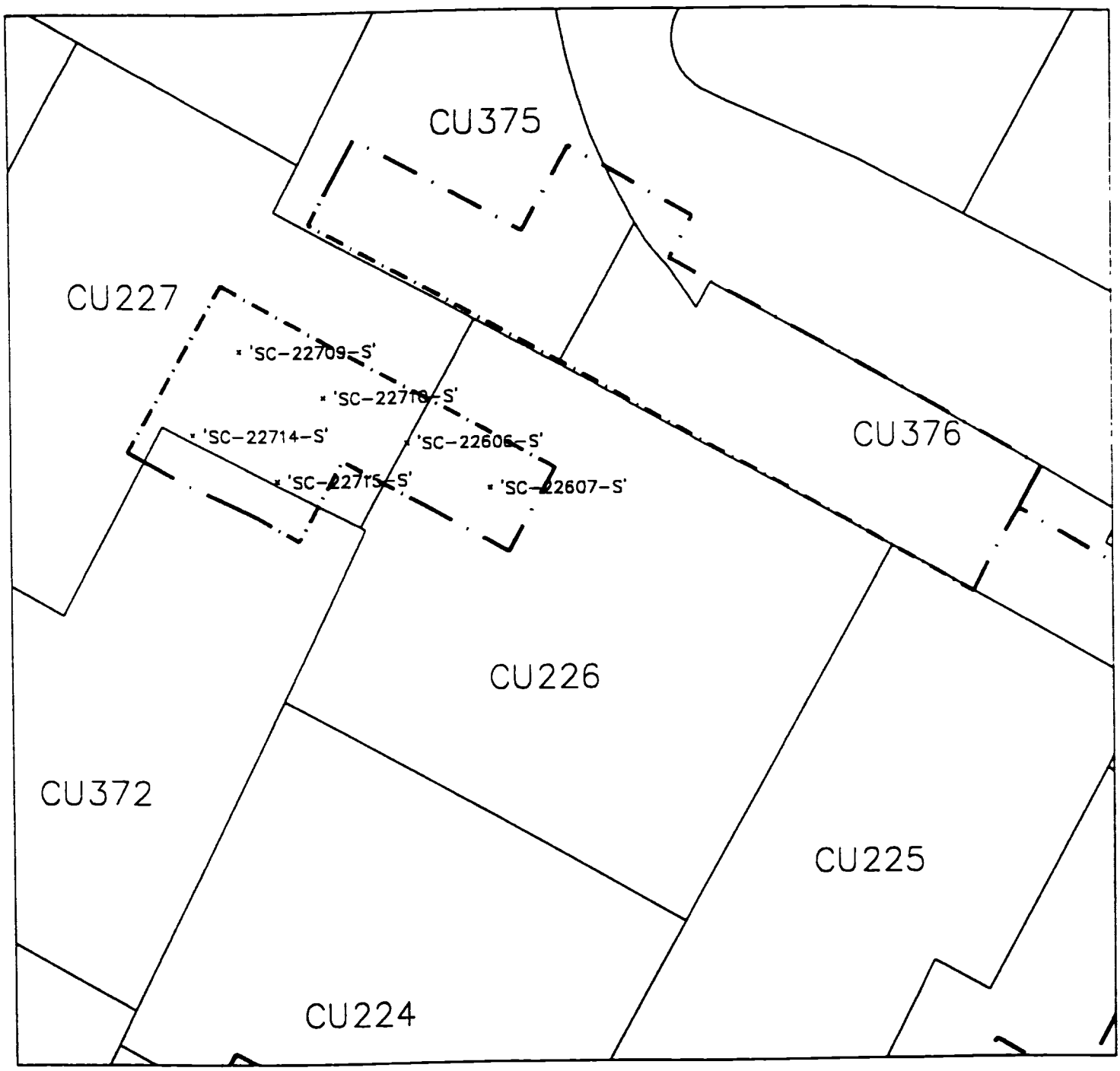
Radiation Survey Form WP 437, RU 21 CU 226

Date Plotted 6/3/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/09/01	Calibration Date:	1/21/01
Survey Date / Time:	6/2/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hamer		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 **CU** 226

Date Plotted 6/07/00 **DBD CAD**

Meter Model #: 2221 **Detector Model #:** 2x2 NaI "P"

Meter Serial #: 154199 **Detector Serial #:** 17606

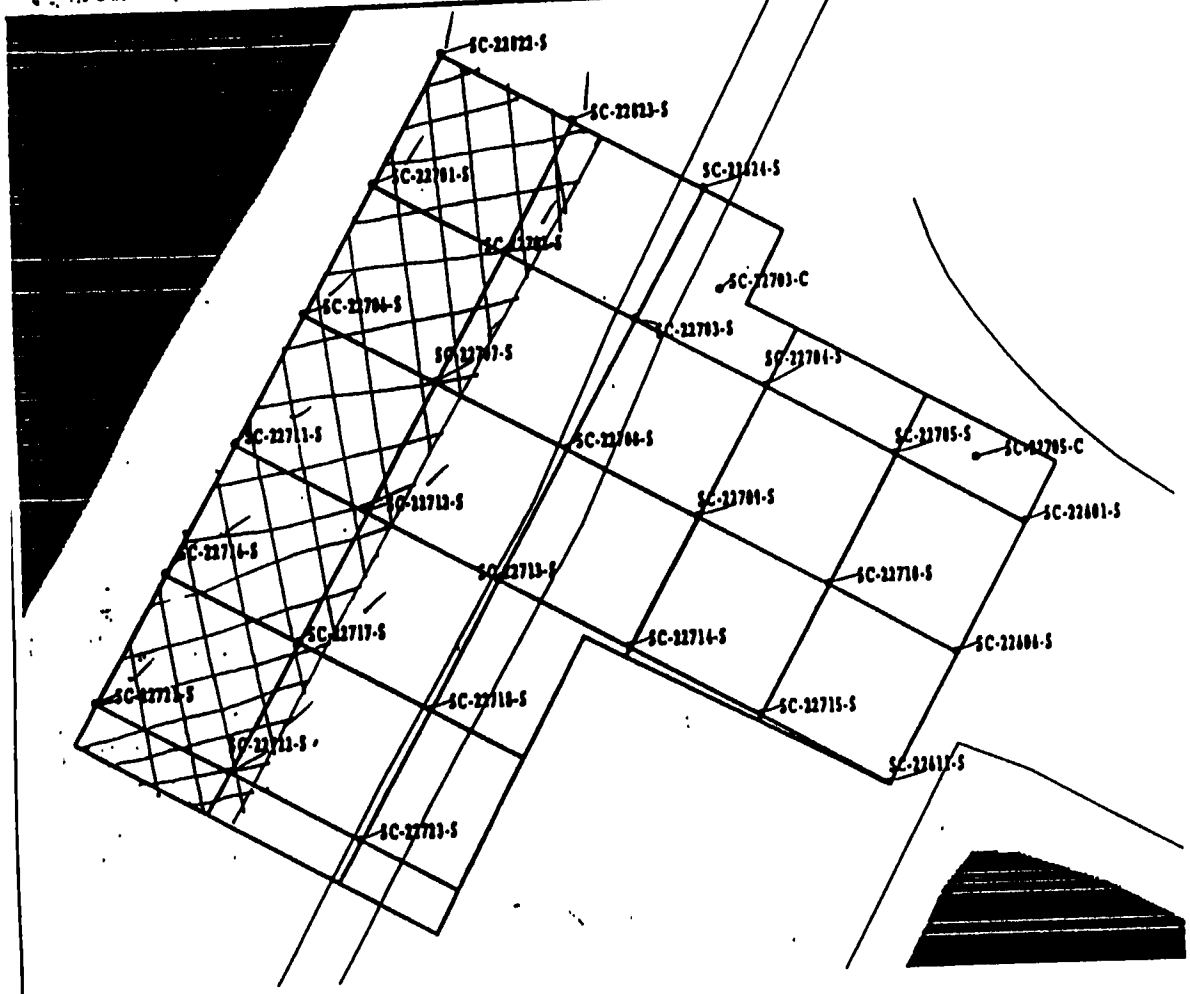
Calibration Date: 2/09/00 **Calibration Date:** 11/21/01

Survey Date / Time: 6/7/00 **Field Bkg.:** 11,000 cpm

Surveyor(s): C. Hamner

Comments: Area was surveyed and found to be less than 1.5 times background

Radiation Survey Form WP 437, RU021CU227



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N W E S

Meter Model#: 2221 Detector Model#: 44-10

Meter Serial#: 4536 Detector Serial#: 4240

Calibration Due: 8-27-99 Calibration Due: 8-11-99

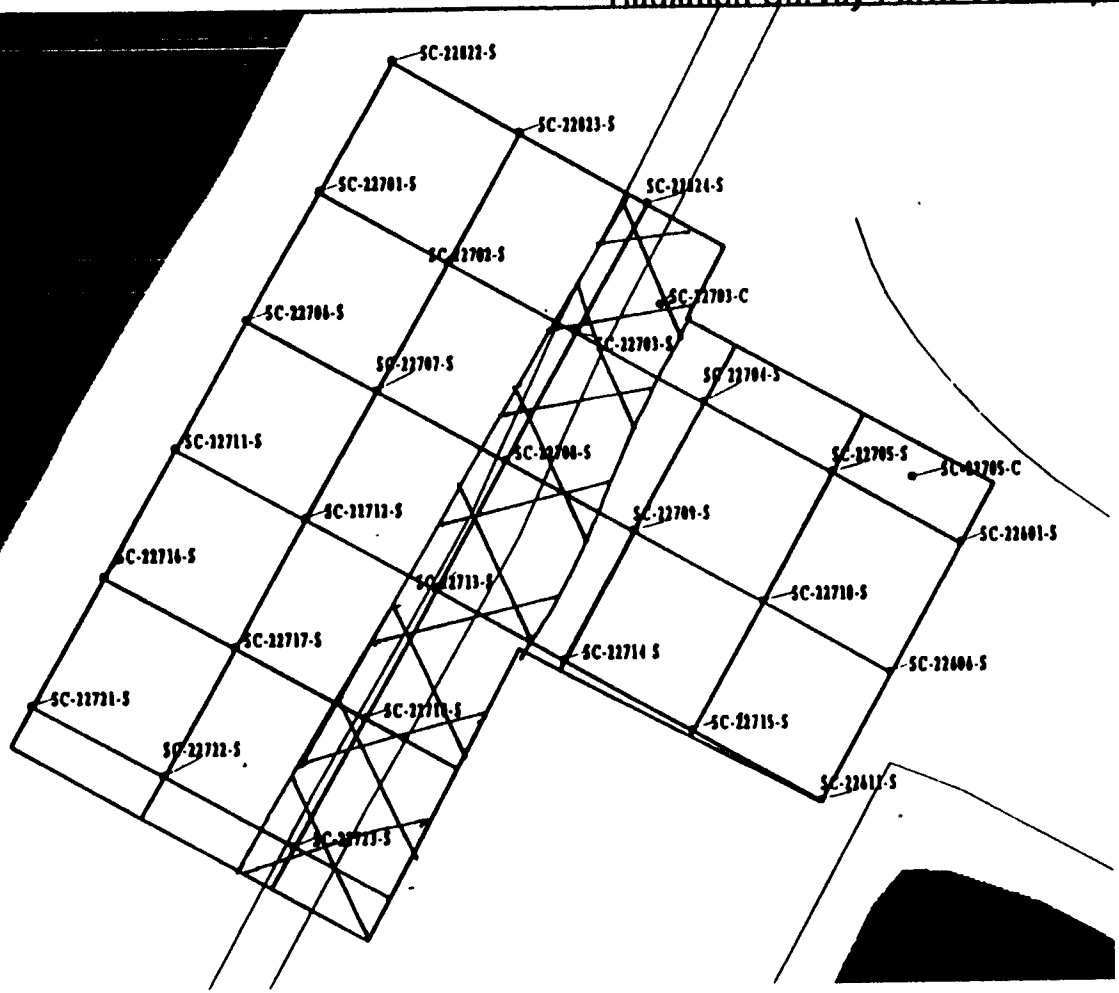
Survey Date/Time: 3/18/99 0900 Field Bkg.: 20,000 CPM

Surveyor(s): Tim Brower

Comments: All above areas surveyed & found to be less than 1½ times background

Roped off 3/27/99 KMA

Radiation Survey Form WP 437, RU021CU227



Rcvd 3/31/99 - Noon
(For interceptor trench proper)

WBSRAP GIS

Meter Model#: 2221 Detector Model#: ~~122191~~ TB 2x2

Meter Serial#: 127252 Detector Serial#: ~~44~~ TB 122191

Calibration Due: 8-27-99 Calibration Due: 8-11-99

Survey Date/Time: 3/31/99 0800 Field Bkg.: 10,000

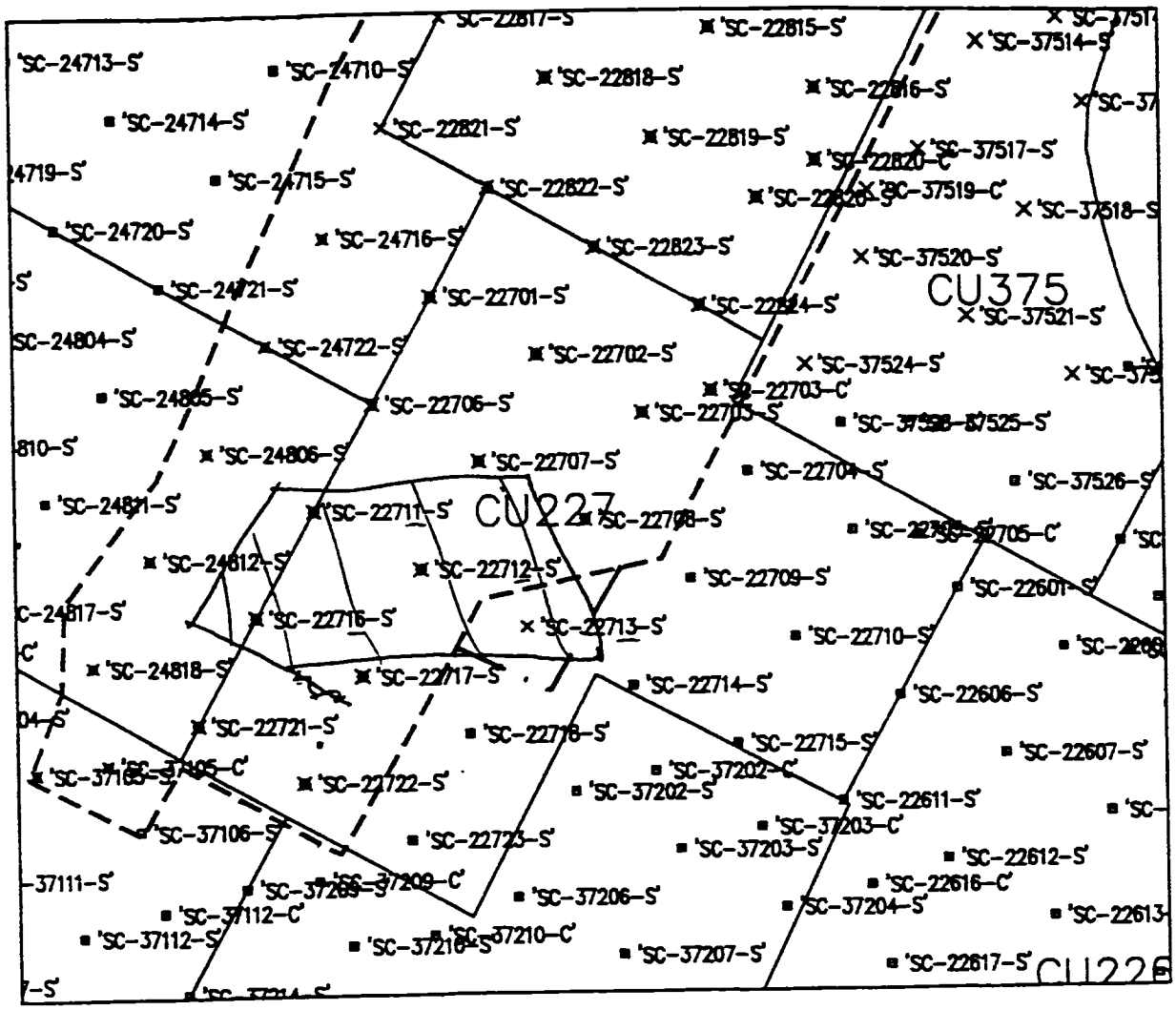
Surveyor(s): T. Brown & C. Henner

Comments: All readings <1.5 x background

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N W E S



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- ✖ 'SC-32606-S' SAMPLE POINTS PREVIOUSLY PINNED AND CONFIRMED
- — — — — CONFIRMED AREA
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 227

DBO CAD

Meter Model #:	2221	Detector Model #:	2X2
Meter Serial #:	122252	Detector Serial #:	F
Calibration Date:	8.27.99	Calibration Date:	8.11.99
Survey Date / Time:	5.20.99	Field Bkg.:	5,000 CPM
Surveyor(s):	MEDINA / BROWER		
Comments:	Area surveyed < 1.5 x Bkg. Area Bkg. ≈ 5,000 CPM		

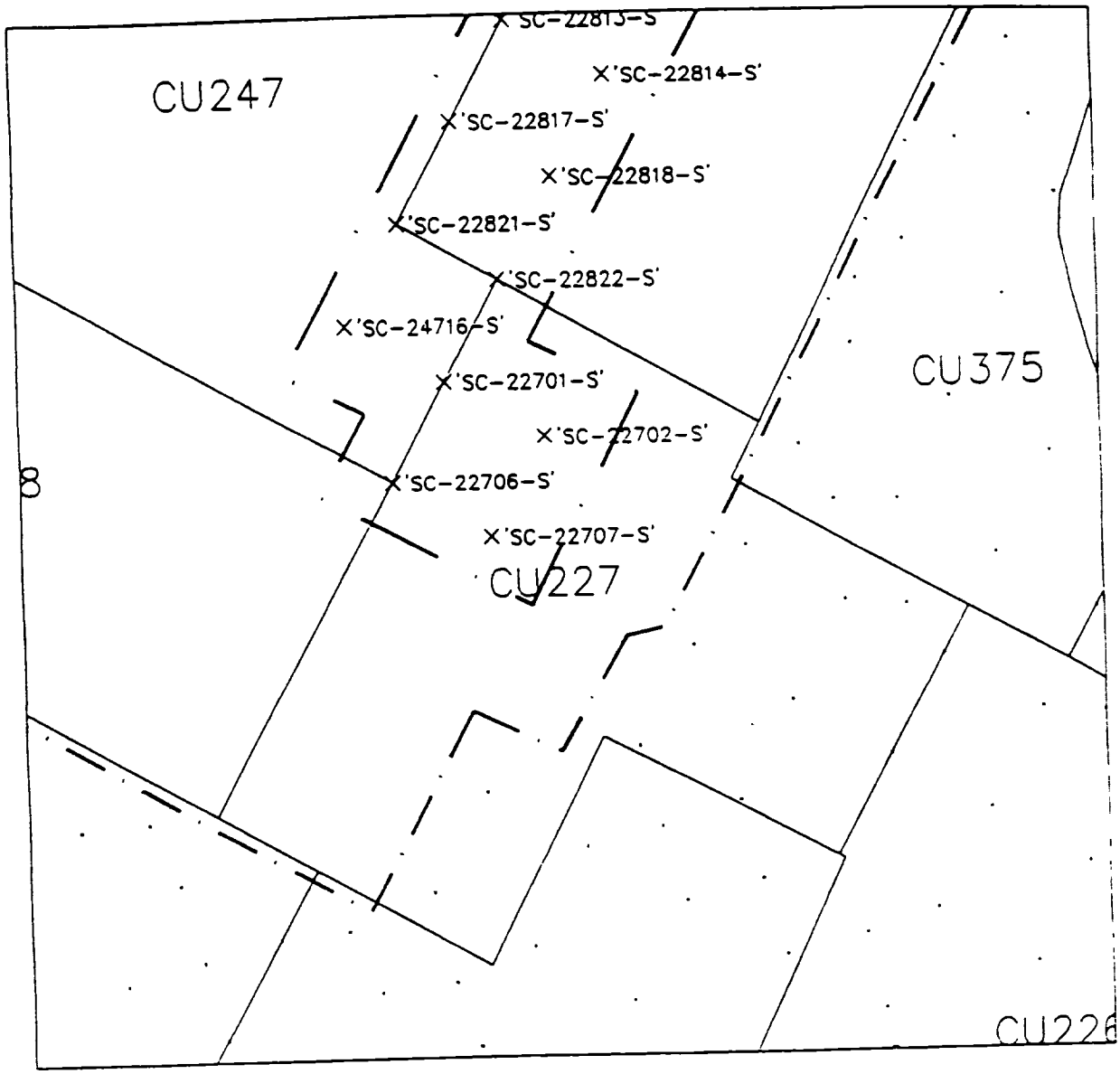
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



Rcvd 7/16/99
0720
(Sampled 7/15)

LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 227

DHO CAD

Meter Model #	2221	Detector Model #:	NaI "2x2"
Meter Serial #	117607	Detector Serial #:	25143
Calibration Due	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-14-99	Field Bkg.:	10,000 cpm
Surveyor(s):	G. Barker		
Comments:	All areas surveyed < 1.5 BKG		

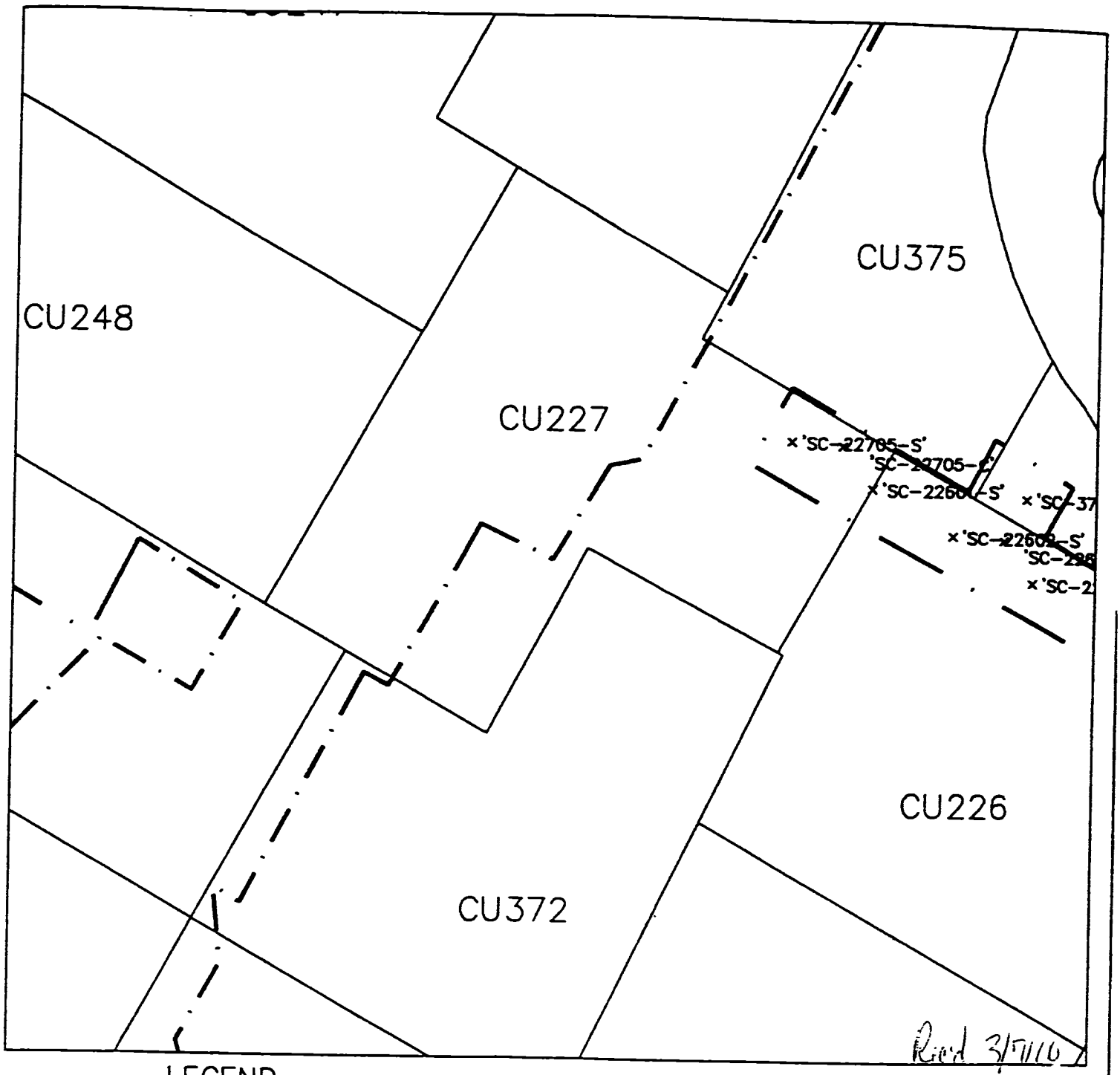
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

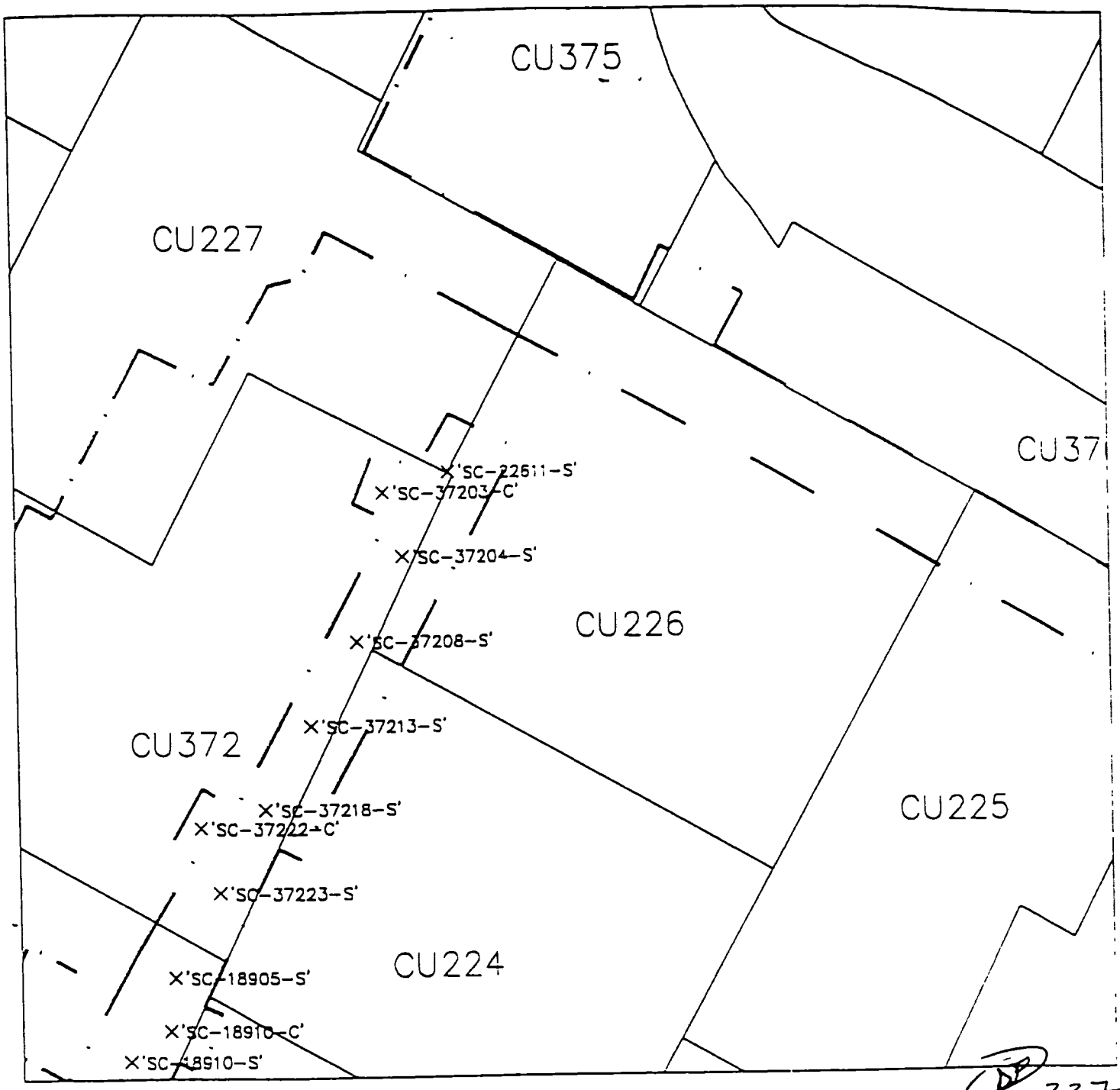
50 0 50 100

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 227

DBD CAD

Meter Model #:	2221	Detector Model #:	44-10 "F"
Meter Serial #:	99158	Detector Serial #:	122191
Calibration Date:	2/24/00	Calibration Date:	8/19/00
Survey Date / Time:	3/4/00	Field Bkg.:	5,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 BKG		



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

(IN FEET)

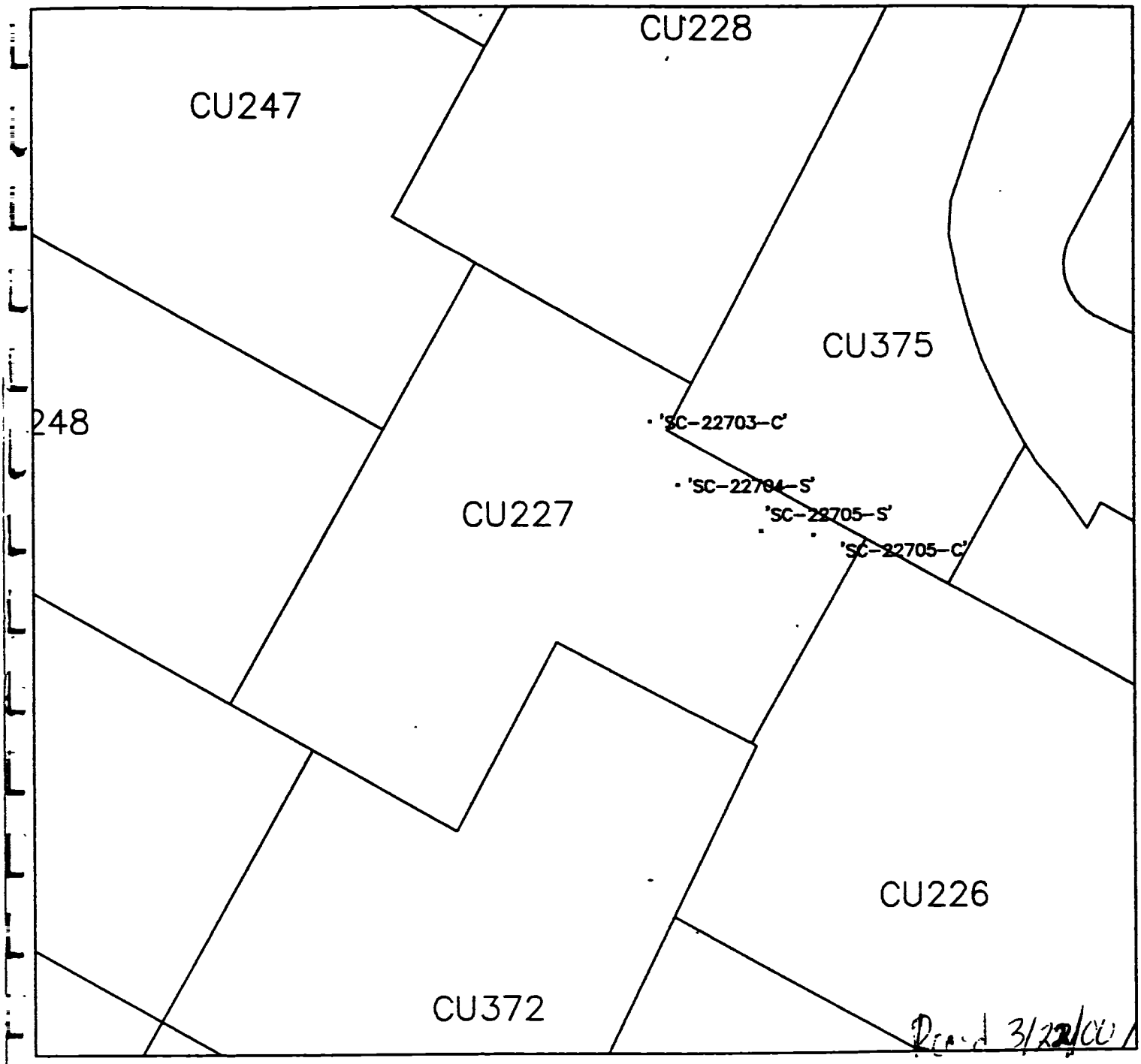
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU ~~226~~ 227

Date Plotted _____ DED CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "m"
Meter Serial #:	117617	Detector Serial #:	130764
Calibration Date:	10/13/00	Calibration Date:	9/29/00
Survey Date / Time:	3/30/00	Field Bkg.	6000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



Radiation Survey Form WP 437, RU 21 CU 227
3/21/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "M"
Meter Serial #:	117617	Detector Serial #:	130764
Calibration Date:	10/13/00	Calibration Date:	9/24/00
Survey Date / Time:	3/21/00	Field Bkg.:	4000 cpm
Surveyor(s):	J. Rankins		

Comments: Area was surveyed and found to be less than 1.5 times background

N

GRAPHIC SCALE

50 0 50 100

(IN FEET)
1 inch = 50 ft.

LEGEND

• 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

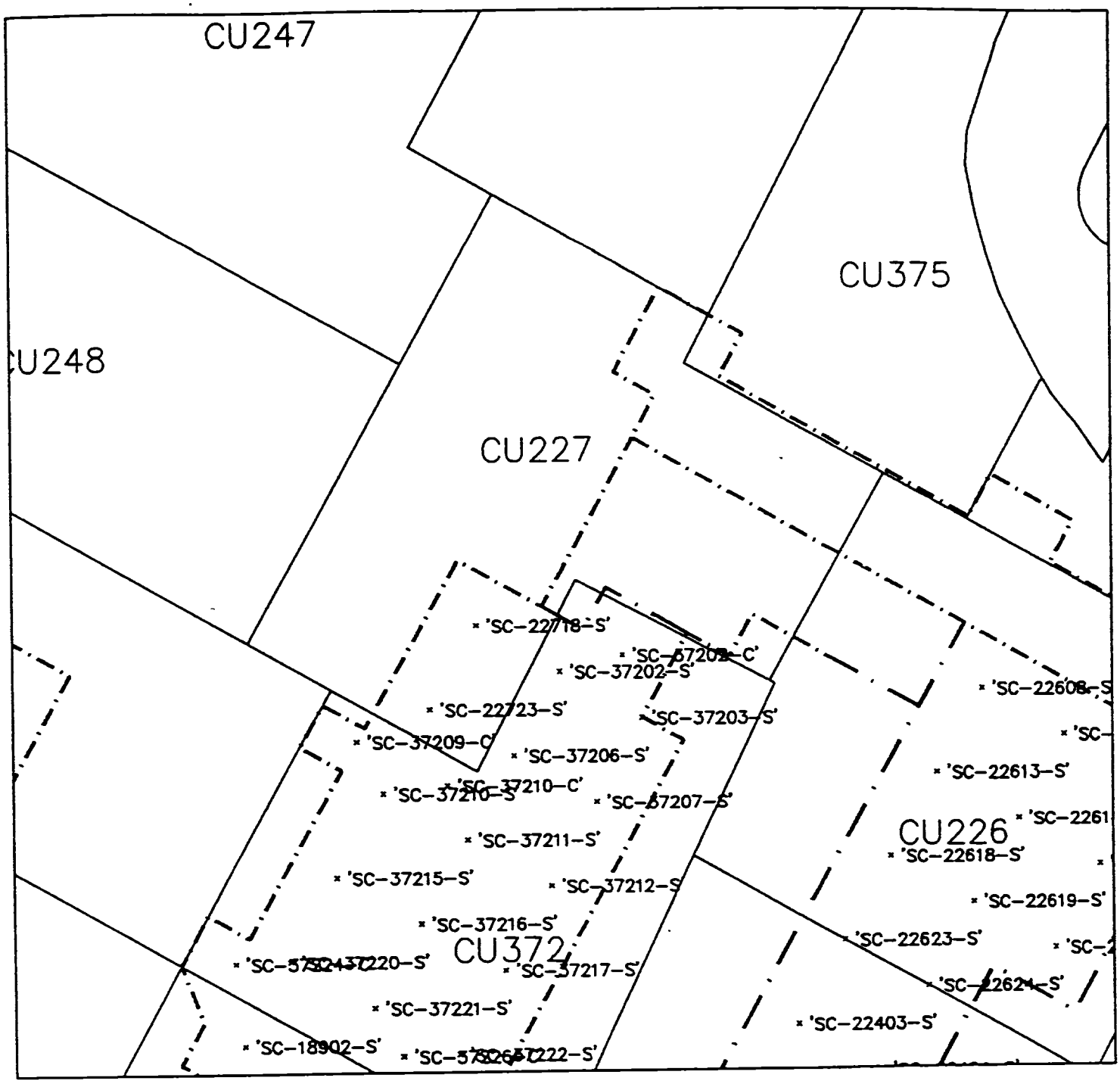
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 227

Date Plotted 3/31/00

DBID CAD

Meter Model #:	2221	Detector Model #:	2x2 "M"
Meter Serial #:	117617	Detector Serial #:	130769
Calibration Date:	10/13/00	Calibration Date:	9/24/00
Survey Date / Time:	3/30/00	Field Bkg.	6,000 cpm
Surveyor(s):	T. Brewer		
Comments:	All readings < 1.5 Bkg.		



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

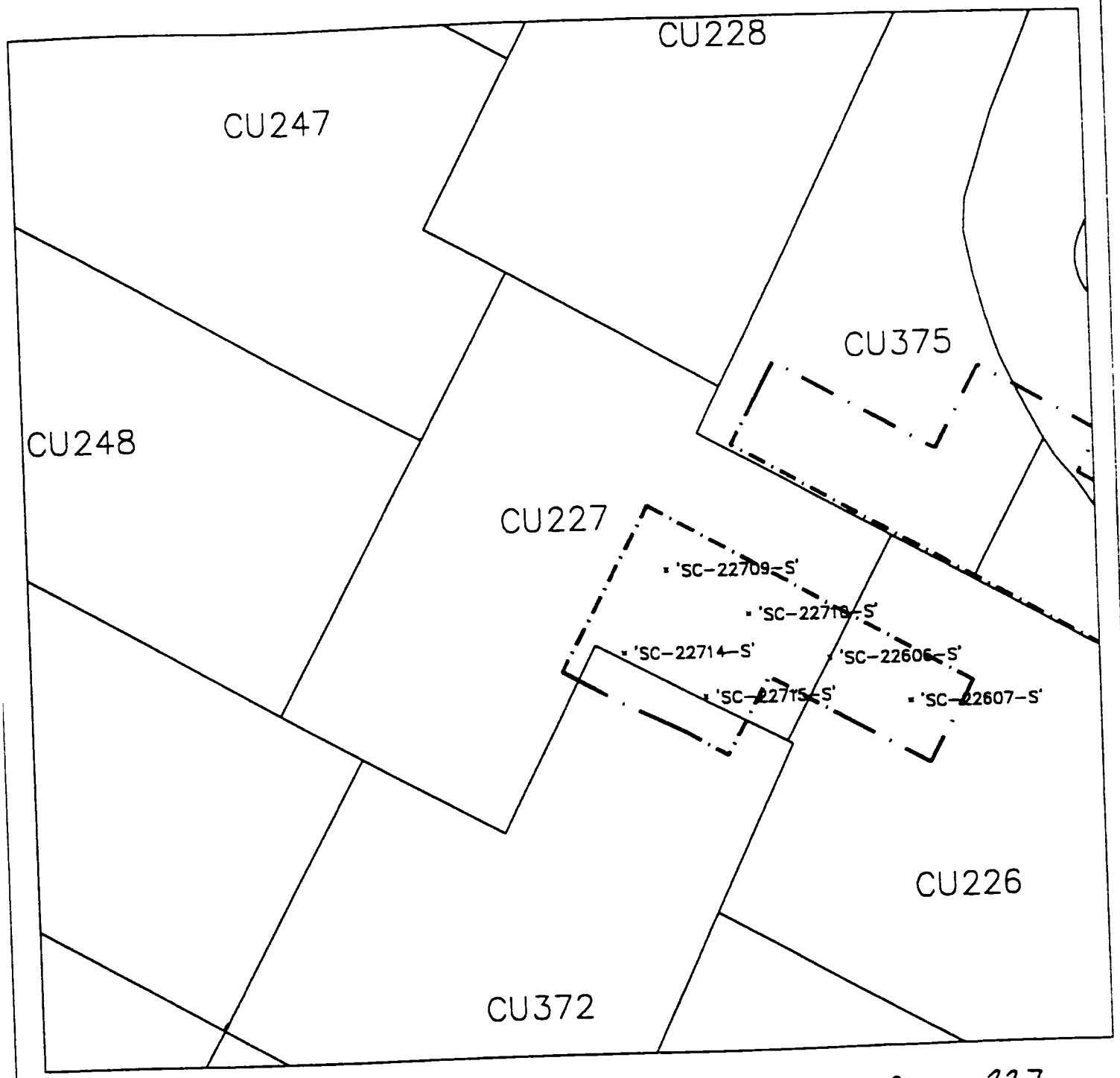
Radiation Survey Form WP 437, RU 21 CU 227

Date Plotted 6/2/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Due:	2/09/01	Calibration Due:	1/21/01
Survey Date / Time:	6/2/00	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

• 'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

N

Radiation Survey Form WP 437, RU 21 CU 227

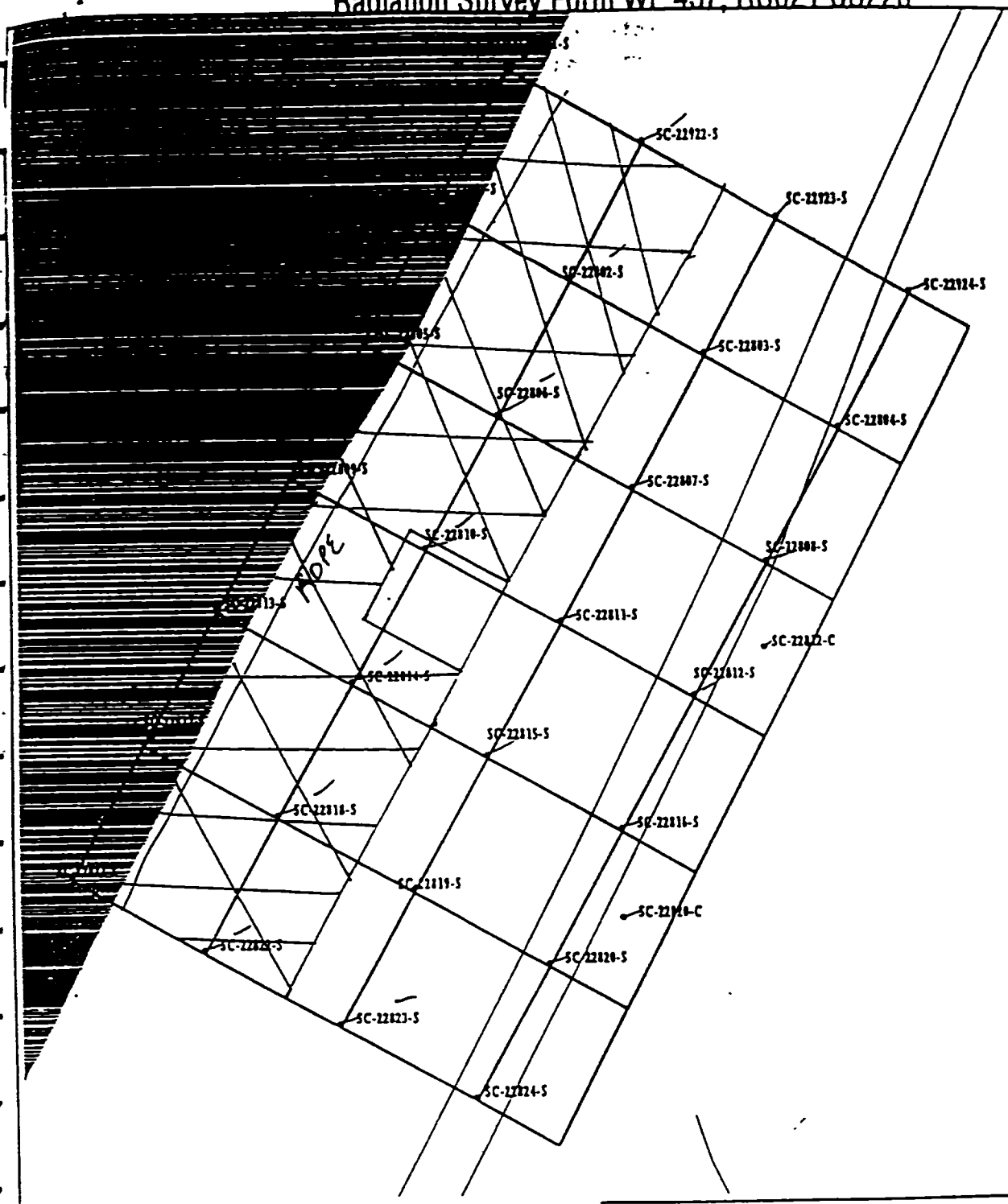
Date Plotted 6/07/00

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/9/01	Calibration Date:	1/21/01
Survey Date / Time:	6/7/00	Field Bkg.	11,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

Radiation Survey Form WP 437, RU021 CU228



WSSRAP GIS

15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: 4536

Calibration Due: 3/18/99

Survey Date/Time: 3/18/99 0900

Surveyor(s): Tim Brower

Comments: All above areas surveyed & found to be < 1½ times background

Detector Model#: 44-10

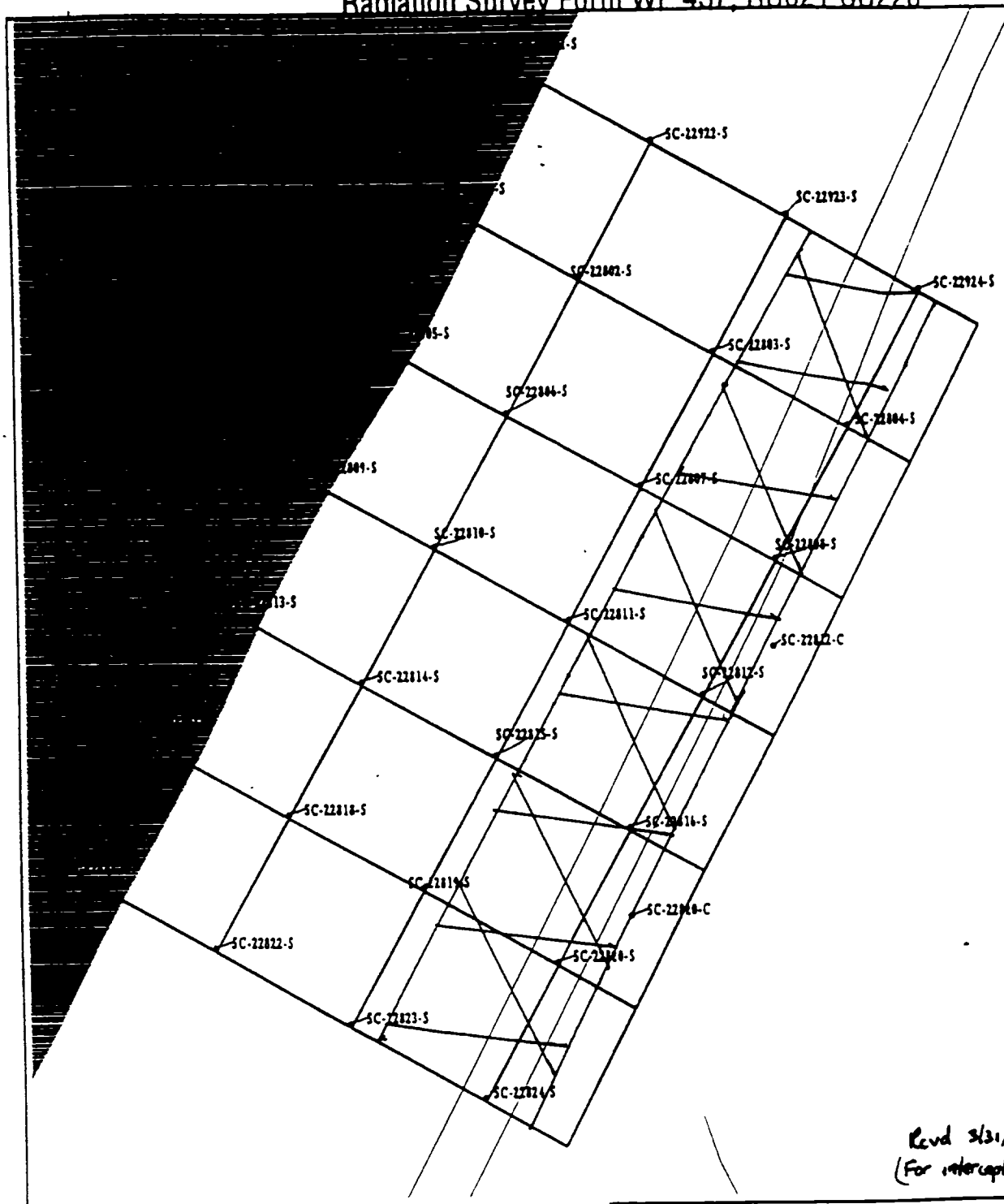
Detector Serial#: 4240

Calibration Due: 8/11/99

Field Bkg.: 20,000 cpm

[illegible] 3-18-99 [illegible]

Radiation Survey Form WP 437, RU021 CU228



Rcvd 3/31/99 - Noon
(For interceptor trench proper) WSSRAP GIS

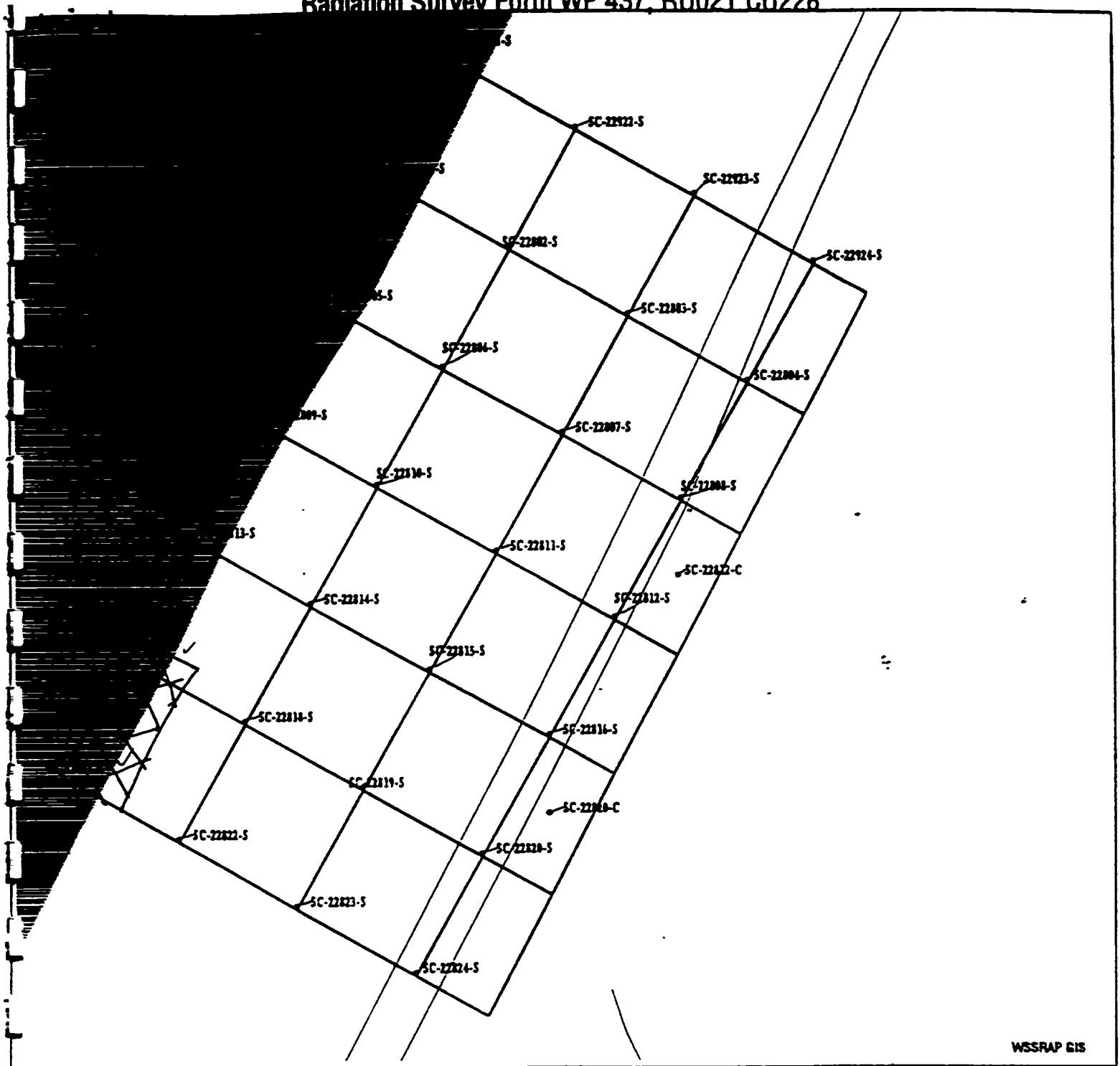
15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221
Meter Serial#: 127252
Calibration Due: 8.27.99
Survey Date/Time: 3/31/99 0800
Surveyor(s): T. Brower & C. Hanner
Comments: All readings <1.5 x background

Detector Model#: 2x2
Detector Serial#: 122191
Calibration Due: 8.11.99
Field Bkg.: 10,000

Radiation Survey Form WP 437, BU021 CU228



15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: 127252

Calibration Due: 8-27-99

Survey Date/Time: 4-13-99

Detector Model#: 2x2 NaI "f"

Detector Serial#: 122191

Calibration Due: 8-11-99

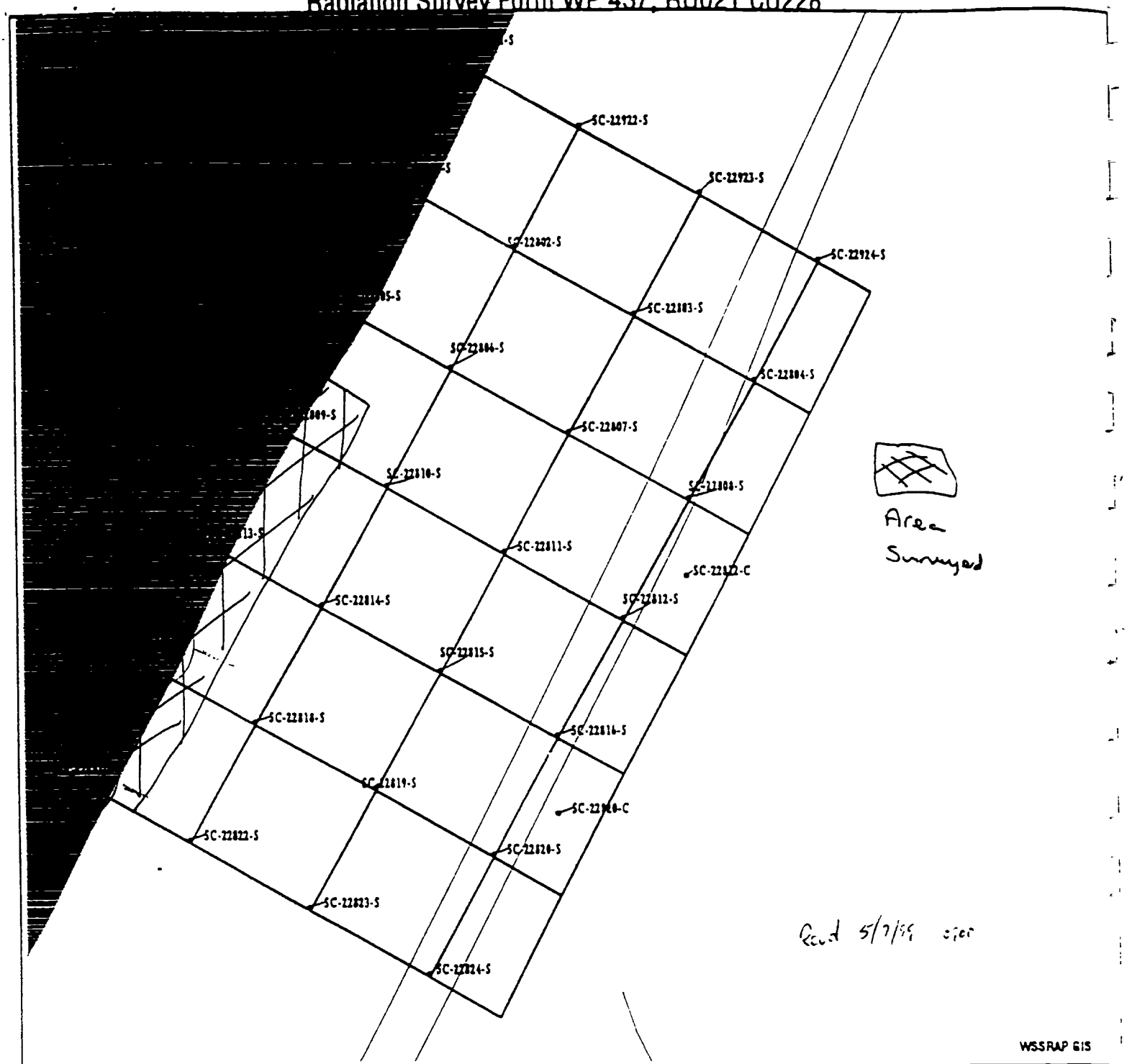
Field Bkg.: 8000 cpm

Surveyor(s): C. Hamner & T. Brewer

Comments: Area surveyed and found to be less than 65 times background

SAMPLED 4/14/99

Radiation Survey Form WP 437, RU021 CU228



Rec'd 5/7/99 [illegible]

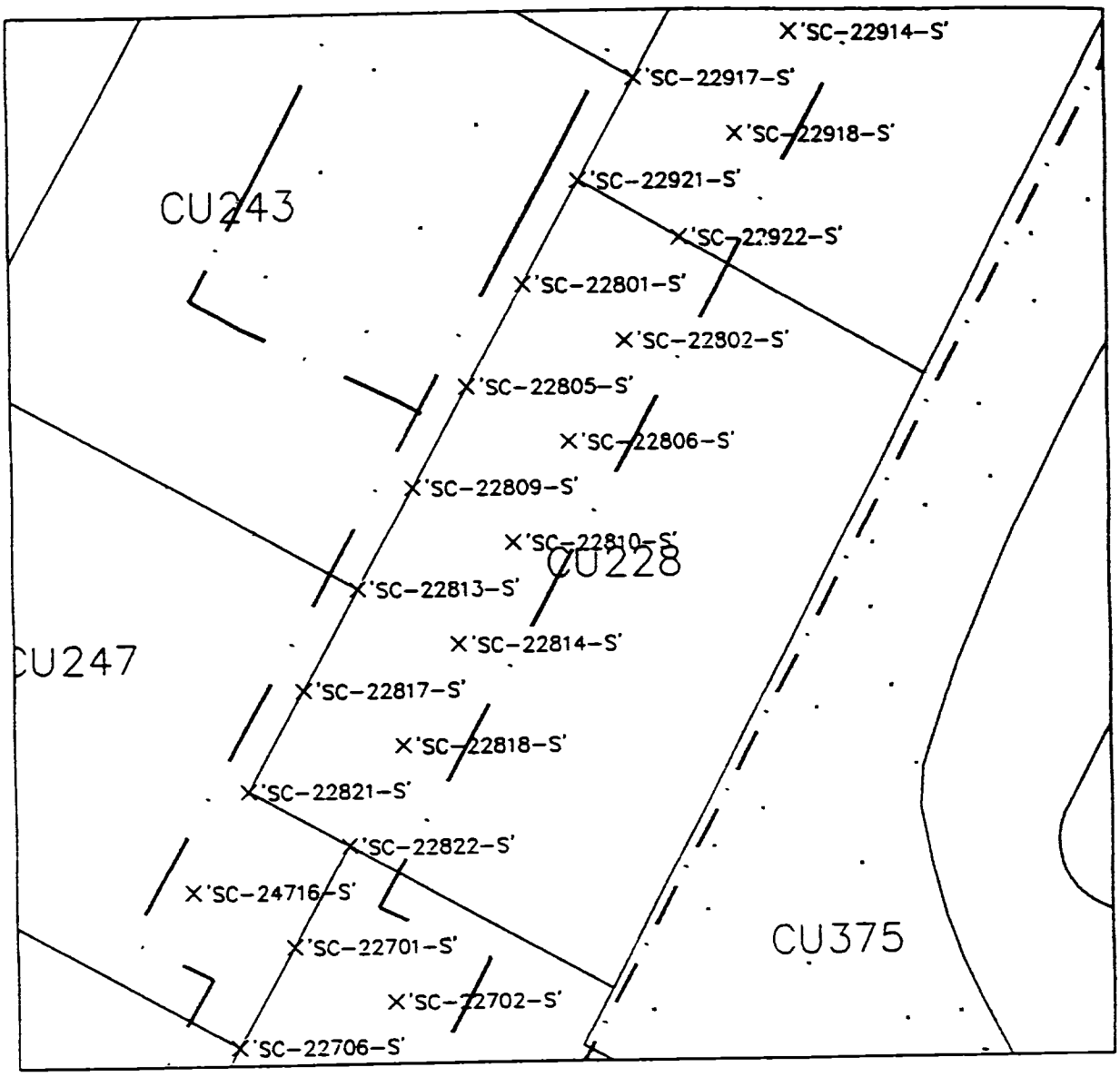
WSSRAP GIS

Meter Model#: 2221	Detector Model#: 2x2 NaI "n"
Meter Serial#: 106696	Detector Serial#: 130764
Calibration Due: 12-1-99	Calibration Due: 7-21-99
Survey Date/Time: 5/6/99	Field Bkg.: 6000 Cpm
Surveyor(s): C. Hanner	

Comments: Area was surveyed and found to be less than 1.5 times background

15 7.5 0 METERS

45 22.5 0 FEET



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Rcvd 7/16/99
6720 (Sampled 7/15)

Radiation Survey Form WP 437, RU 21 CU 228

DHO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	1-24-00
Survey Date / Time:	07-14-99	Field Bkg.:	10,000 cpm
Surveyor(s):	J. Rankins		
Comments:	All meas < 1.5 BKG		

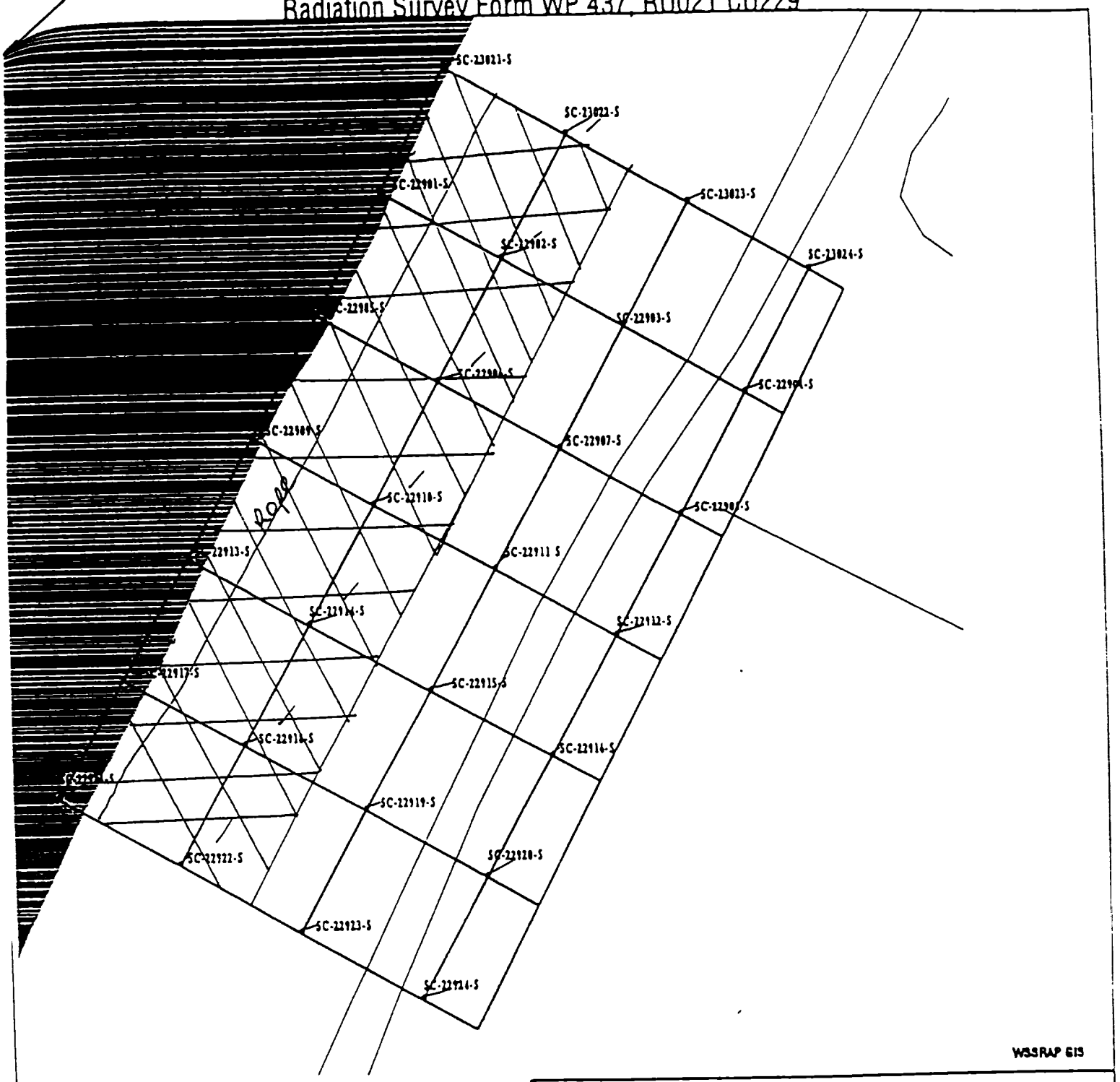
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, BU021 CU229



WSSRAP GIS

15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: 4536

Calibration Due: 8-27-99

Survey Date/Time: 3/18/99 0900

Surveyor(s): Tim Brewer

Detector Model#: 44-10

Detector Serial#: 4240

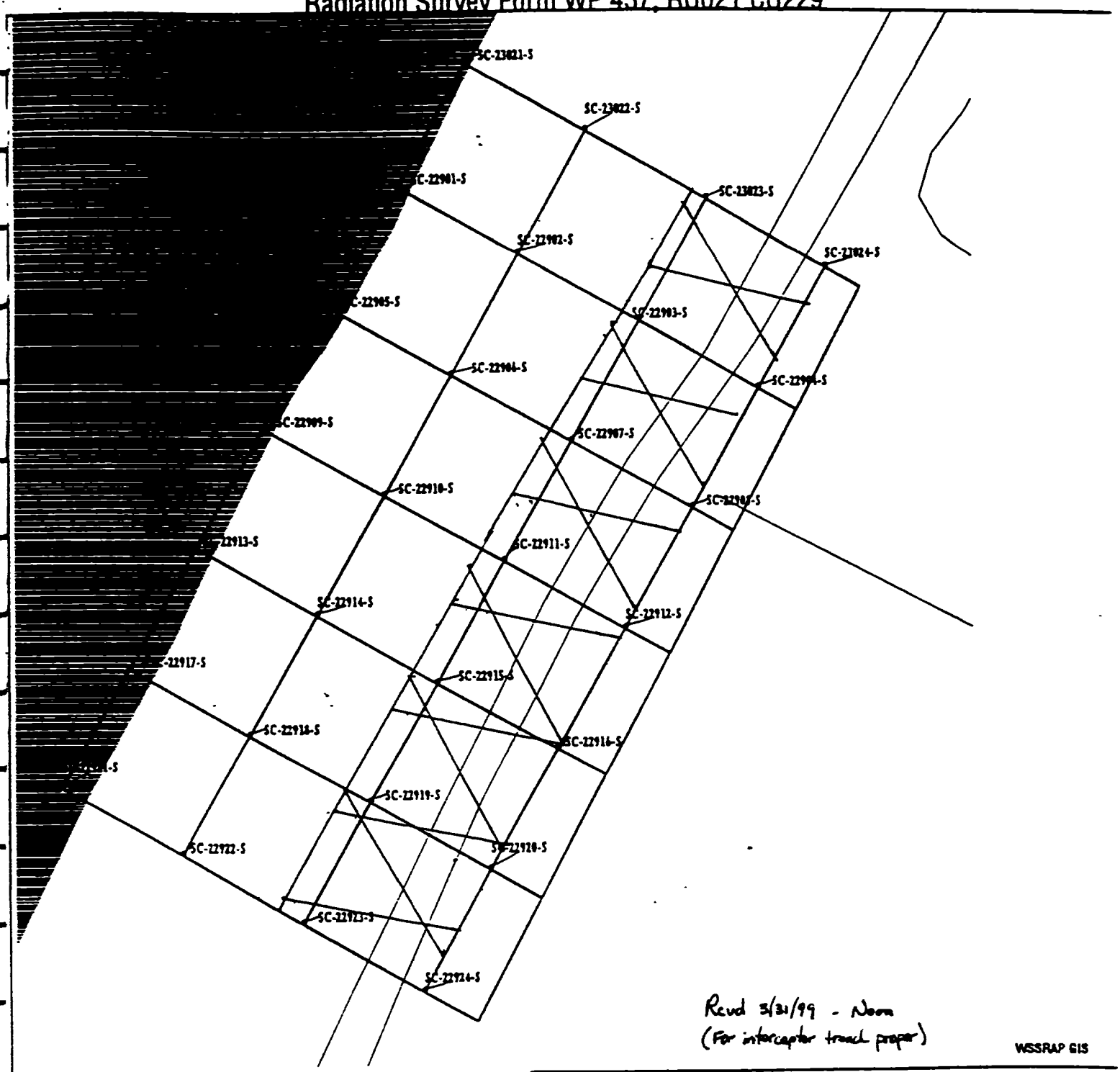
Calibration Due: 8-11-99

Field Bkg.: 20,000

Comments: All above areas surveyed & found to be < 1½ times background

Road off 3/27/99 KAA

Radiation Survey Form WP 437, RU021 CU229



Rcvd 3/31/99 - Norm
(For interceptor trench proper)

WSSRAP GIS

15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: 127252

Calibration Due: 8-27-99

Survey Date/Time: 3/31/99/0800

Surveyor(s): T. Brower + C. Hamner

Comments: All reading <1.5 x background

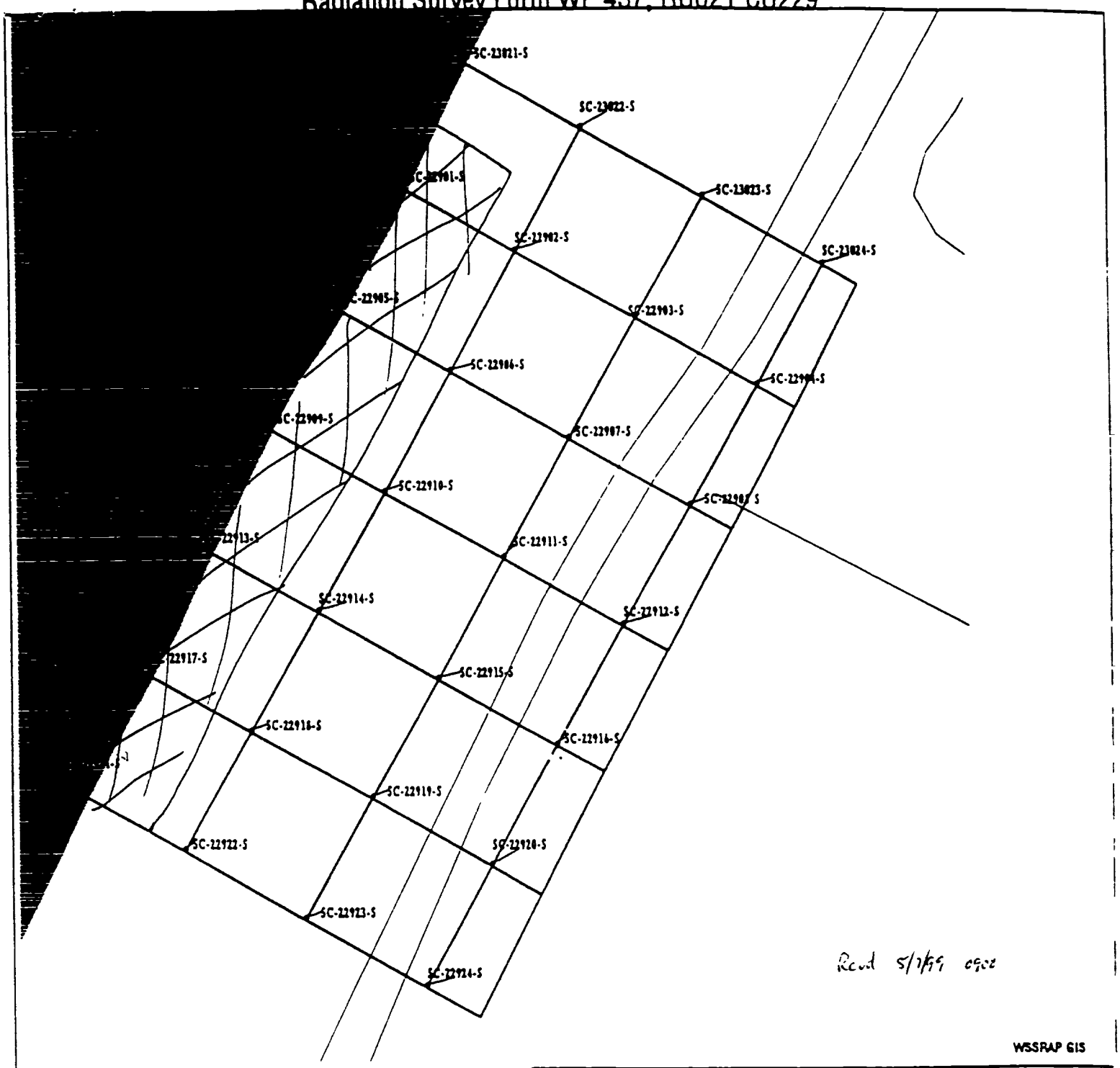
Detector Model#: 2x2

Detector Serial#: 122191

Calibration Due: 8-11-99

Field Bkg.: 10,000

Radiation Survey Form WP 437, BU021 CU229



Rcvd 5/7/99 0900

WSSRAP GIS

15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: 106696

Calibration Due: 12-1-99

Survey Date/Time: 5/6/99

Surveyor(s): C. Hanner

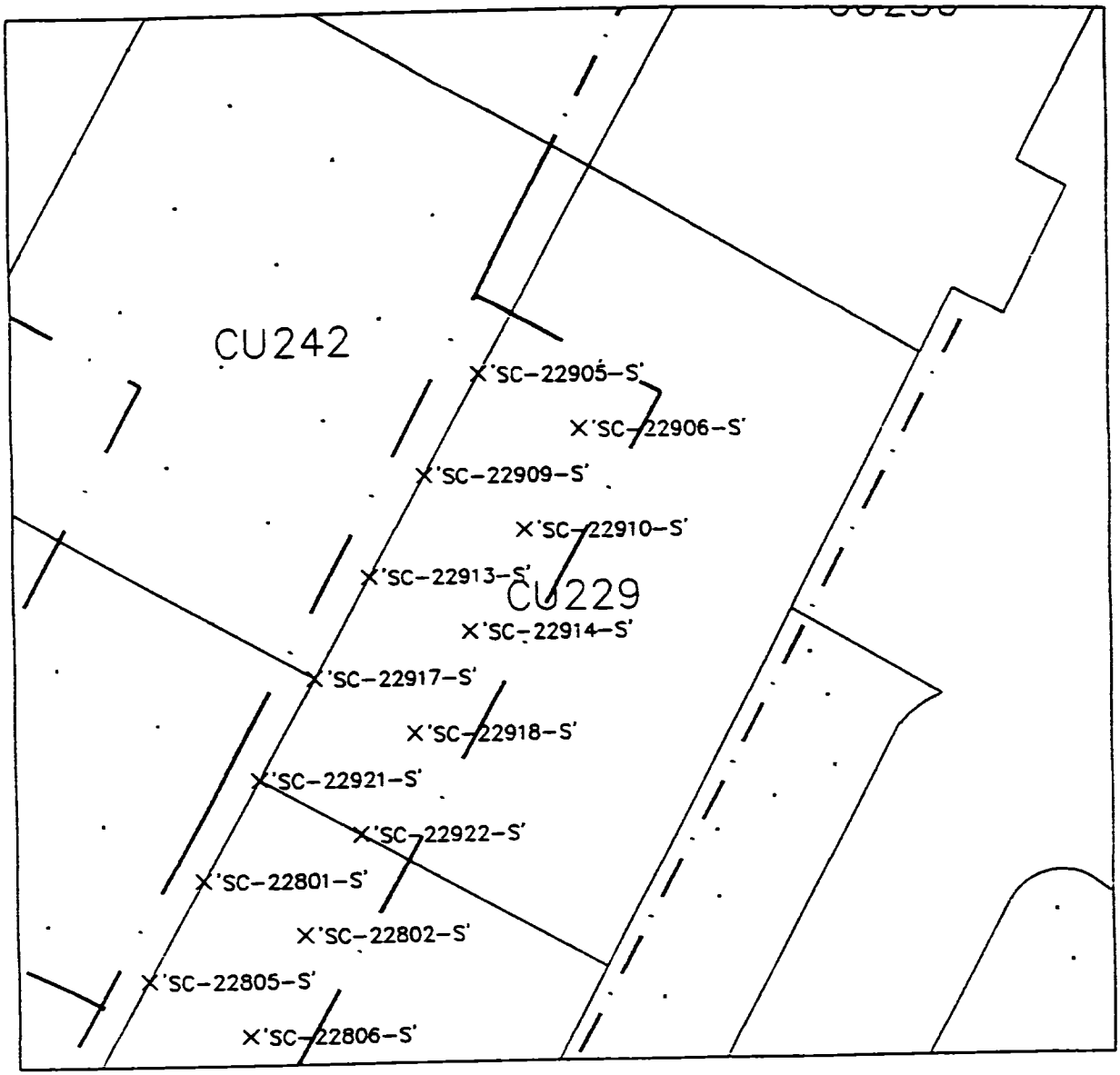
Detector Model#: 2x2 NaI "n"

Detector Serial#: 130764

Calibration Due: 7-21-99

Field Bkg.: 6000 cpm

Comments: Area was surveyed and found to be less than 1.5 times background



Rcvd 7/16/99

CT2C (Temp Rel 7/15/99)

LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 229

DHO CAD

Meter Model #:	2221	Detector Model #:	NaI #2-2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	1-29-00
Survey Date / Time:	07-14-99	Field Bkg.:	18,000 cpm
Surveyor(s):	J. Hankins		
Comments:	All areas < 1.5 BKG.		

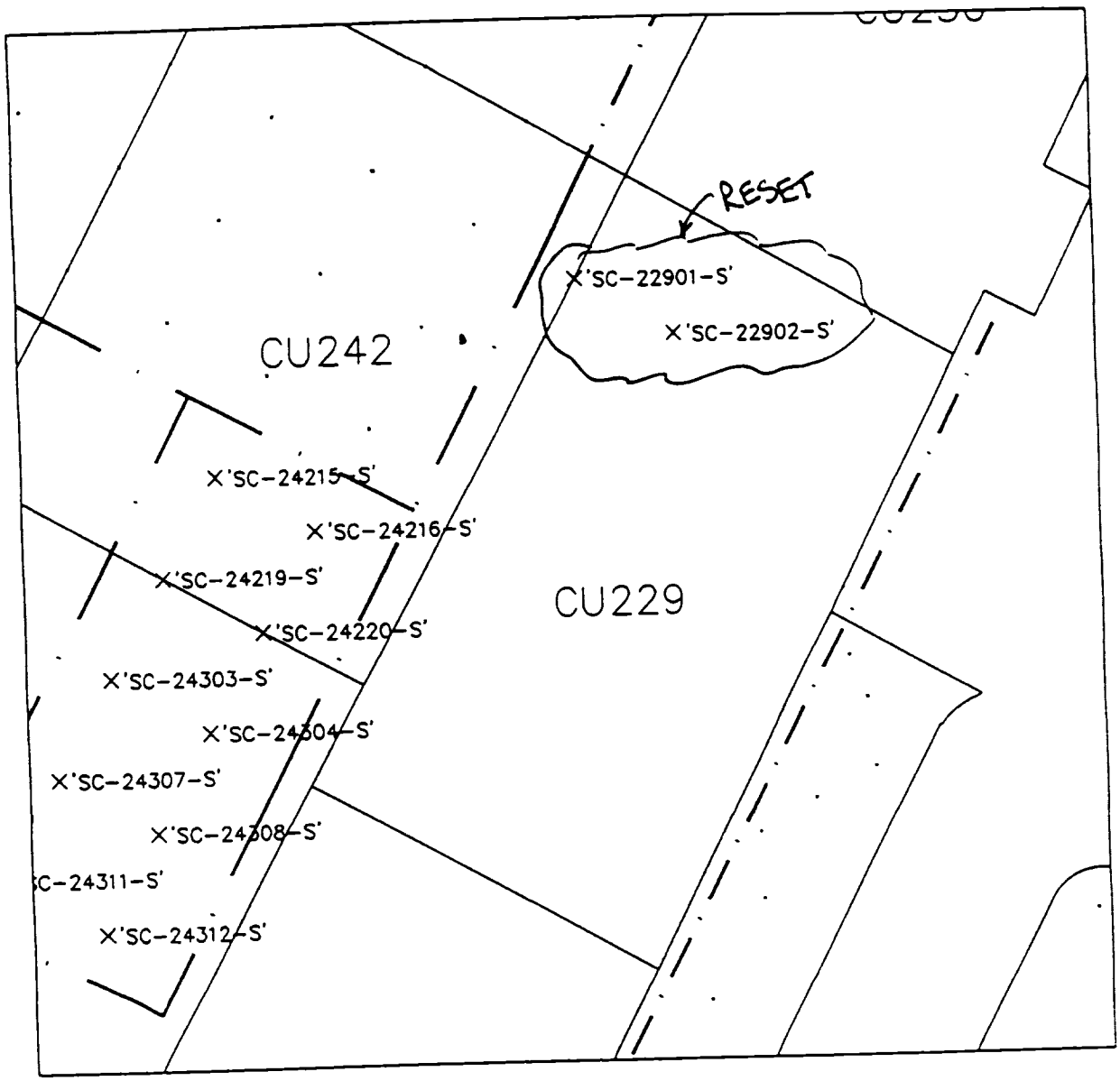
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



Rcvd 7/16/99

LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 229

DHO CAD

Meter Model #	2221	Detector Model #:	2x2 "G"
Meter Serial #	127247	Detector Serial #	4241
Calibration Due:	9/25/99	Calibration Due:	1/24/00
Survey Date / Time:	7/15/99	Field Bkg.	8,000 CPM
Surveyor(s):	T. Brown		
Comments:	All readings 4.5 BKg		

N

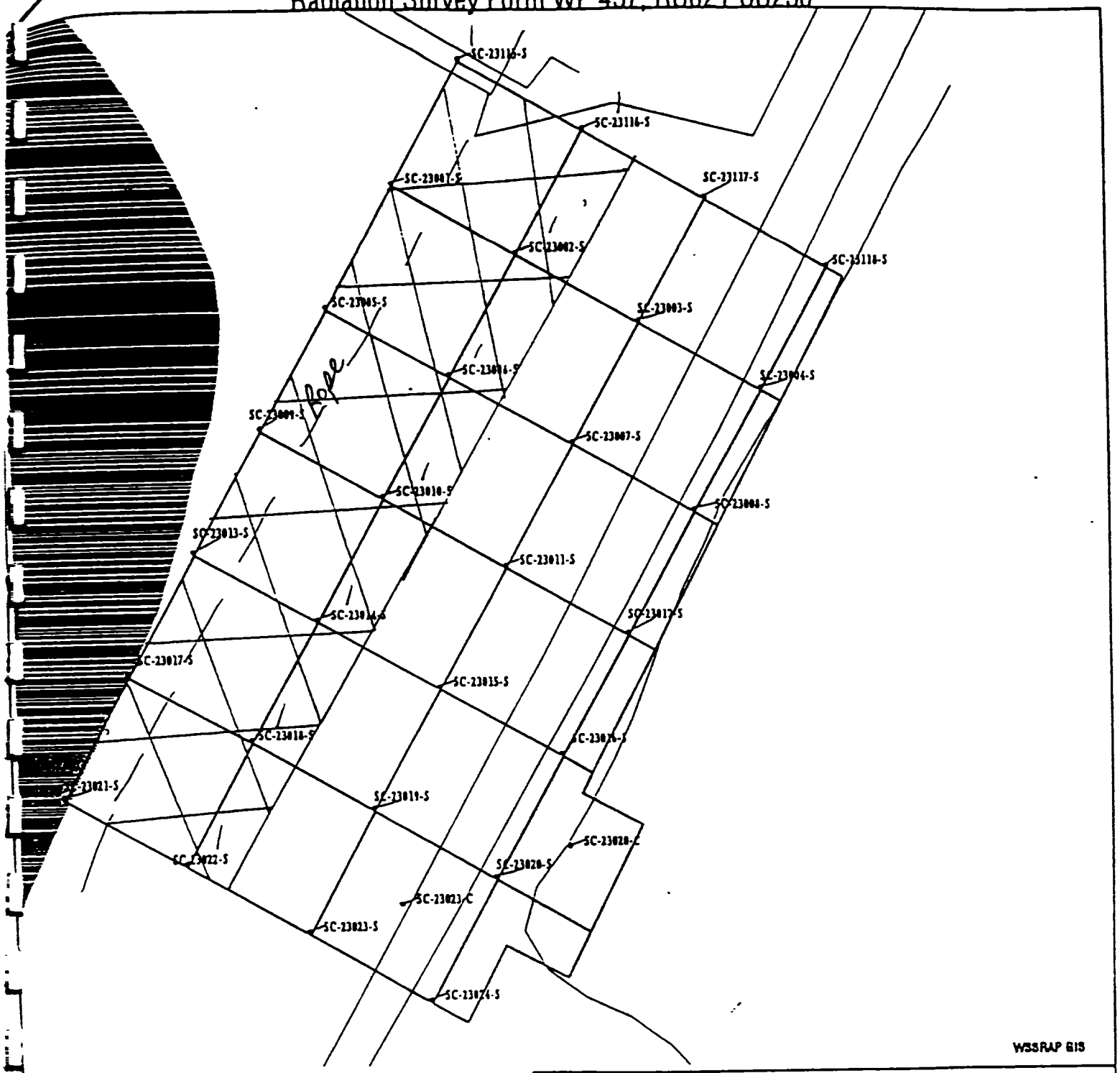
GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.

Radiation Survey Form WP 437, RU021 CU230



15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221 Detector Model#: 44-10

Meter Serial#: 4536 Detector Serial#: 4240

Calibration Due: 8-27-99 Calibration Due: 8-11-99

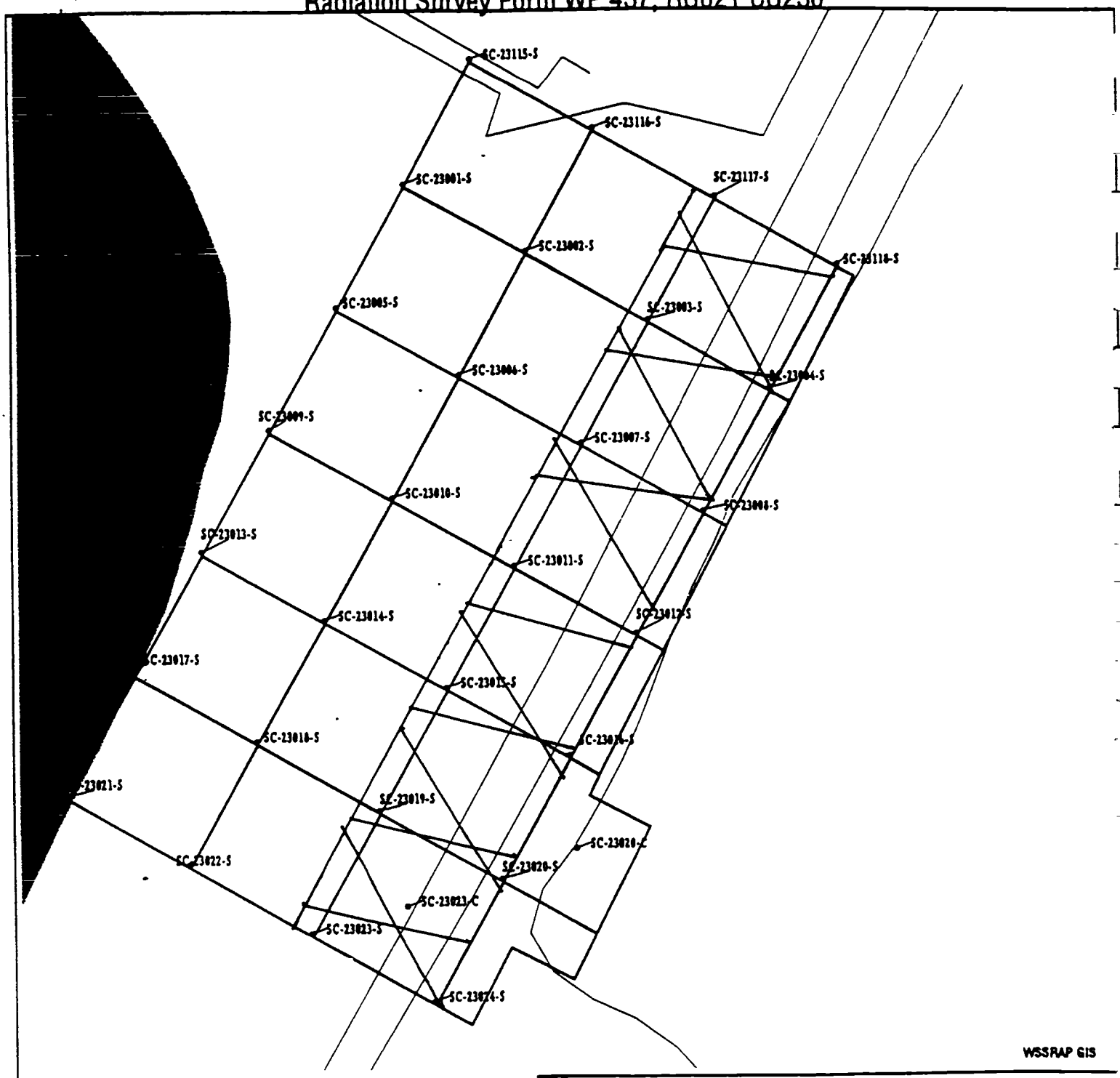
Survey Date/Time: 3/18/99 0900 Field Bkg.: 20,000 cPM

Surveyor(s): Tim Brower

Comments: All above areas surveyed & found to be less than 1½ times background

Reviewed 3/27/99 DHA

Radiation Survey Form WP 437, BU021 CU230



WSSRAP GIS

15 7.5 0 METERS

45 22.5 0 FEET

N
E
S

Meter Model#: 2221

Meter Serial#: 127252

Calibration Due: 8-27-99

Survey Date/Time: 3/31/99 0800

Detector Model#: 2x2

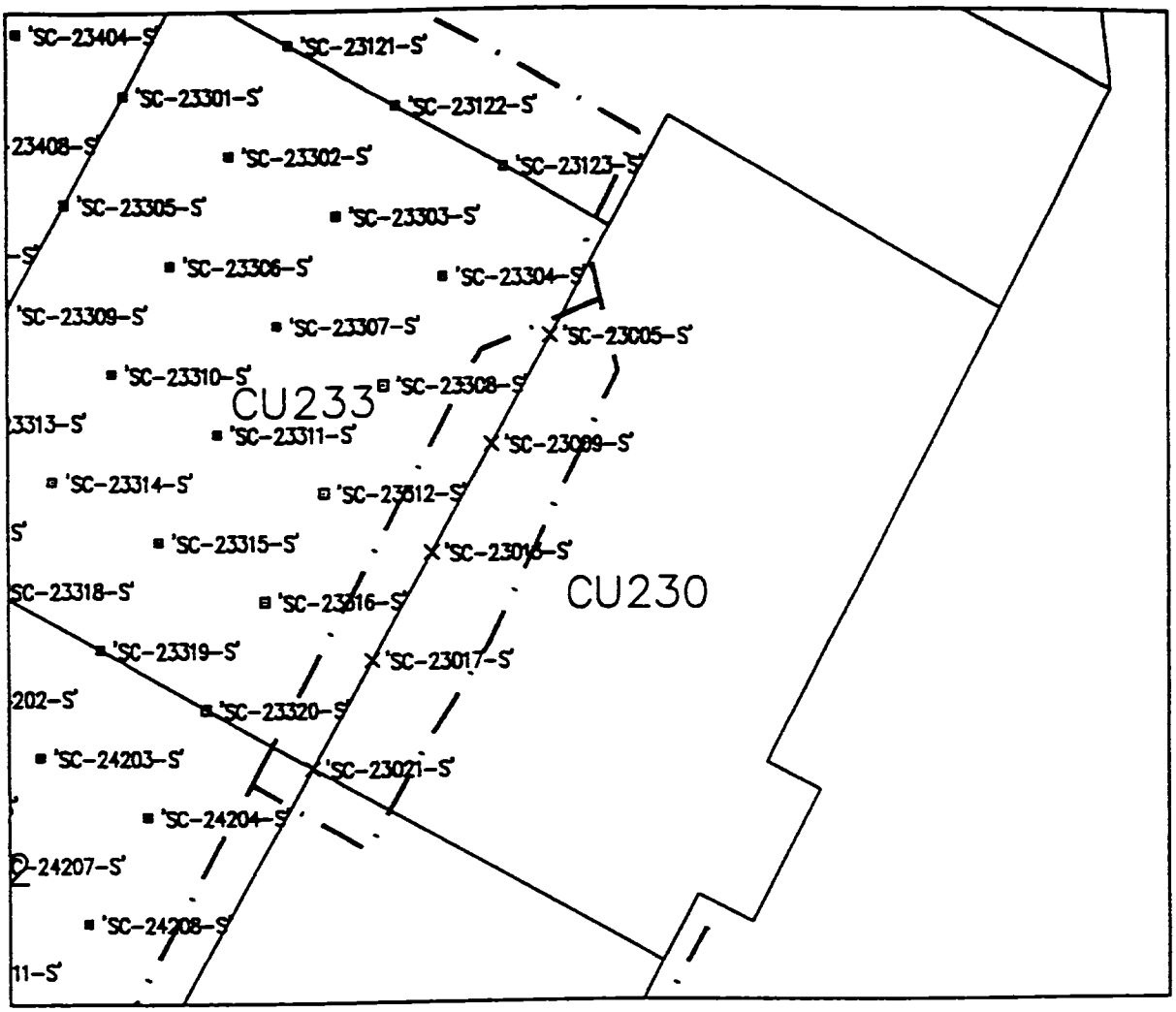
Detector Serial#: 122191

Calibration Due: 8-11-99

Field Bkg.: 10,000

Surveyor(s): T. Brown & C. Hamner

Comments: All reading <1.5 x background



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 230

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 F
Meter Serial #:	127252	Detector Serial #:	
Calibration Date:	8-27-99	Calibration Date:	8-11-99
Survey Date / Time:	5/28/99	Field Bkg.:	5,000 cpm
Surveyor(s):	T. Brown		
Comments:	All readings < 1.5 times Bkg		

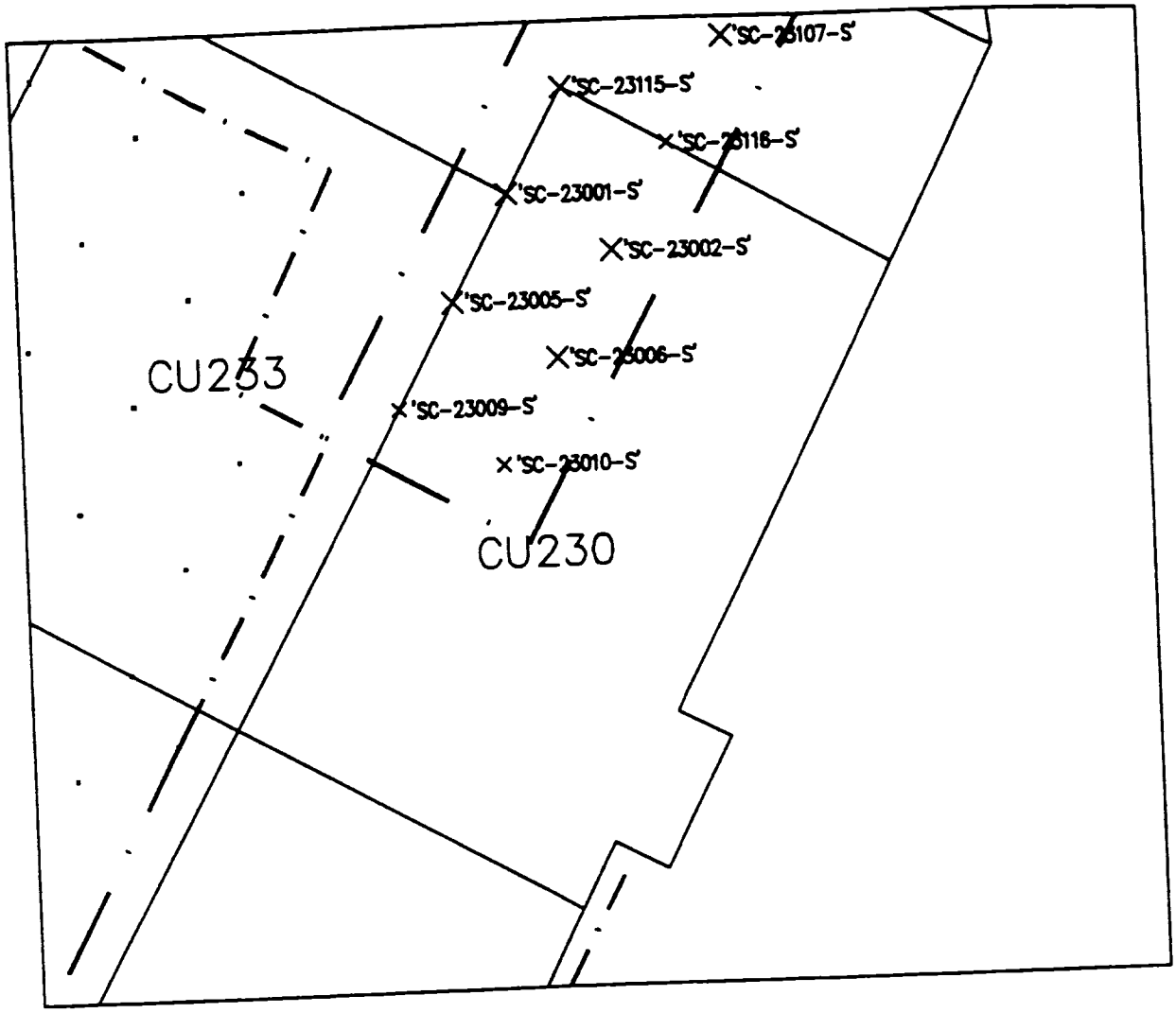
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

- 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 230

DEO CAD

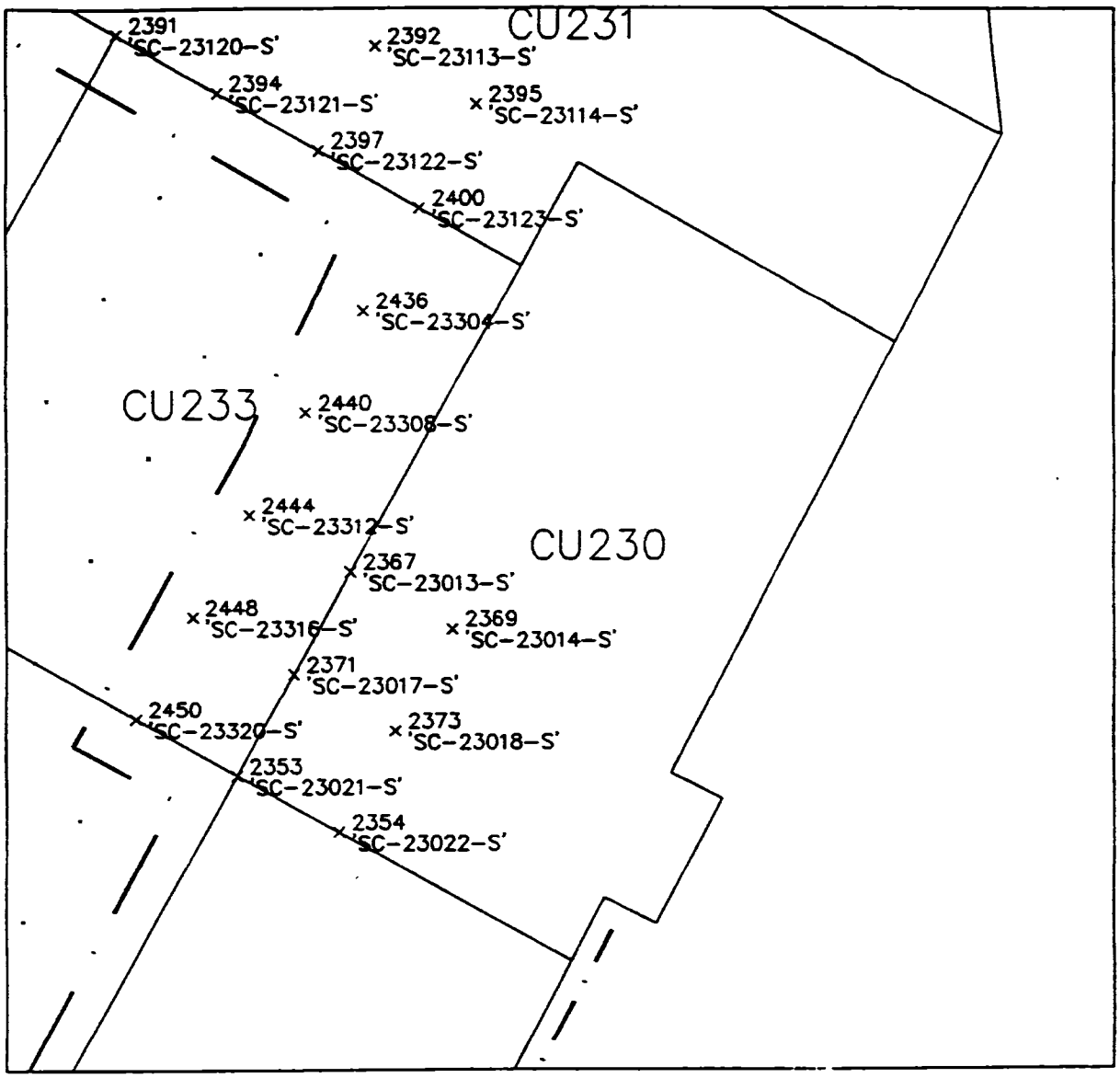
Meter Model #:	2221	Detector Model #:	2x2 G
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Due:	9/25/99	Calibration Due:	1/24/00
Survey Date / Time:	6/22/99	Field Bkg.:	9,000 cpm
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 230

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 "G"
Meter Serial #:	127247	Detector Serial #:	4241
Calibration Due:	1/25/99	Calibration Due:	1/24/00
Survey Date / Time:	7/16/99	Field Bkg.:	8,000 CPM
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 BKG		

N

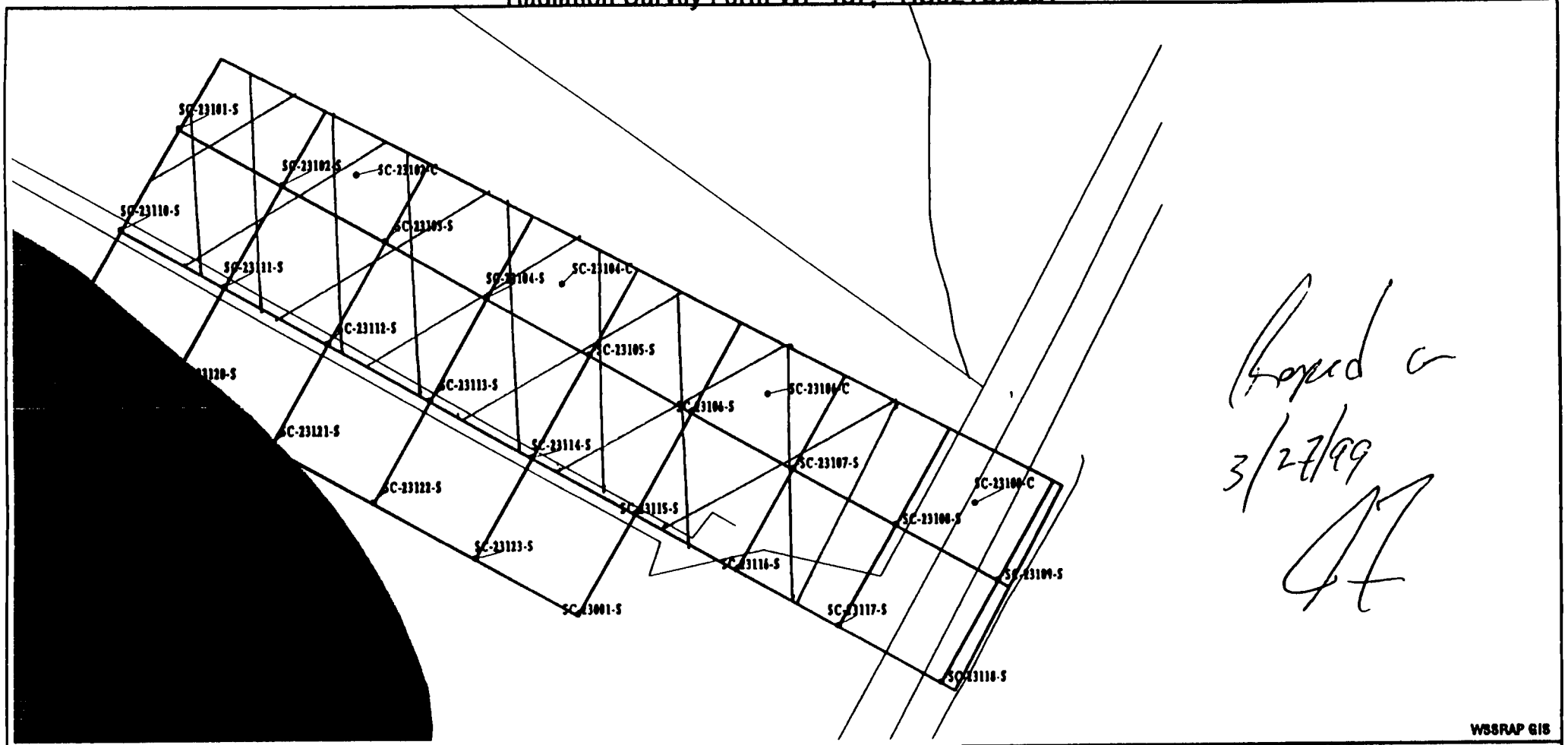
GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.

Radiation Survey Form WP 437, RU021CU231



Cleared 3/27/99

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N W E S

Meter Model#: 2221 Detector Model#: 44-10

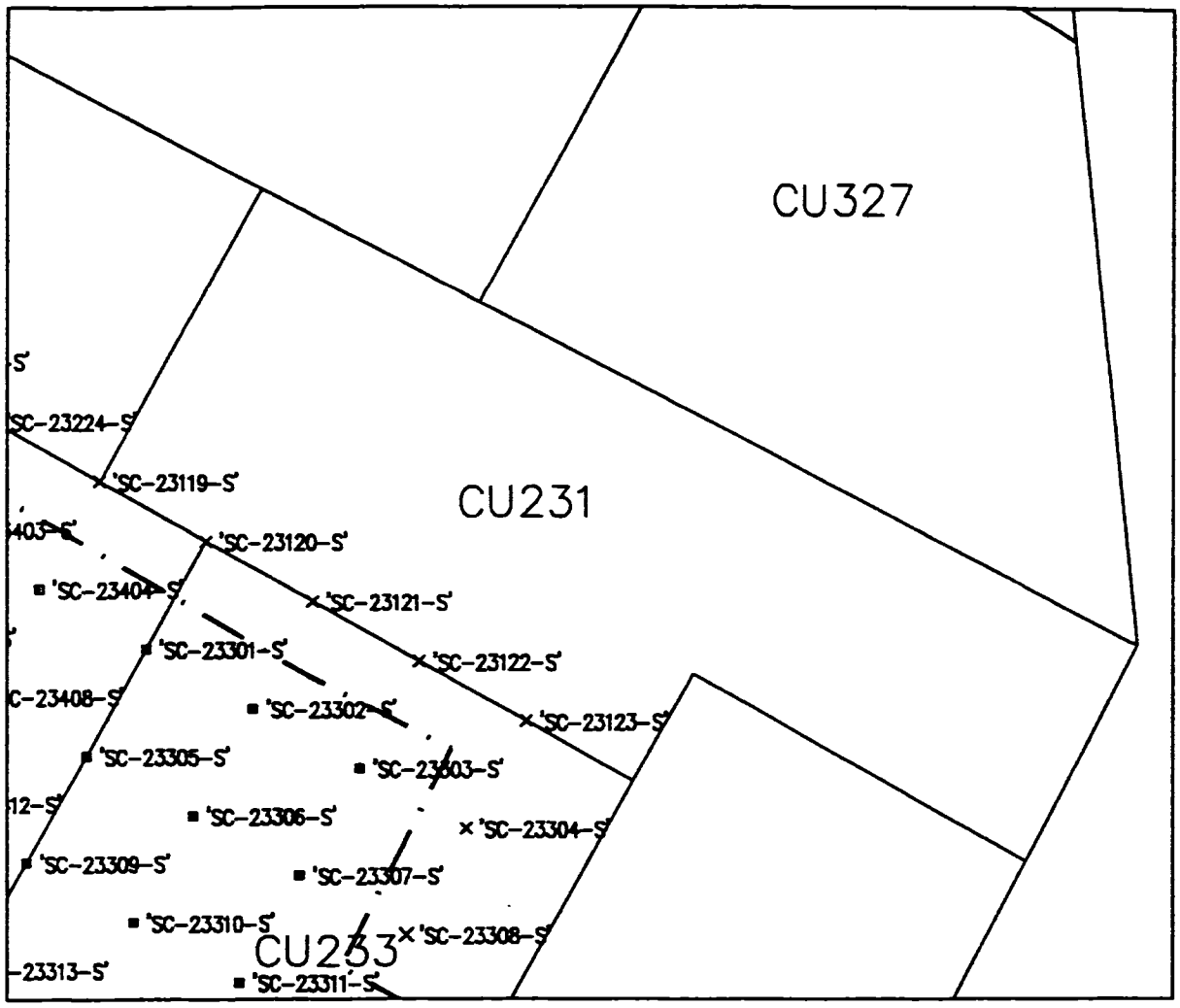
Meter Serial#: 4236 Detector Serial#: 4240

Calibration Due: 8-27-99 Calibration Due: 8-11-99

Survey Date/Time: 3/18/99 0900 Field Bkg.: 20,000 CPM

Surveyor(s): Tim Brewer

Comments: All above areas surveyed & found to be < 1½ times background



LEGEND

- ■ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 231

DBO CAD

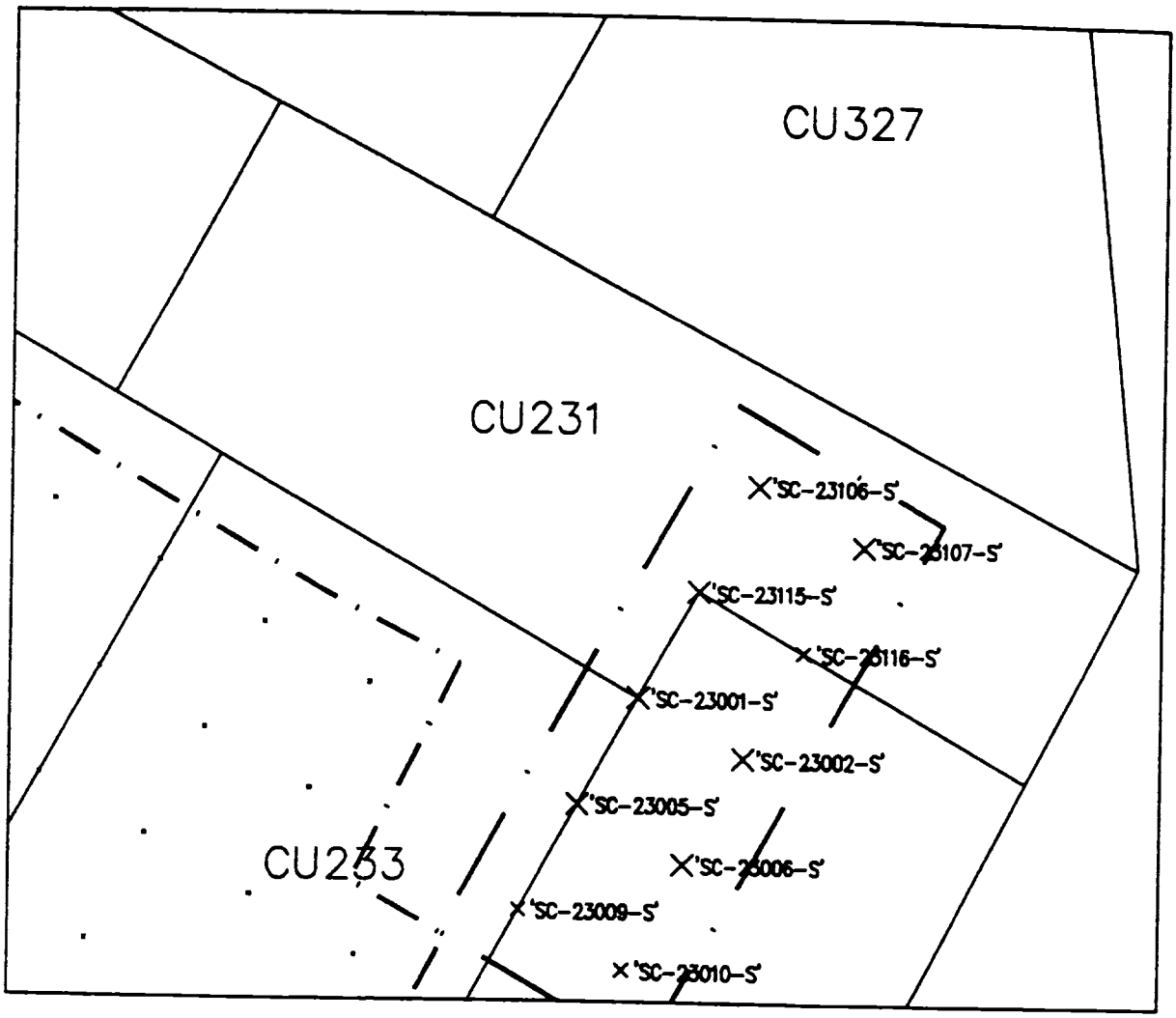
Meter Model #:	2221	Detector Model #:	2x2 L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Date:	12/20/99	Calibration Date:	8/11/99
Survey Date / Time:	6/4/99	Field Bkg.:	6000 cpm
Surveyor(s):	T. Brown / J. Rankins		
Comments:	All readings < 1.5 times Bkg.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

· 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 231

DEO CAD

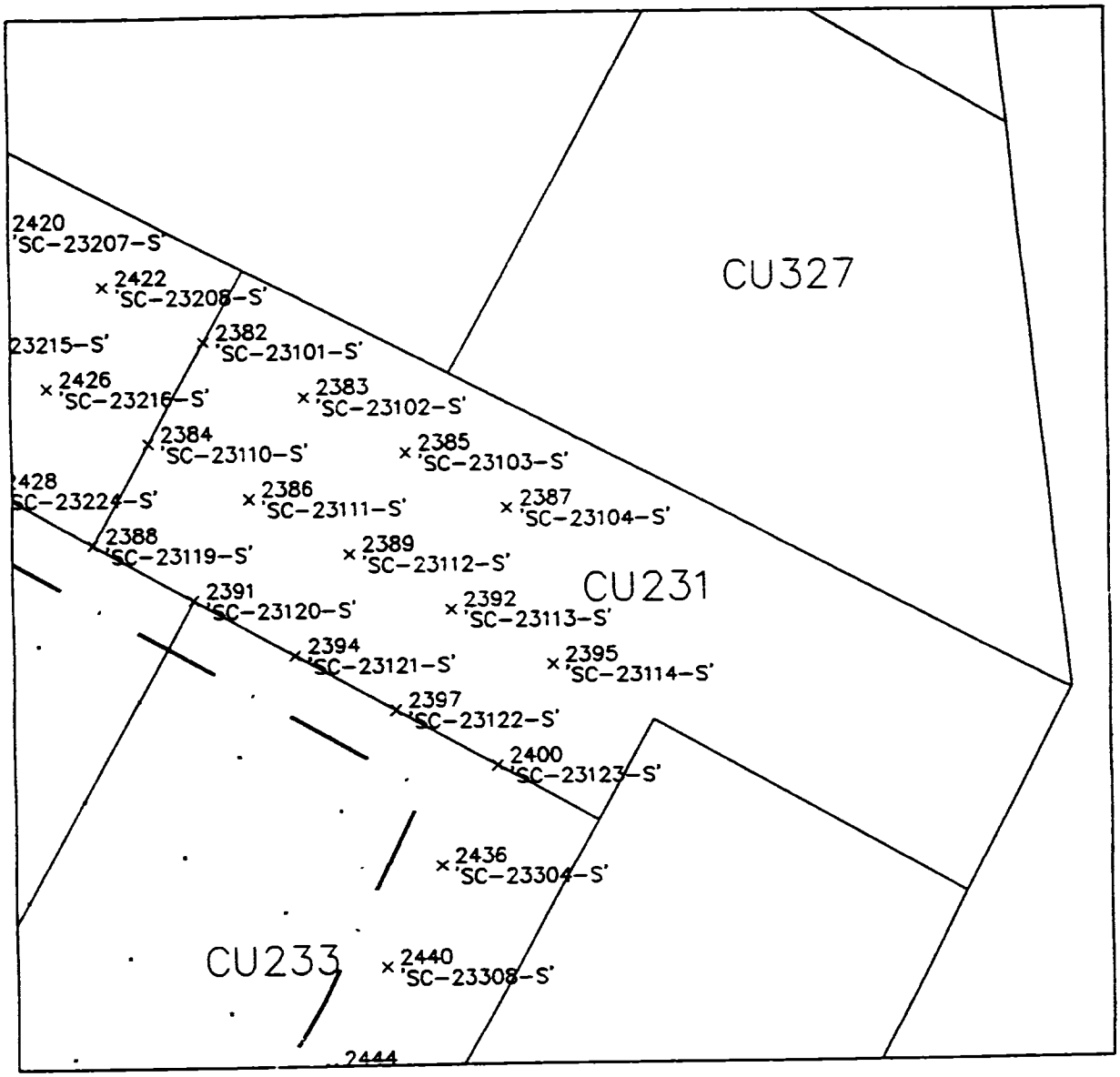
Meter Model #:	2221	Detector Model #:	2x2 G
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Due:	9/25/99	Calibration Due:	1/24/00
Survey Date / Time:	6/22/99	Field Bkg.:	9,000 CPM
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 BKg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 231

DHO CAD

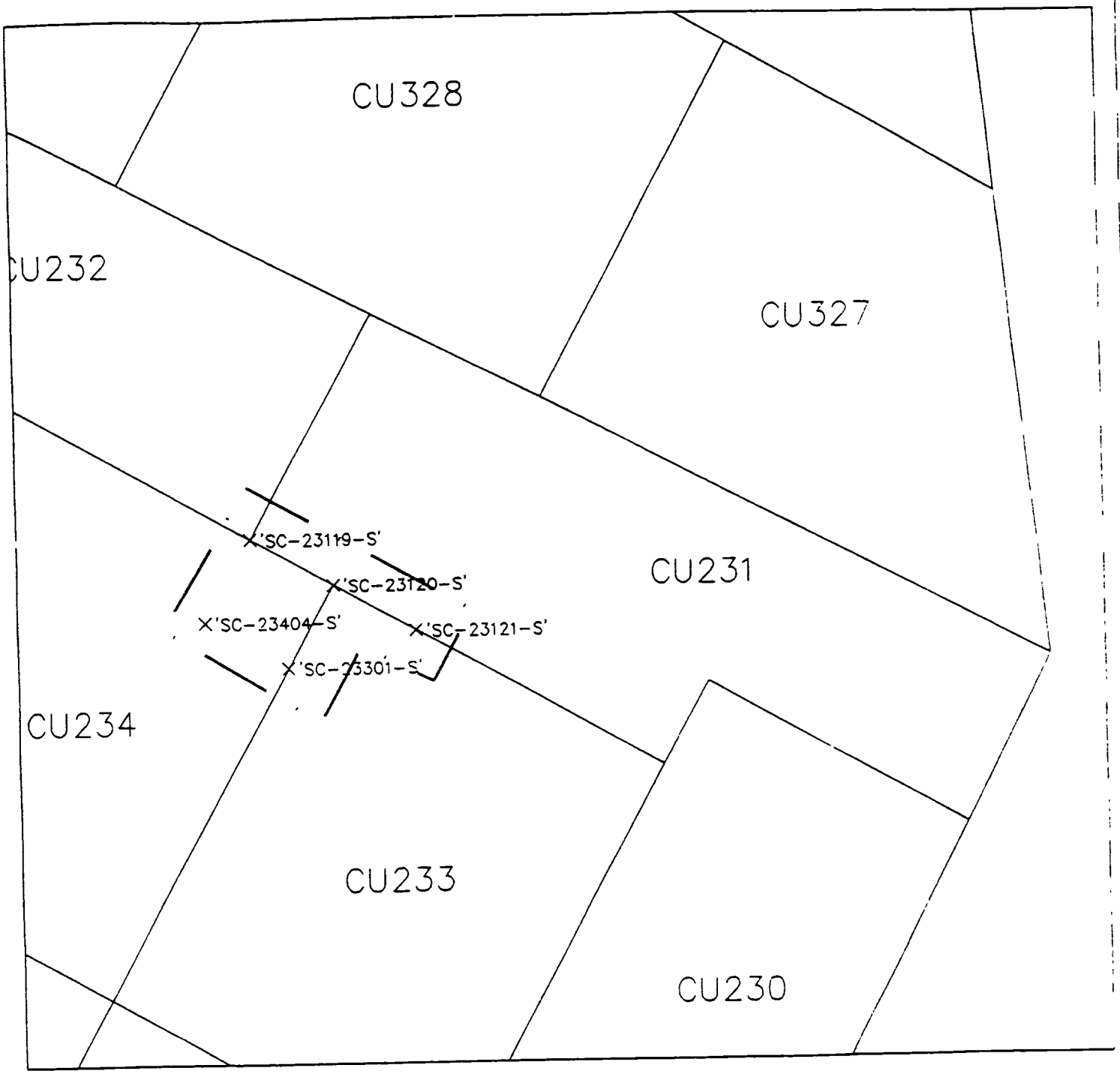
Meter Model # :	2221	Detector Model #:	2x2"6"
Meter Serial # :	127247	Detector Serial #:	4241
Calibration Due:	1/25/99	Calibration Due:	1/24/00
Survey Date / Time:	7/16/99	Field Bkg.:	8,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

·	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

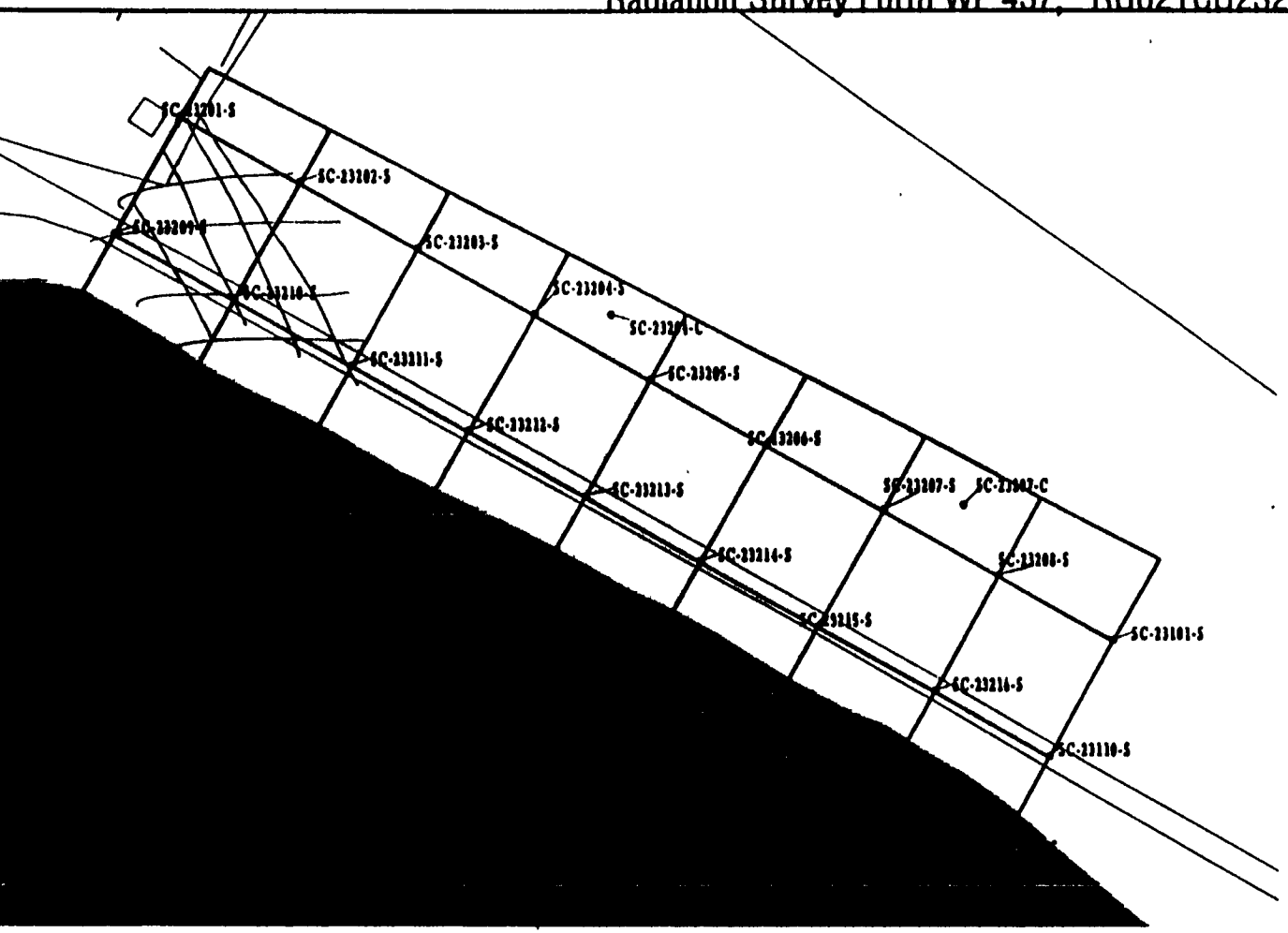
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 231

DHO CAD

Meter Model #	2221	Detector Model #	2-2 "G"
Meter Serial #	127257	Detector Serial #	DOE - 4241
Calibration Due	09-02-00	Calibration Due	01-24-00
Survey Date / Time	11-12-99	Field Bkg.	11,000 cpm
Surveyor(s)	J. Rankin		
Comments	All meas < 1.5 BKG.		

Radiation Survey Form WP 437, RU021CU232



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N W E S

Meter Model#: 2221 | 2221 Detector Model#: 2x2 NaI M&O

Meter Serial#: 106696 | 4268 Detector Serial#: 130764 | 5779

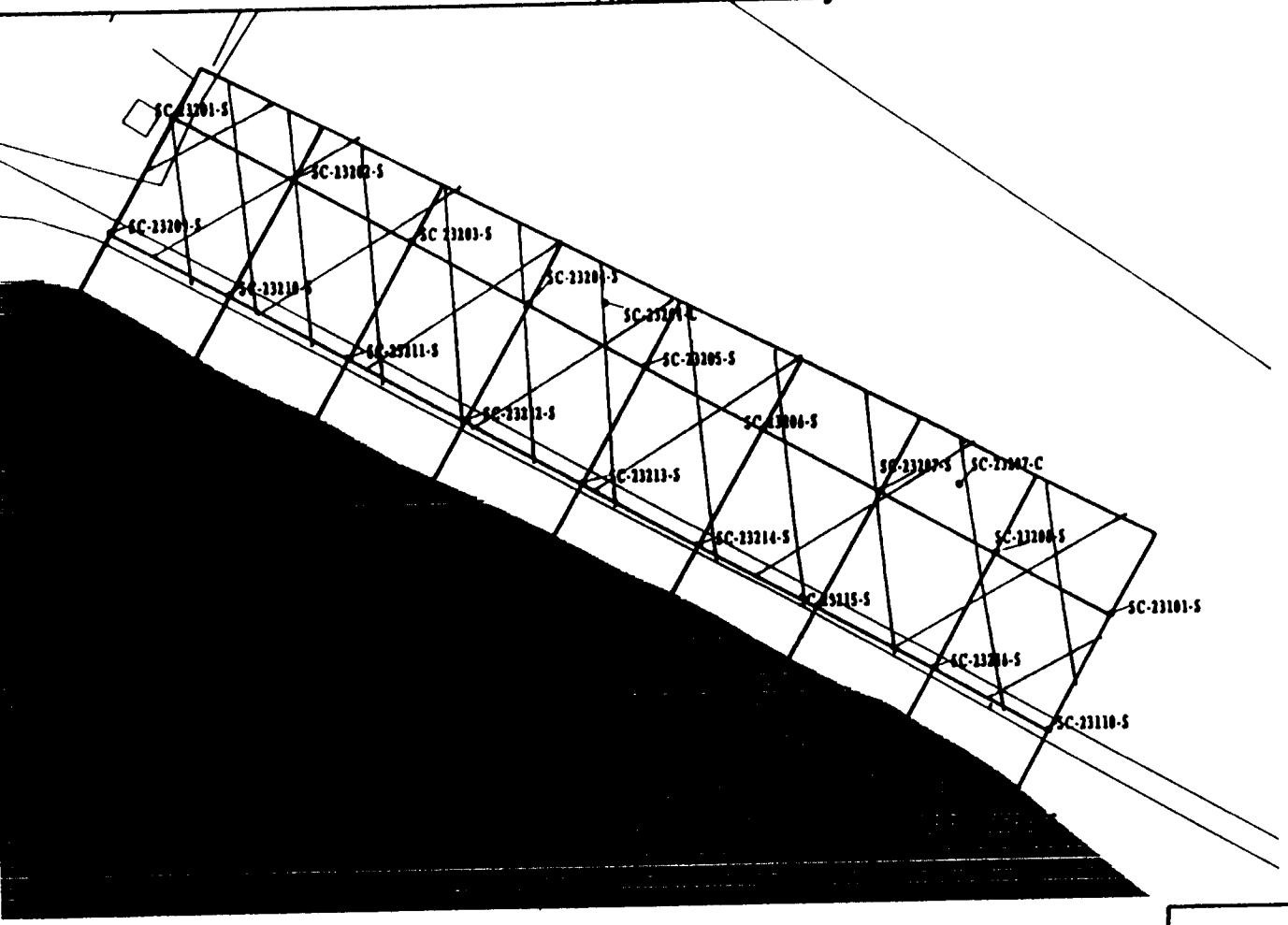
Calibration Due: 12-1-99 | 12-18-99 Calibration Due: 7-21-99 | 5-6-99

Survey Date/Time: 3/1/99 Field Bkg.: 18000 on Top 8500 on Face of Slope

Surveyor(s): C. Hanner & M. Medina

Comments: Area was surveyed and found to be less than 1.5 times background

Radiation Survey Form WP 437, RU021CU232



Repeat on 3/27/99
OF

WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N W E S

Meter Model#: 2221 Detector Model#: 44-10

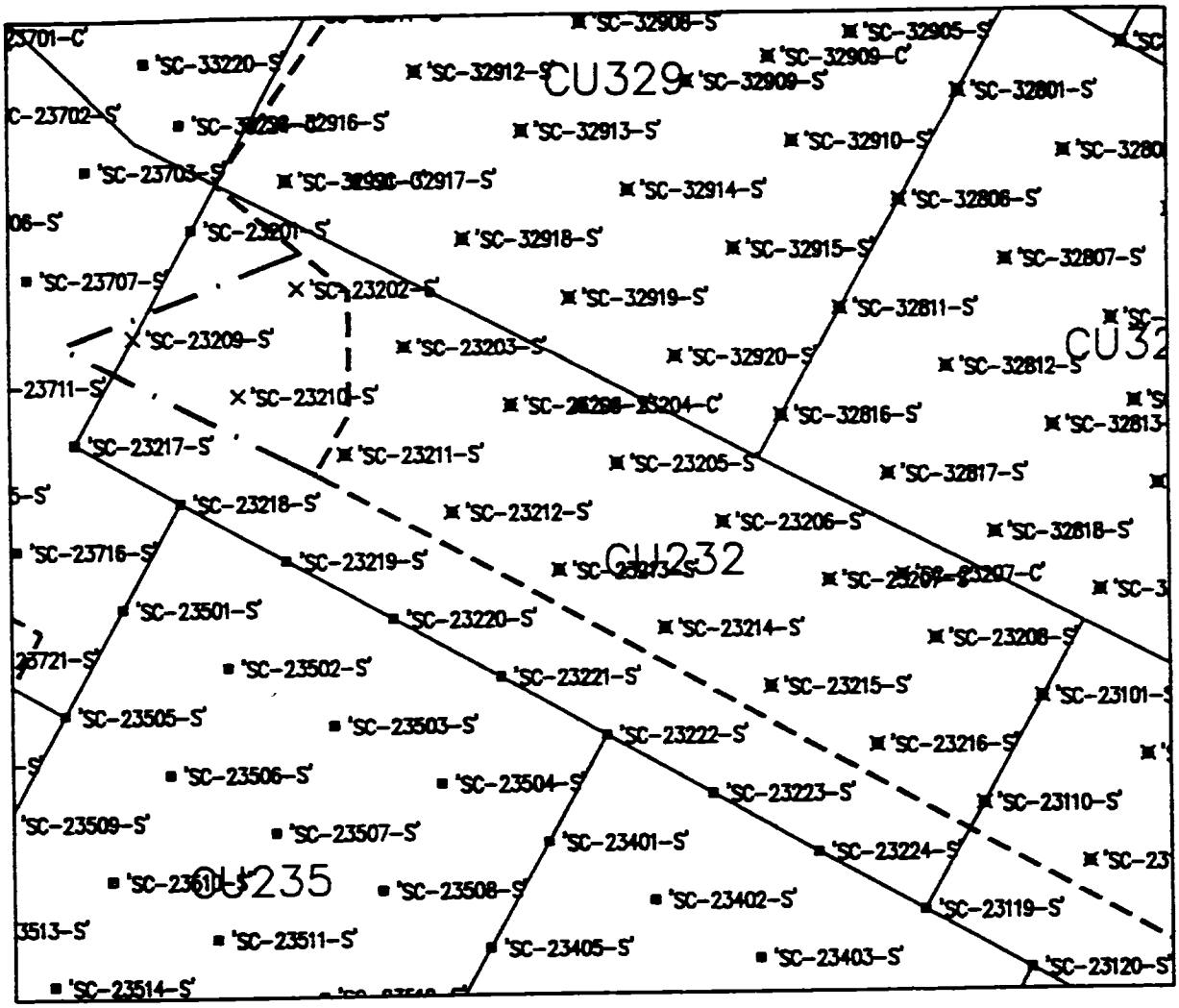
Meter Serial#: 4536 Detector Serial#: 4240

Calibration Due: 3/18/99 Calibration Due: 8/11/99

Survey Date/Time: 3/18/99 0900 Field Bkg.: 20,000 CPM

Surveyor(s): Tim Brower

Comments: All above areas surveyed & found to be < 1½ times background



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- ⌘ 'SC-32606-S' SAMPLE POINTS PREVIOUSLY PINNED AND CONFIRMED
- — — — — — CONFIRMED AREA
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 232

DBO CAD

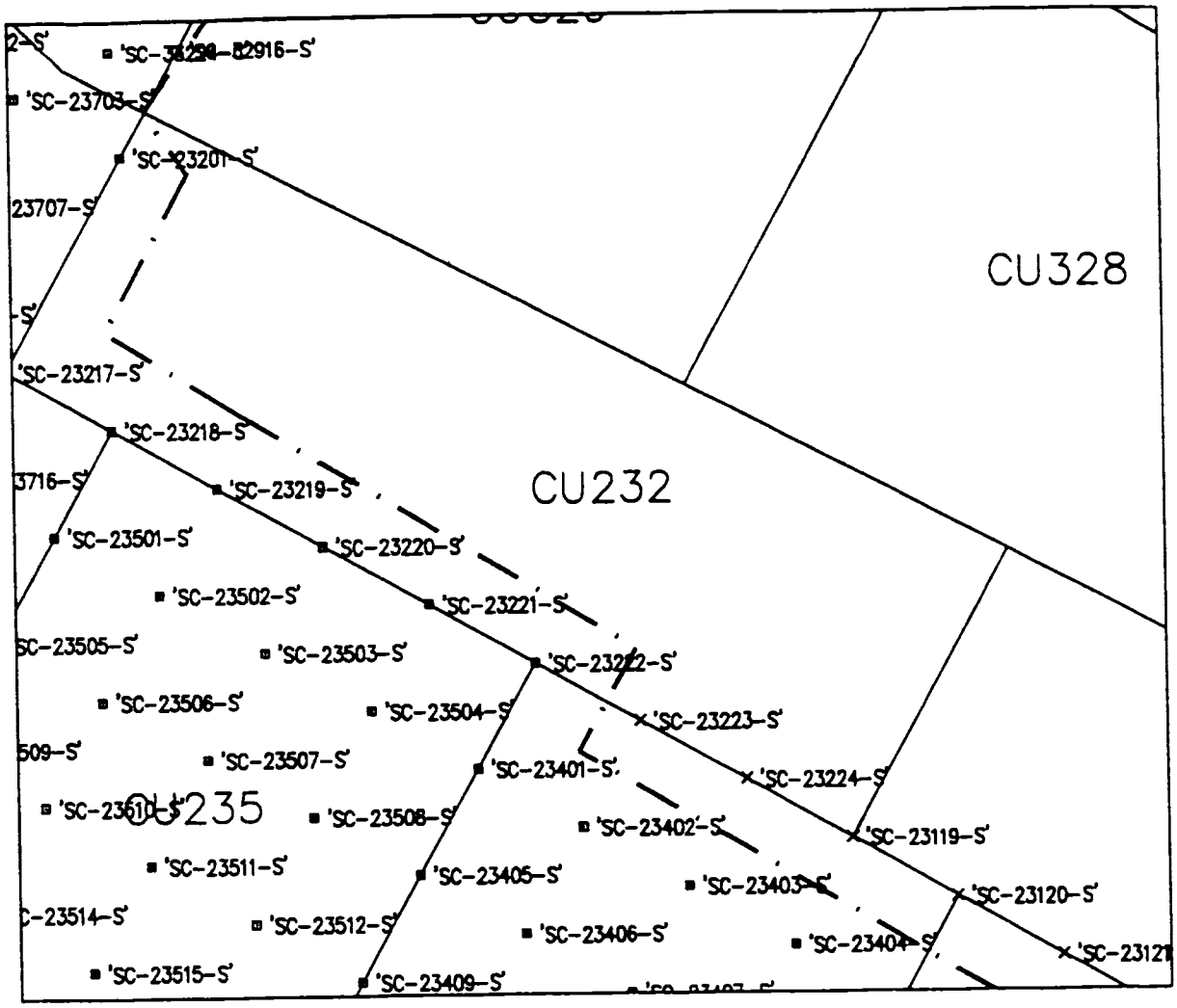
Meter Model #:	2221	Detector Model #:	2221
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Date:	12/20/99	Calibration Date:	8-11-99
Survey Date / Time:	5/24/99	Field Bkg.:	5000 cpm
Surveyor(s):	T. Bower		
Comments:	All readings <1.5 times BKg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 232

DBO CAD

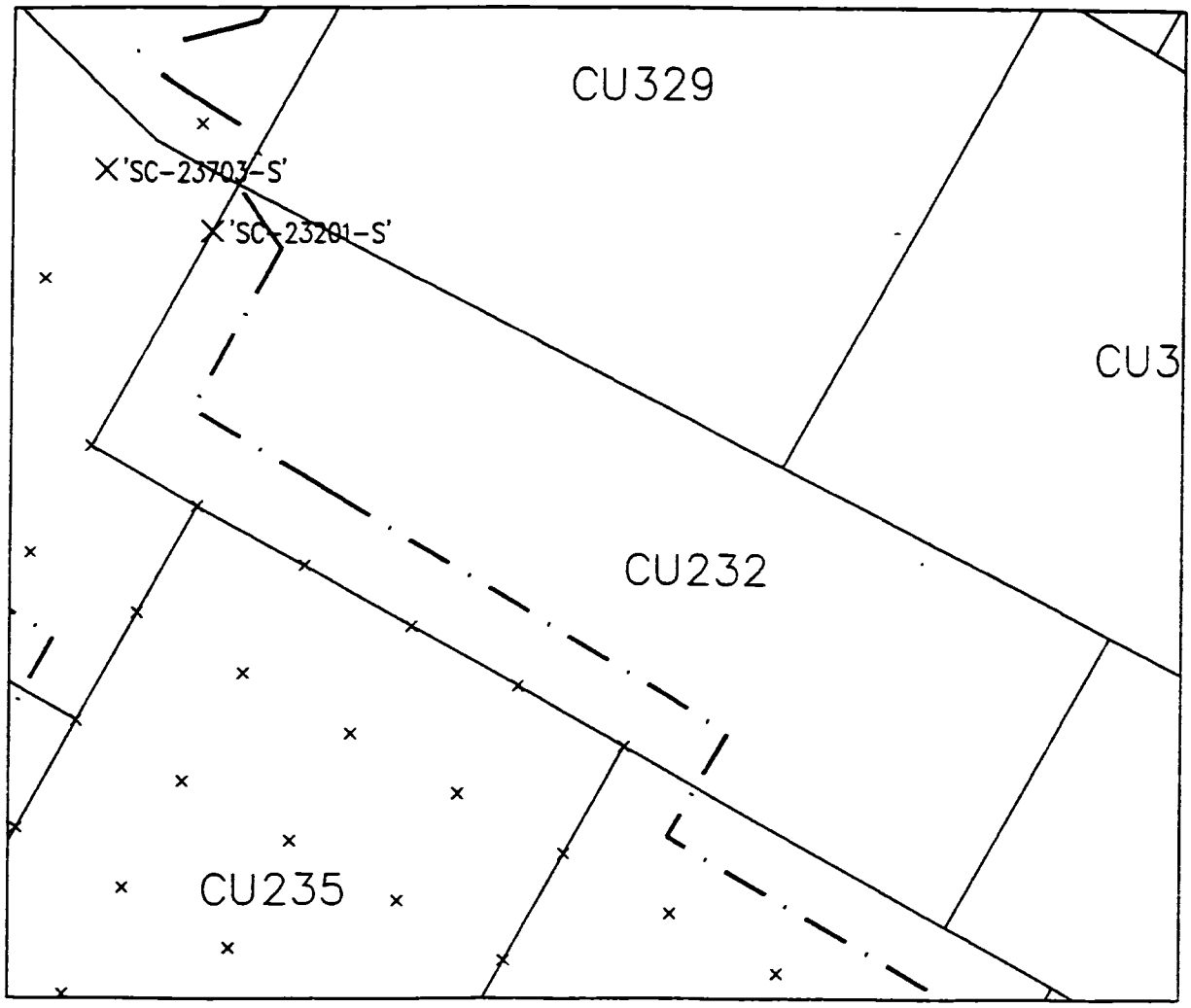
Meter Model #:	2221	Detector Model #:	2x2L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Date:	12/20/99	Calibration Date:	8/11/99
Survey Date / Time:	6/4/99	Field Bkg.:	6,000 cpm
Surveyor(s):	J. Brewer / J. Rankins		
Comments:	All readings <1.5 times Bkg.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

▫ 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 232

DHO CAD

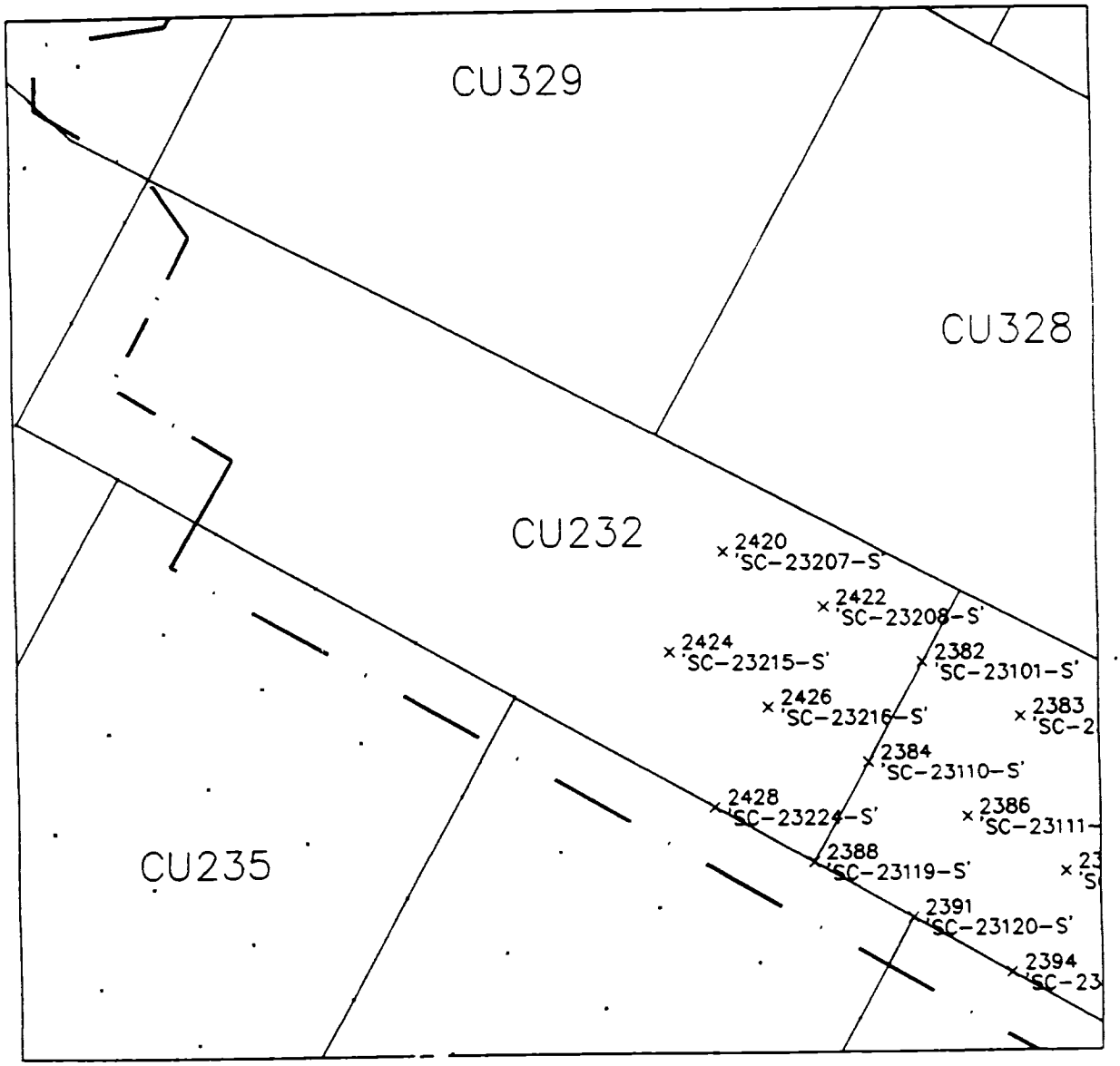
Meter Model #:	2221	Detector Model #:	2x2G
Meter Serial #:	127247	Detector Serial #:	4241
Calibration Due:	9-25-99	Calibration Due:	1-24-00
Survey Date Time:	6/10/99	Field Bkg.:	10,000CPM
Surveyor(s):	T. Brower		
Comments:	All readings < 1.5 Bkg.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

·	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 232

DHO CAD

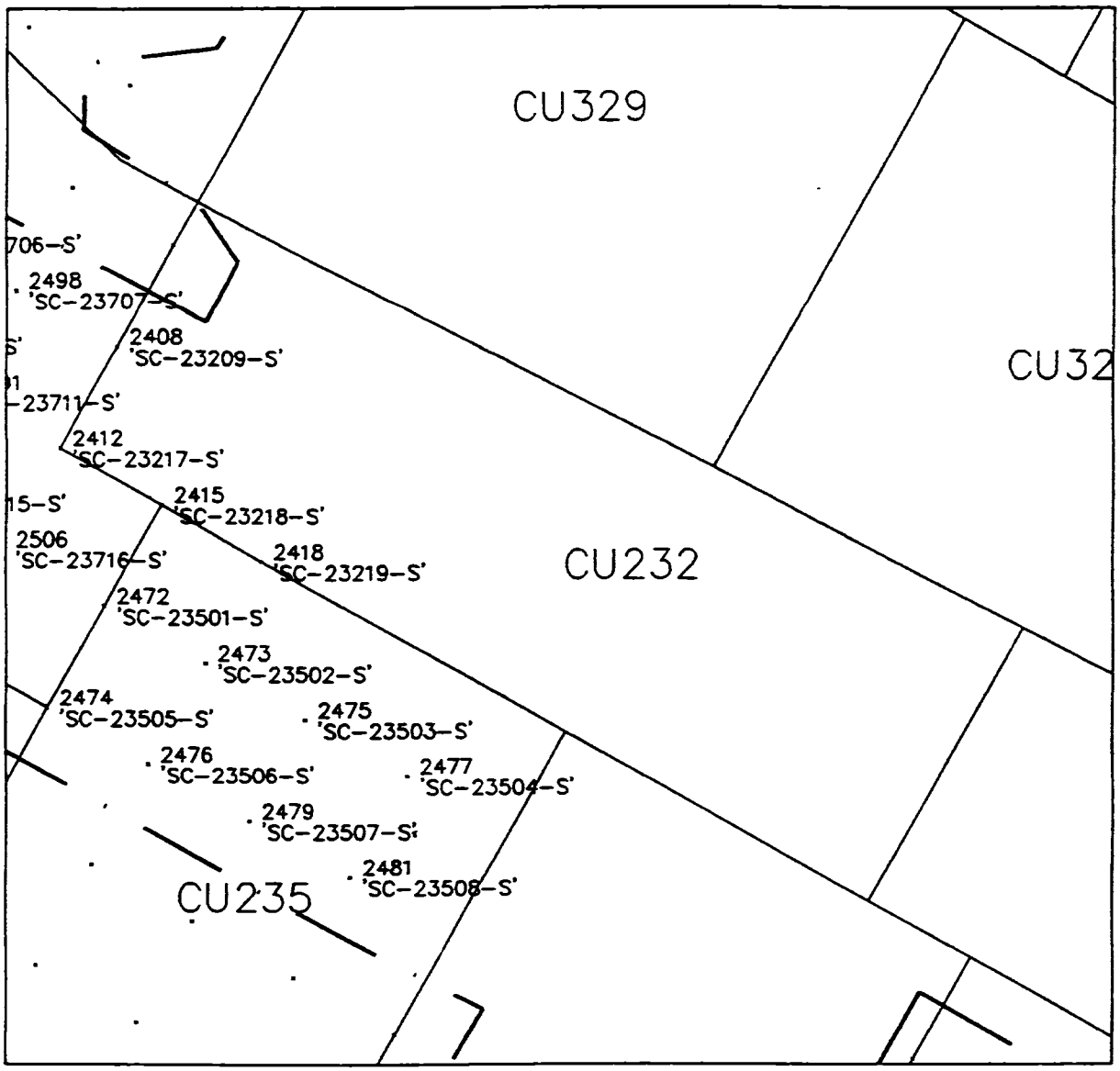
Meter Model #	2221	Detector Model #:	2x2 "6"
Meter Serial #	127247	Detector Serial #	4241
Calibration Due:	1/25/99	Calibration Due:	1/24/00
Survey Date / Time:	7/16/99	Field Bkg.	8,000CPM
Surveyor(s).	T. Brower		
Comments:	All readings w/o Bkg.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

·	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 232

7-31-99 DBO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-22-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankin		

Comments: All areas surveyed < 1.5 BKG. Also, CY's # 23207 and 23210 were included

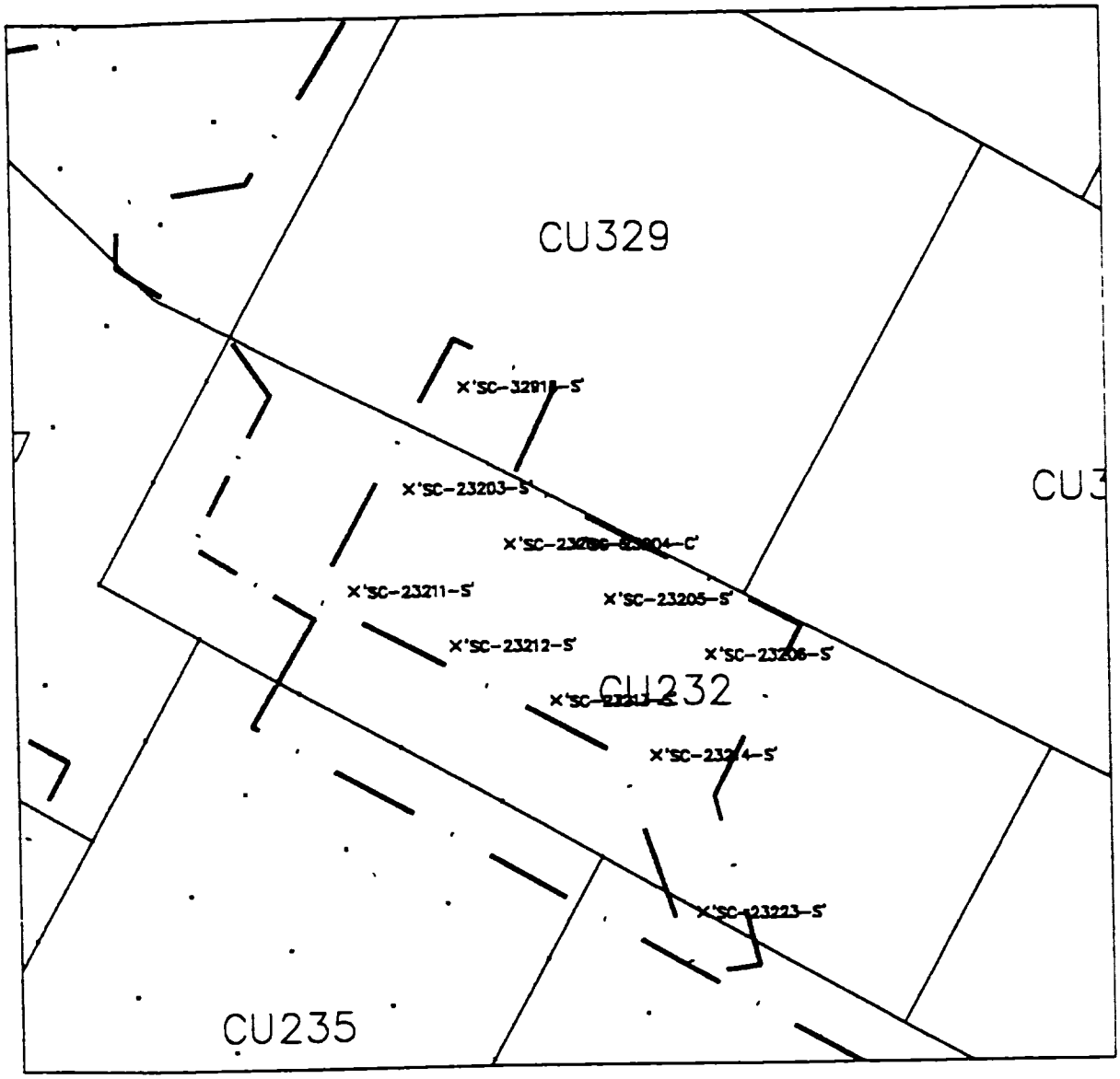
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

.	SAMPLE POINTS NOT PINNED
X'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 232

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Due:	9/25/99	Calibration Date:	1/29/00
Survey Date / Time:	1/25/99	Field Bkg.:	9,500
Surveyor(s):	C. Hanson		

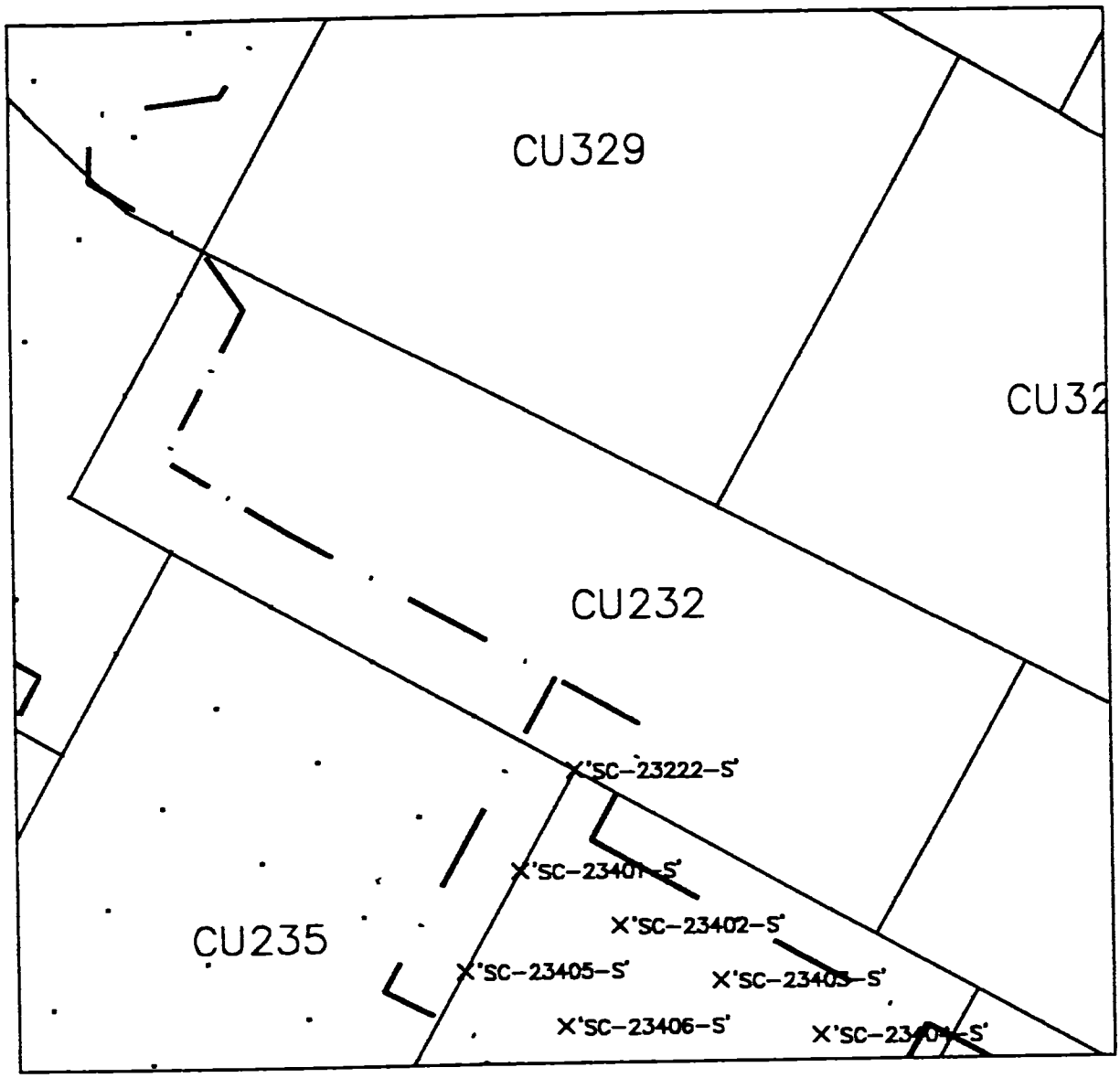
Comments: Area was surveyed and found to be less than 1.5 times background

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 232

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2 "6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/23/99	Field Bkg:	10,000 cpm
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 BKG		

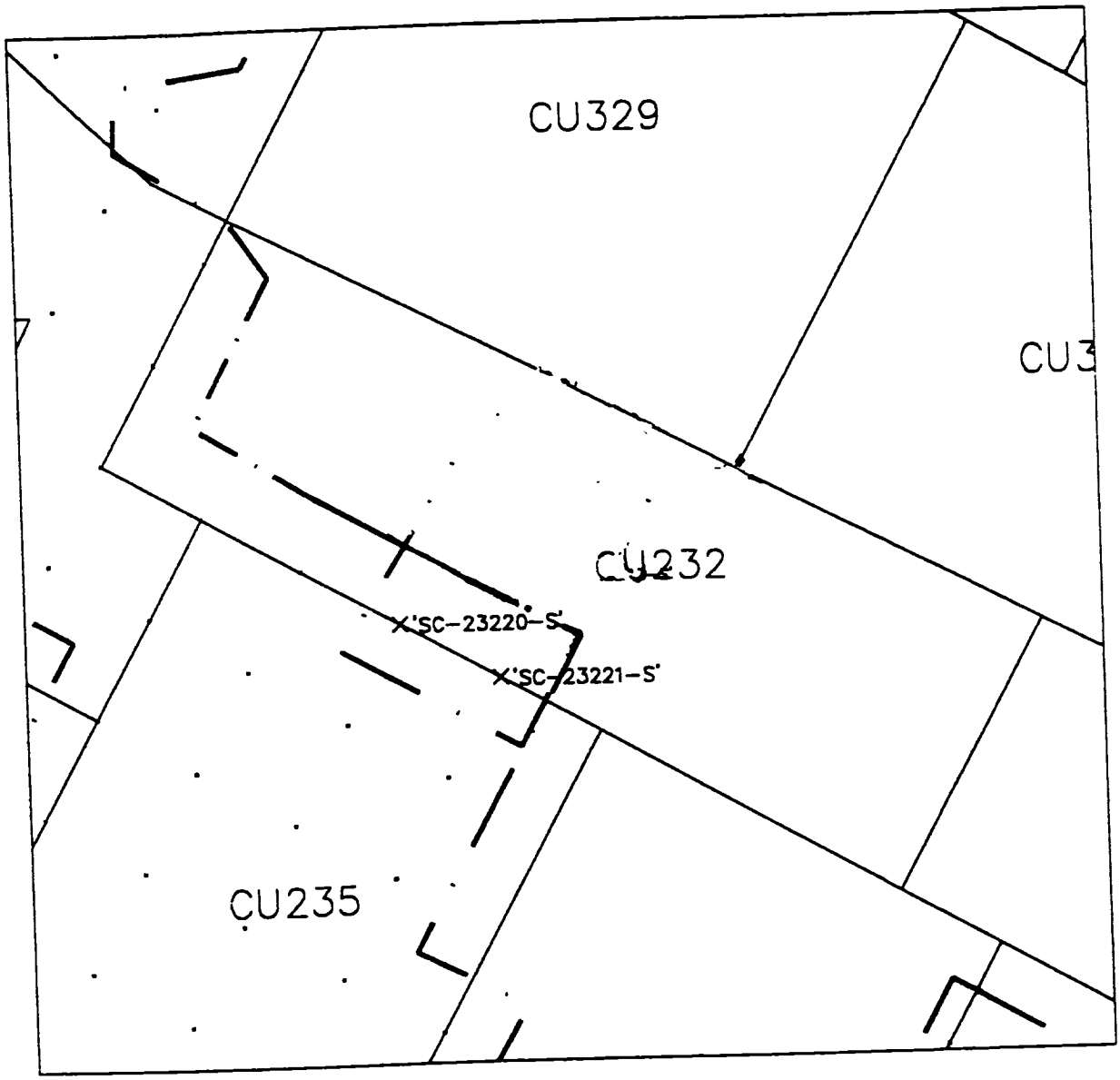
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

. SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 232

DSD CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/25/99	Field Bkg.:	9,000
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

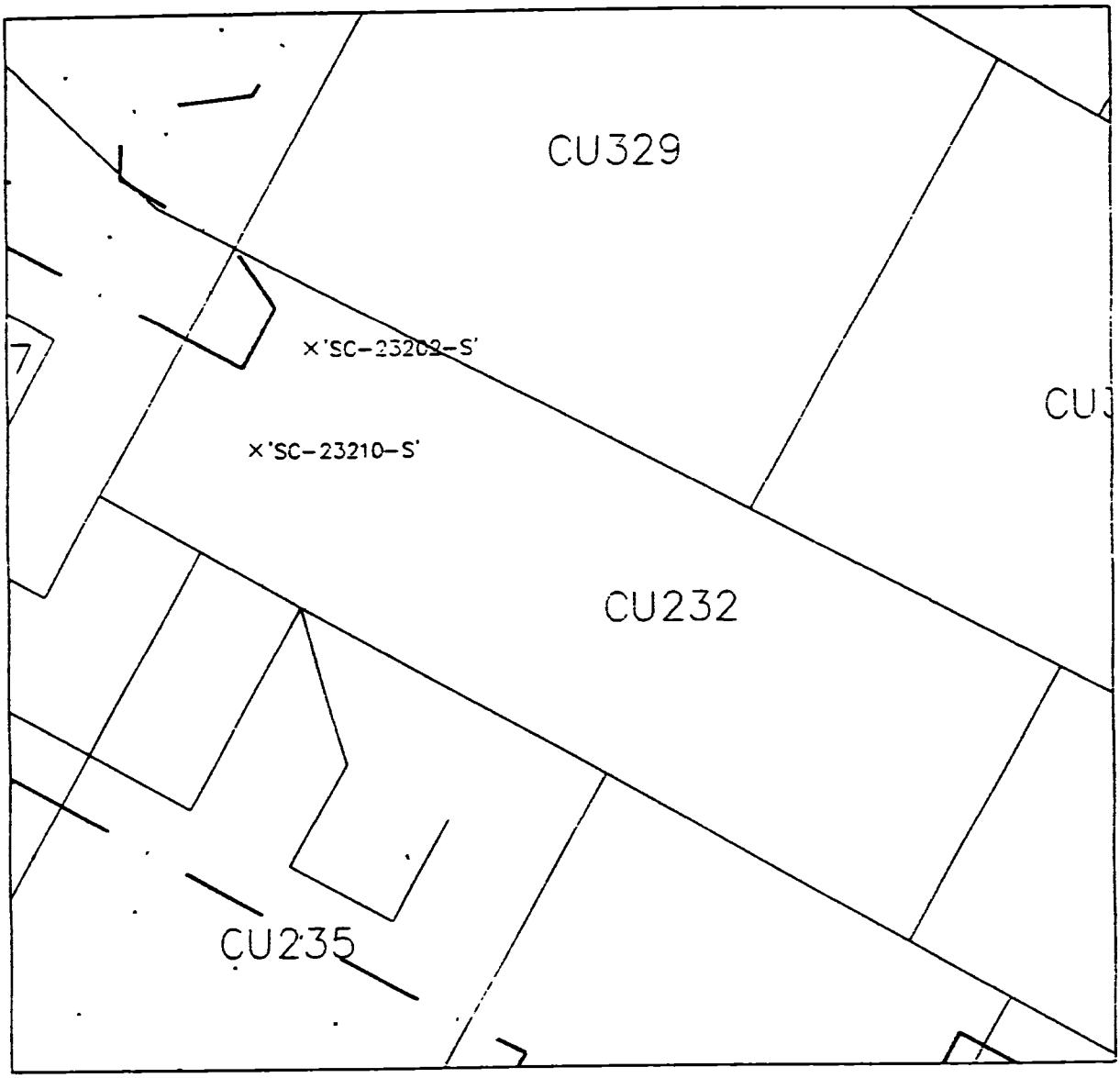
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 232

8/2/99 DHO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-30-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankin		
Comments:	All areas surveyed < 1.5 BKG.		

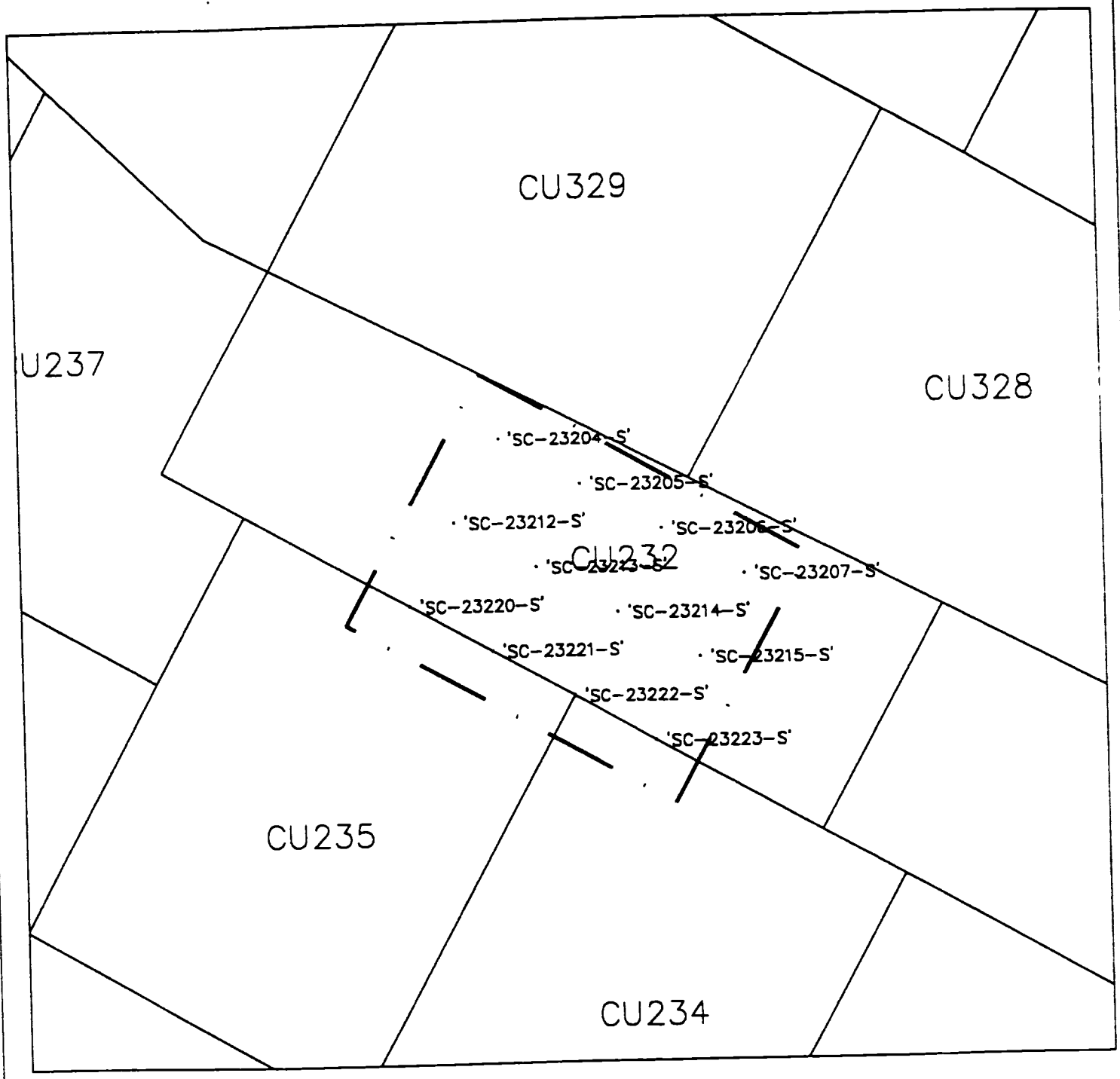
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

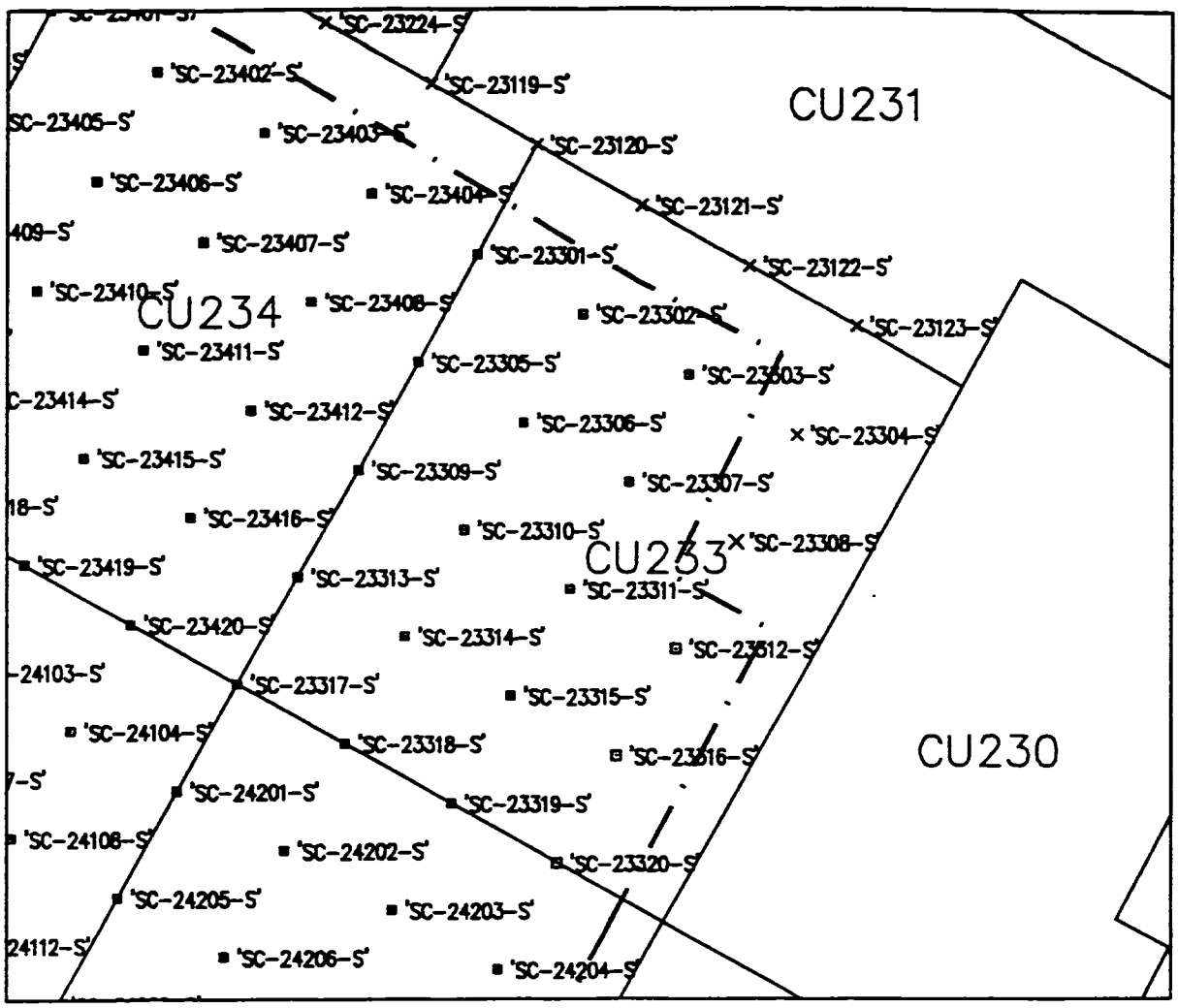
N

Radiation Survey Form WP 437, RU 21 CU 232

Date Plotted 5/01/00 DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "M"
Meter Serial #:	117617	Detector Serial #:	130764
Calibration Due:	10/13/00	Calibration Due:	9/24/00
Survey Date / Time:	4/29/00	Field Bkg:	6000 cpm
Surveyor(s):	C. Hanson		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

- ■ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 233

DBO CAD

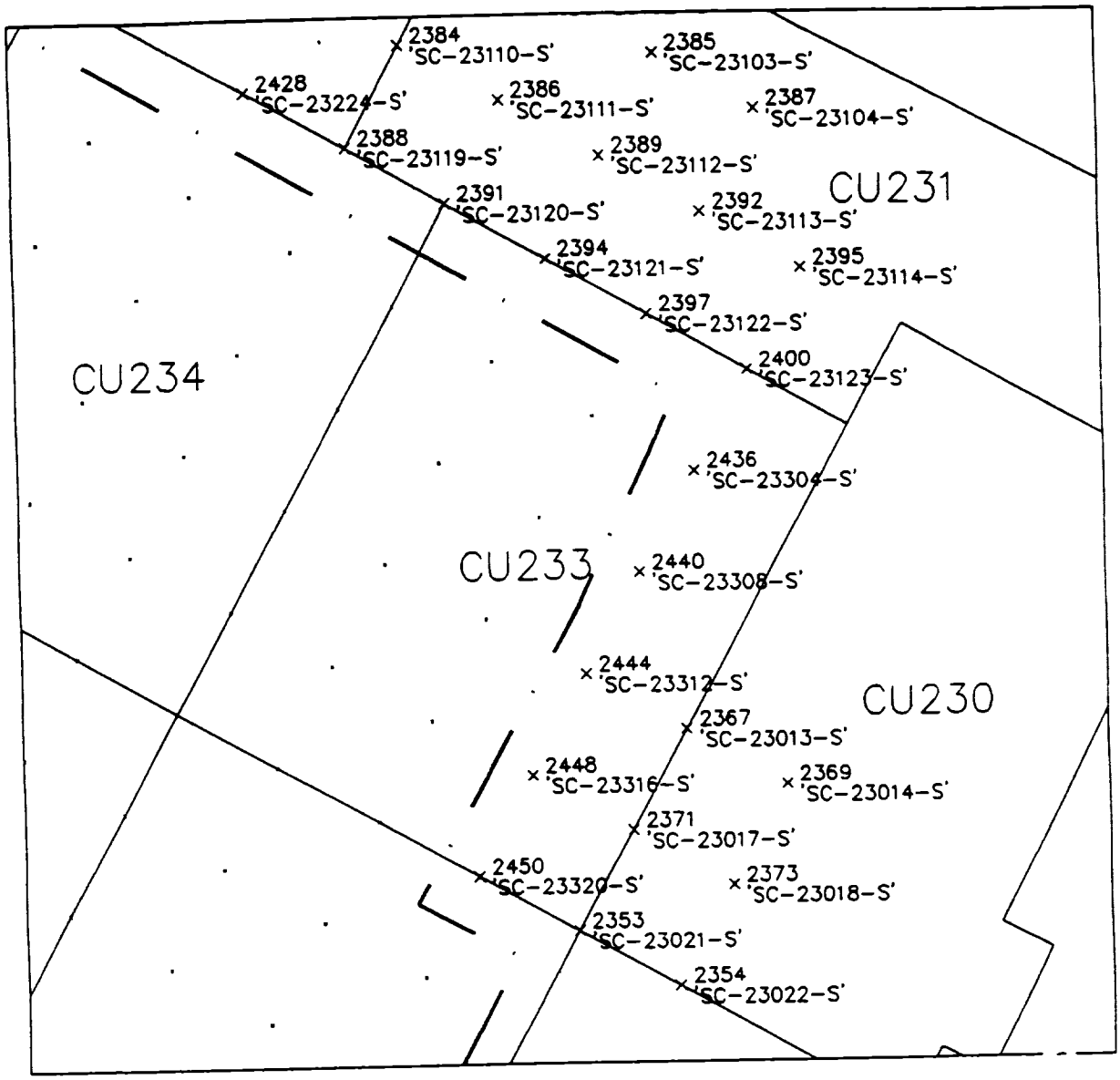
Meter Model #:	2221	Detector Model #:	2x2L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Date:	12/20/99	Calibration Date:	8/11/99
Survey Date / Time:	6/4/99	Field Bkg.:	6,000 CPM
Surveyor(s):	T. Brower / J. Rankins		
Comments:	All readings < 1.5 times Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

× 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 233

DBO CAD

Meter Model #	2221	Detector Model #:	2x2"6"
Meter Serial #	127247	Detector Serial #:	4241
Calibration Due	1/25/99	Calibration Due:	1/24/00
Survey Date / Time:	7/16/99	Field Bkg.	8,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 Bkg		

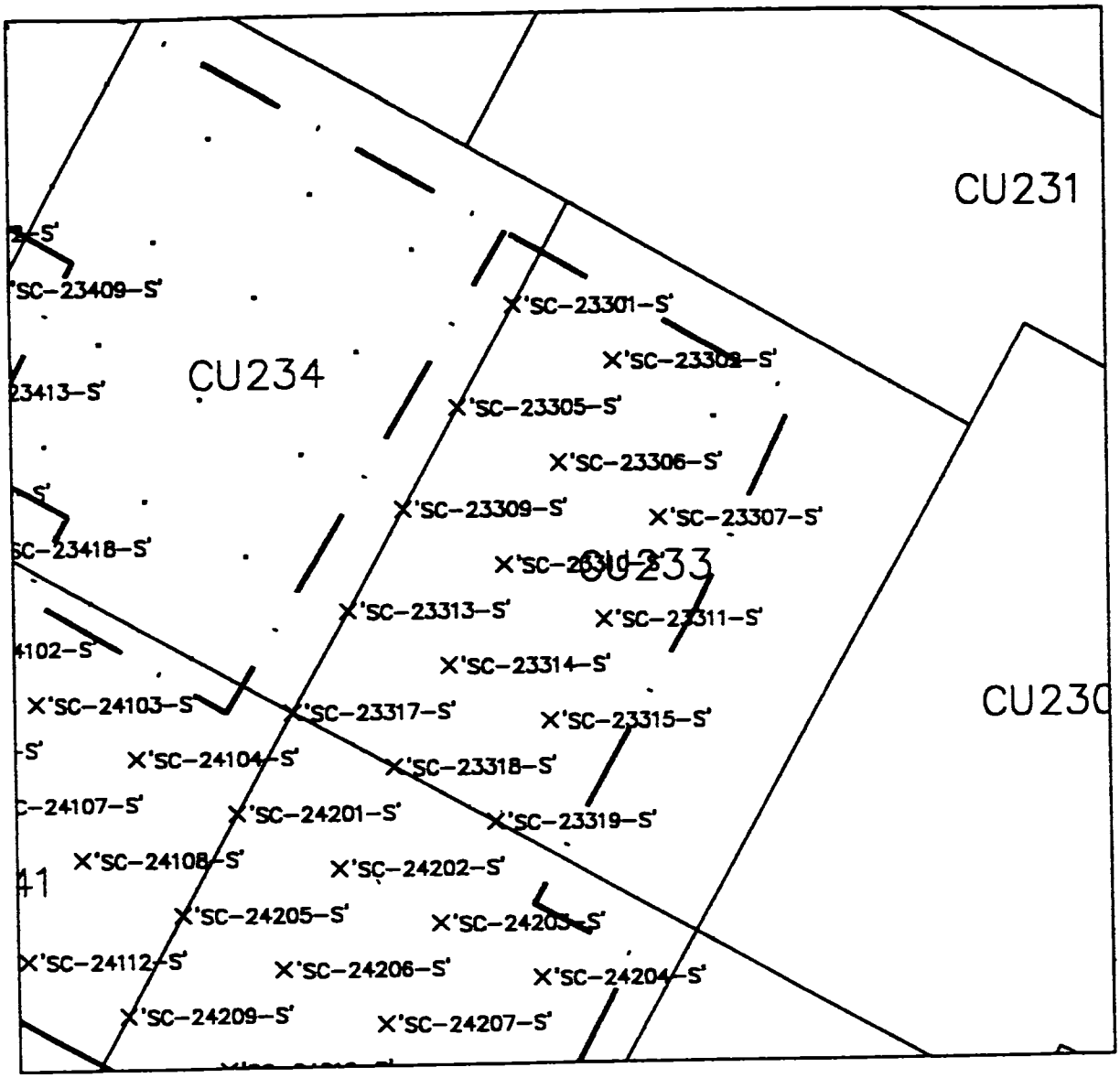
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 233

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/22/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hamm		

Comments: Area was surveyed and found to be less than 1.5 times background

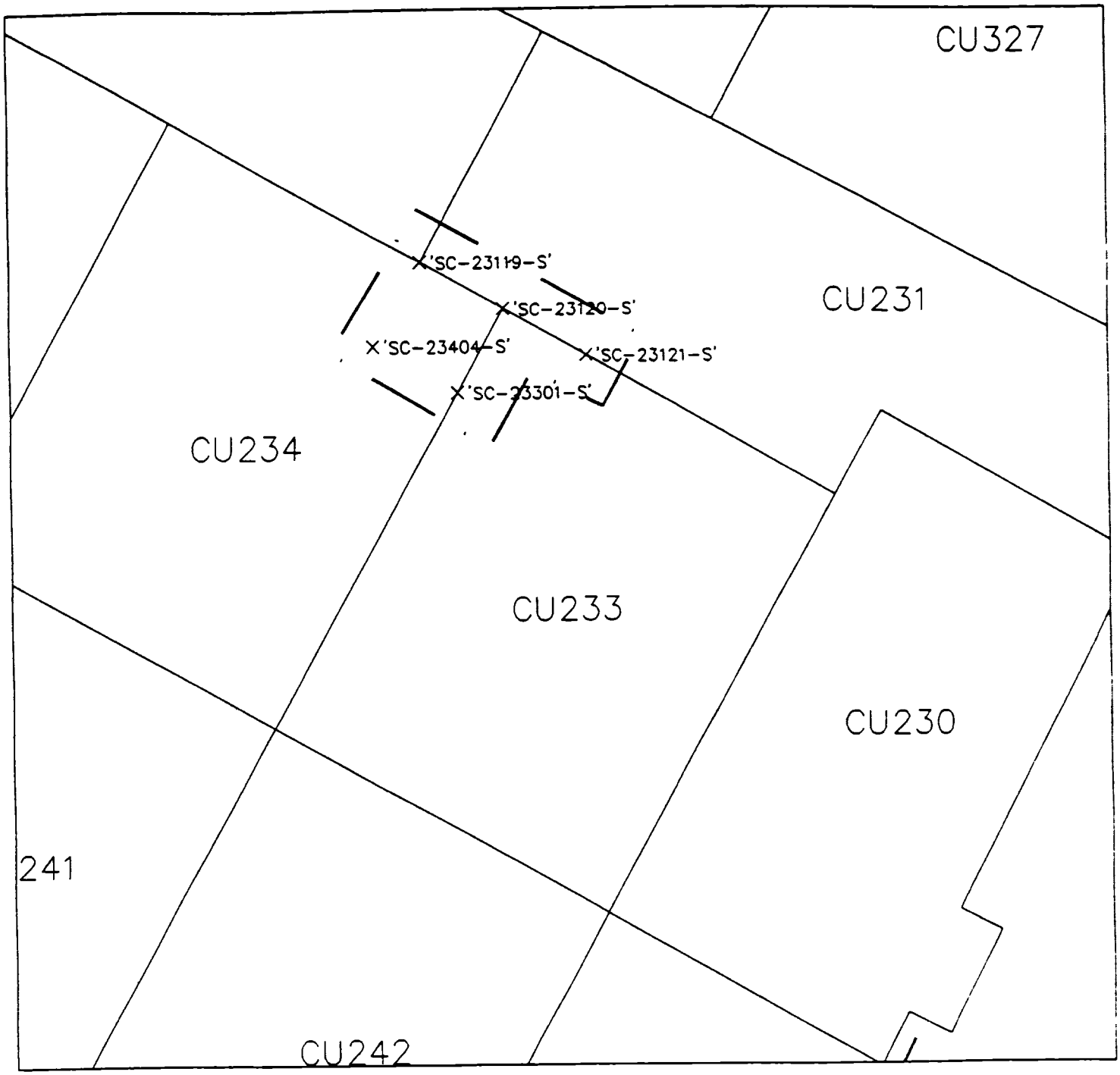
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

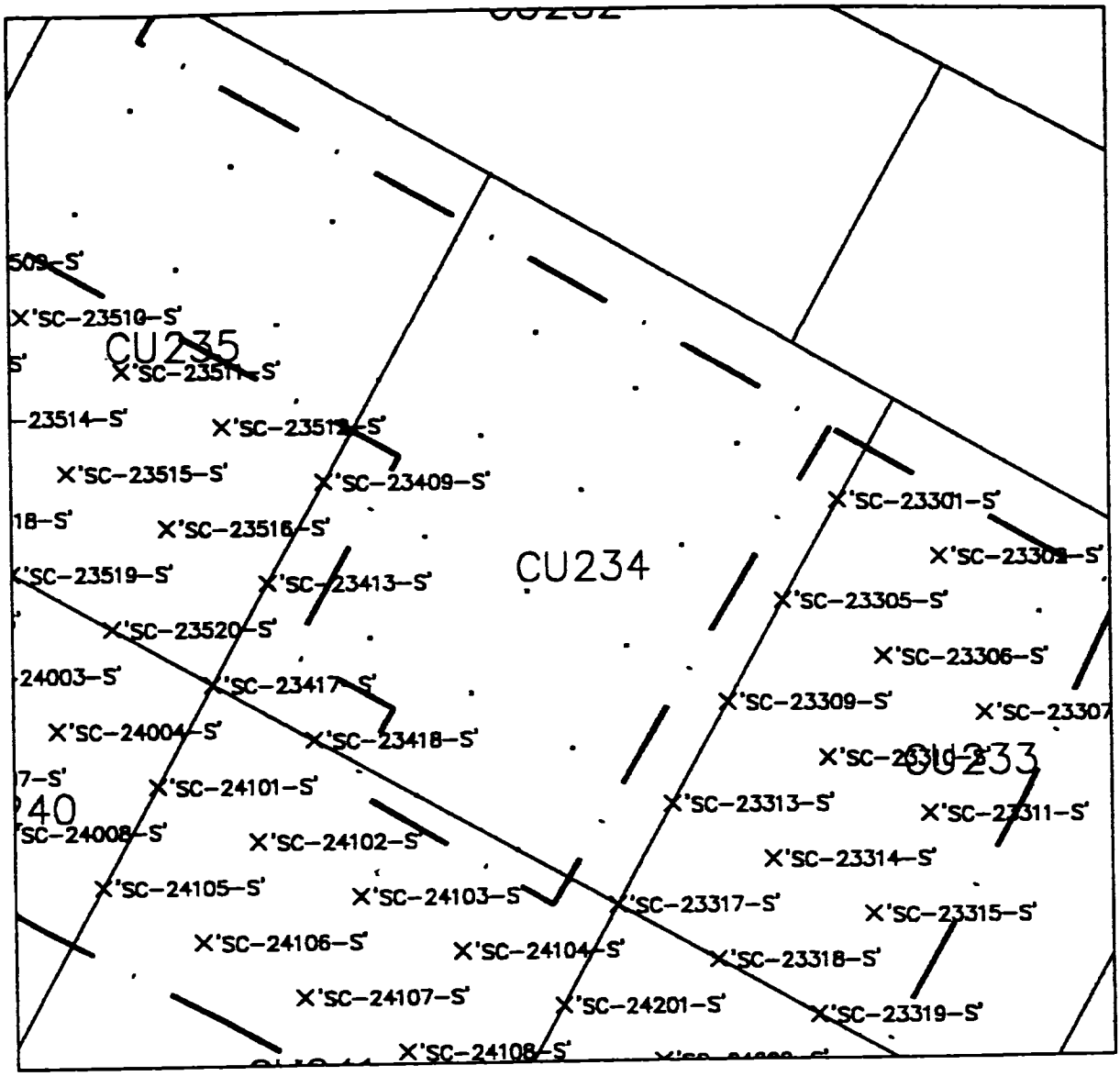
50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 233

DHO CAD

Meter Model #	2221	Detector Model #	2x2 "6"
Meter Serial #	127252	Detector Serial #	DOE # 4241
Calibration Due	09-02-00	Calibration Due	01-24-00
Survey Date / Time	11-12-99	Field Bkg.	11,000 cpm
Surveyor(s):	[illegible]		
Comments.	All areas < 1.5 BKG.		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 234

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/22/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Harper		

Comments: Area was surveyed and found to be less than 1.5 times background

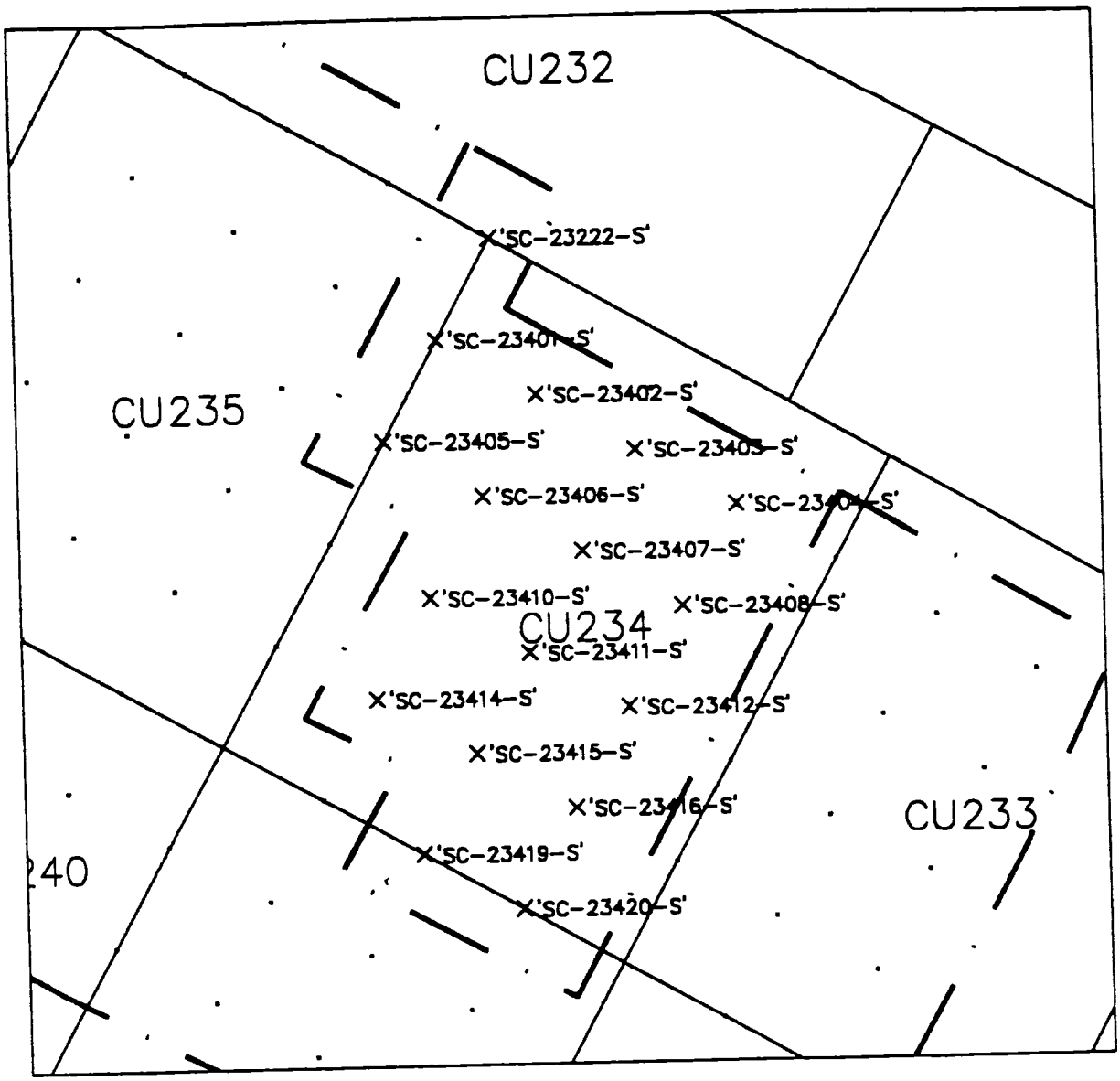
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

. SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 234

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 "6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/23/99	Field Bkg.:	10,000 cpm
Surveyor(s):	T. Brown		
Comments:	All readings 41.5 BKg		

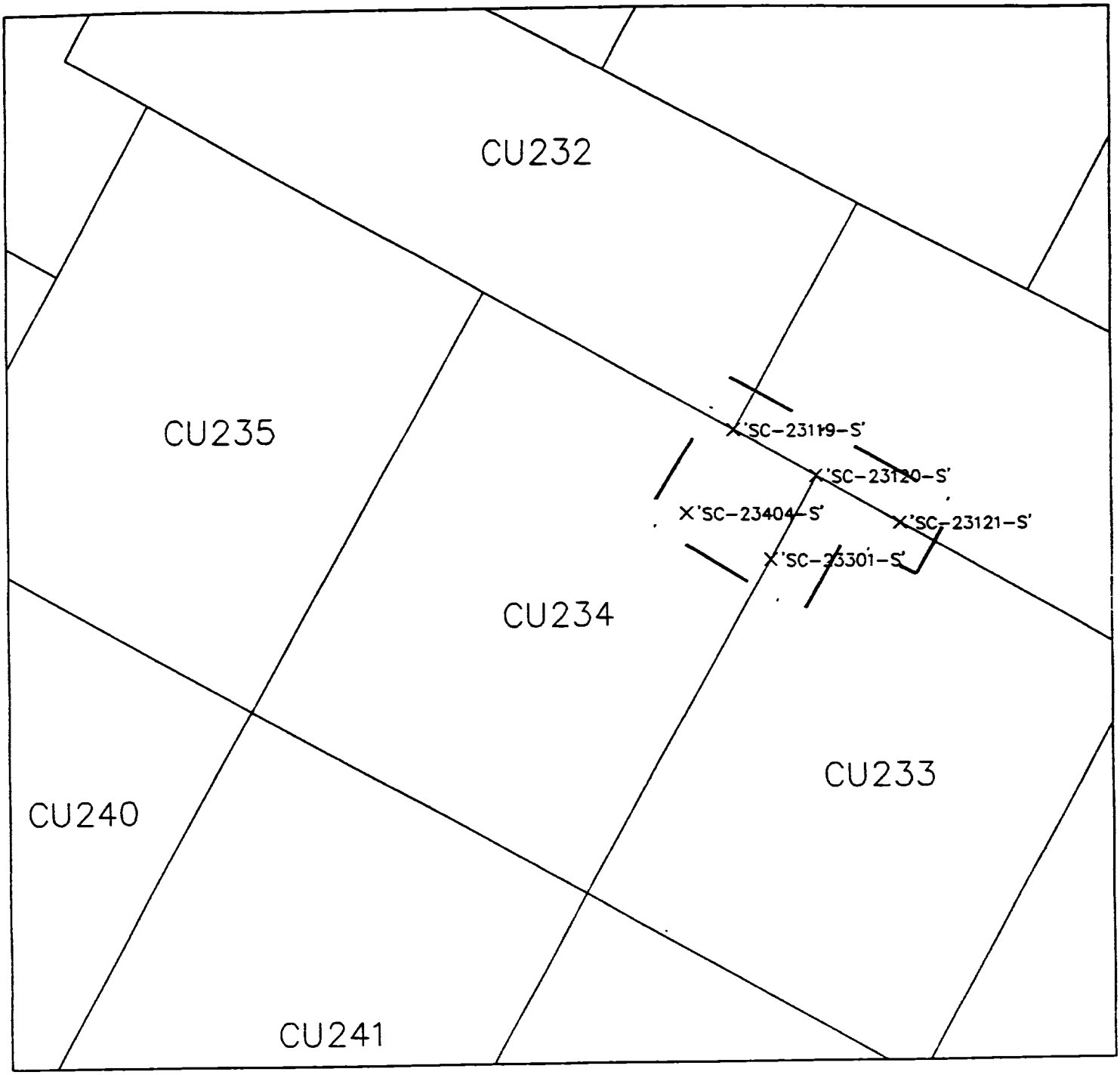
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

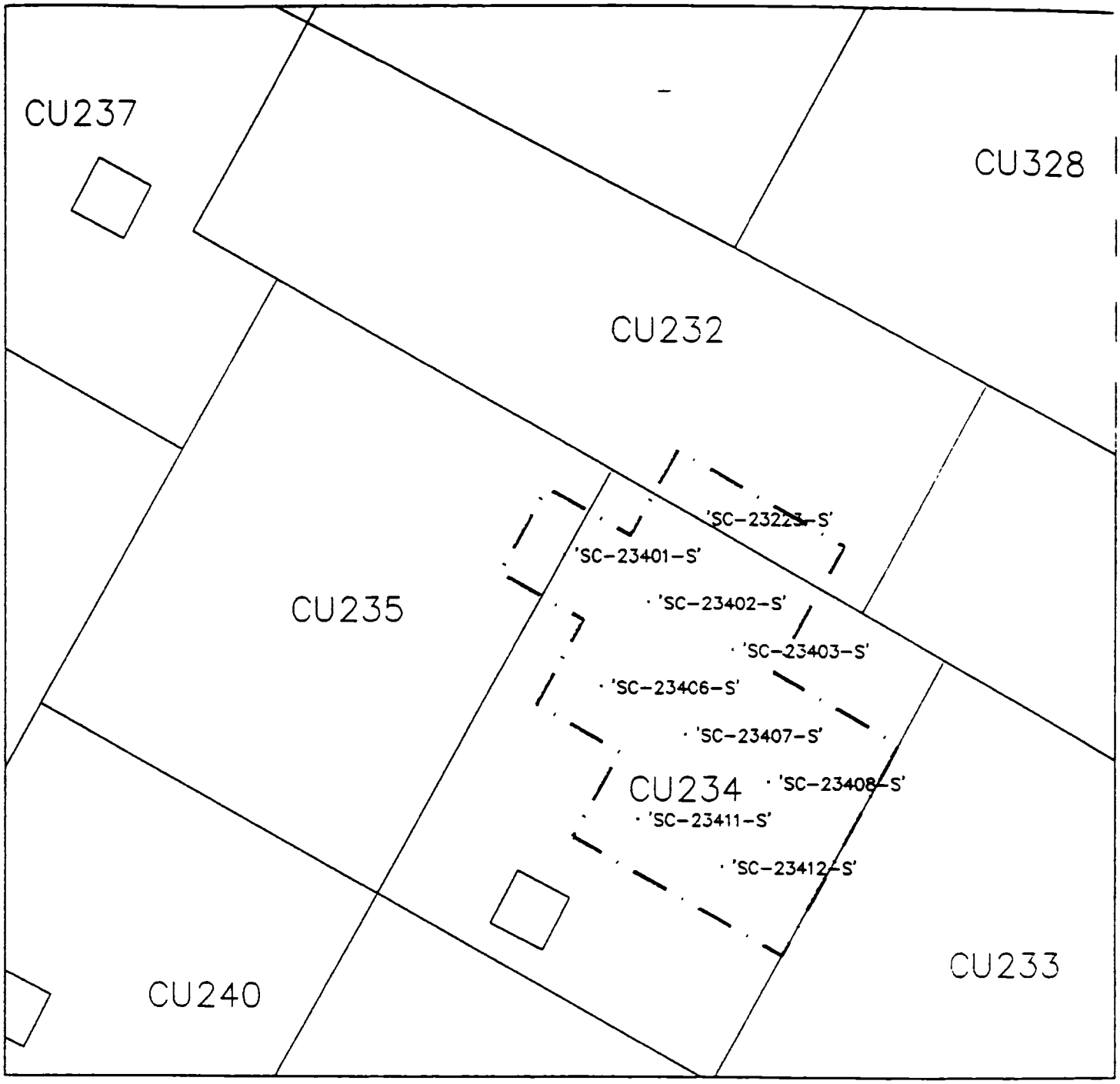
50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 234

DBO CAD

Meter Model #:	2221	Detector Model #:	7x2 "6"
Meter Serial #:	127252	Detector Serial #:	DOE # 4241
Calibration Due:	09-02-00	Calibration Due:	01-28-00
Survey Date / Time:	11-12-99	Field Bkg.:	11,000
Surveyor(s):	J. Franklin		
Comments:	all meas < 1.5 BKG		



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

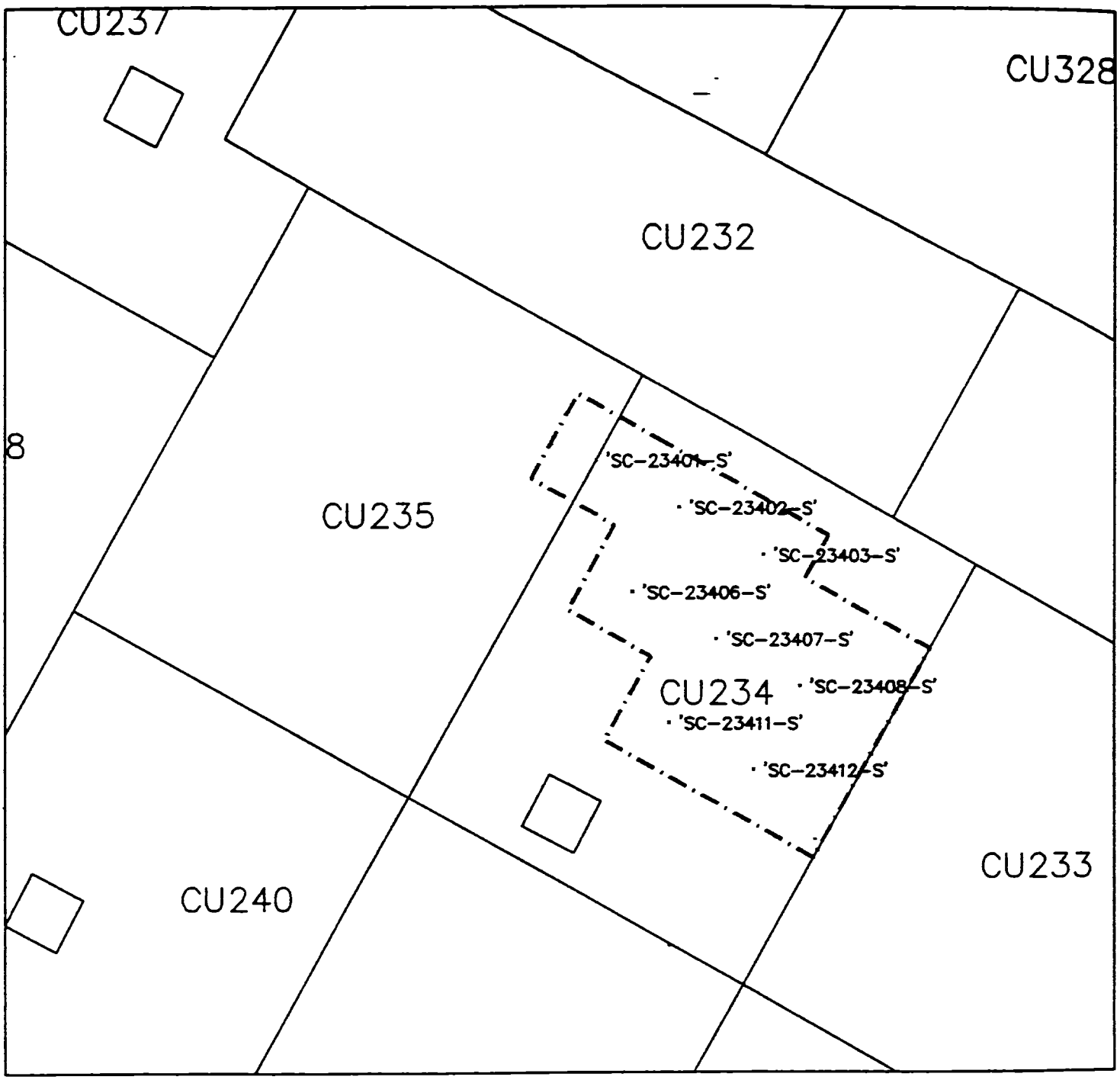
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 234/232

Date Plotted 7/8/00

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Due:	2/9/01	Calibration Due:	1/21/01
Survey Date / Time:	7/5/00	Field Bkg.:	10,000 CPM
Surveyor(s):	J. Bowen		
Comments:	All readings <1.5 Bkg		



LEGEND

• 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

(IN FEET)
1 inch = 50 ft.

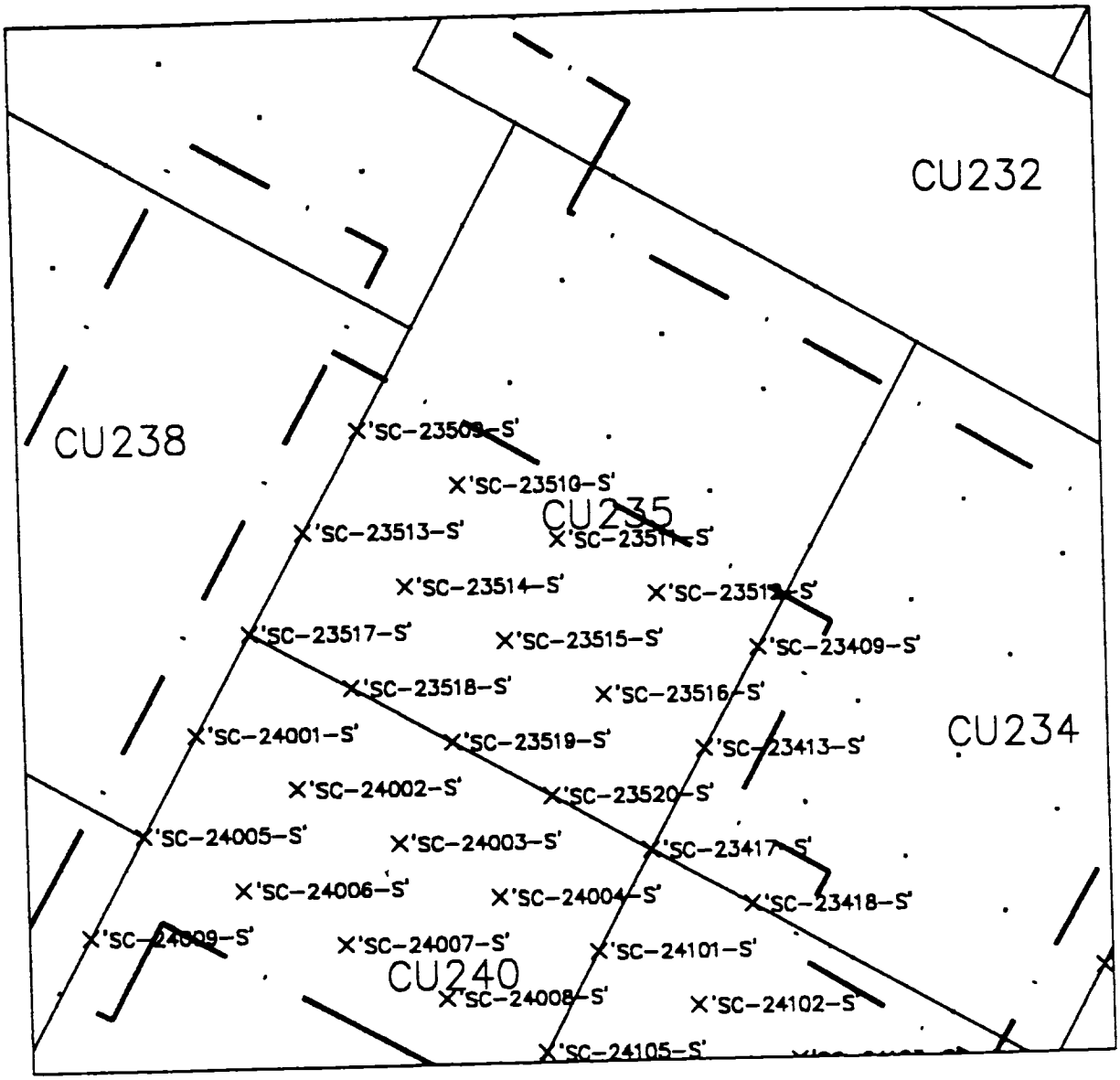
Radiation Survey Form WP 437, RU 21 CU 234

Date Plotted 7/10/00

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Date:	2/9/01	Calibration Date:	1/21/01
Survey Date / Time:	7/9/00	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brower		
Comments:	All reading ~~of B~~ soil <1.5x BKg		

\Fieio_price\ adrive\ adsk\ PROJ\ CONUNIT\ dwg\ ...



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 235

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/22/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

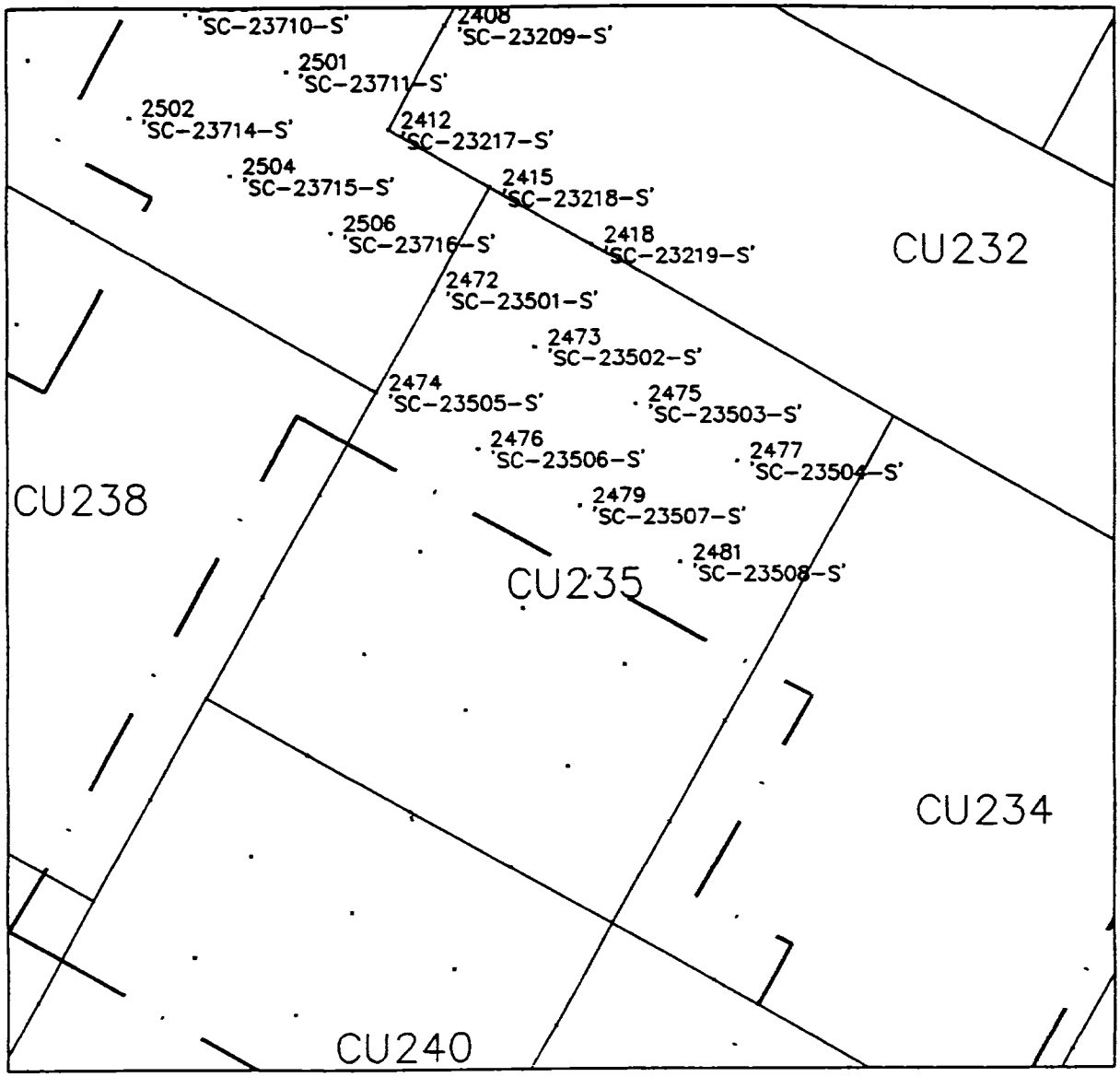
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

·	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 235

7-31-99

DHO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-22-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankin		

Comments: All areas surveyed <1.5 BKG. CU #'s 23202 and 23210 are also included.

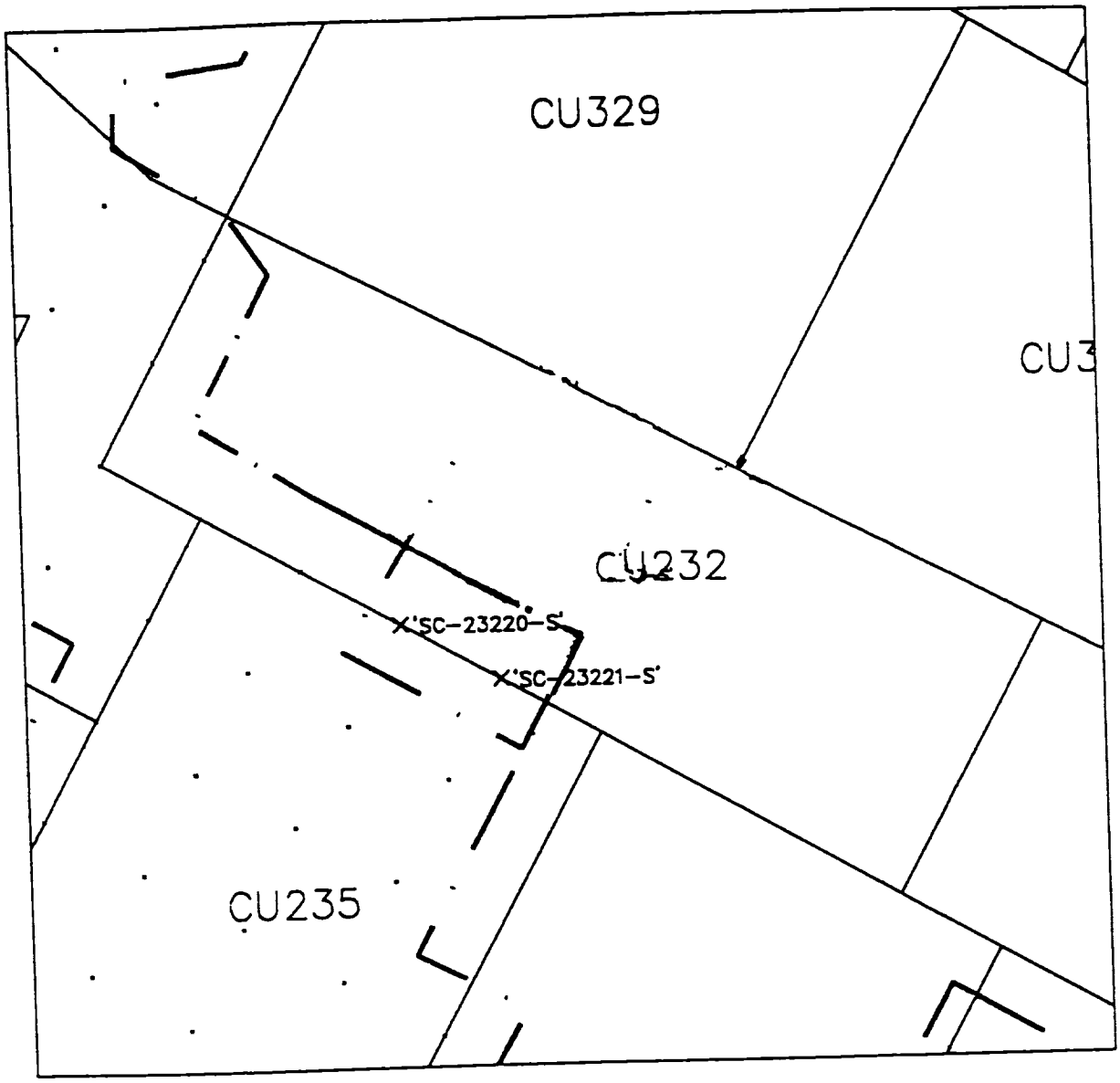
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU ~~232~~ 235

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/25/99	Field Bkg.:	9,000
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background

N

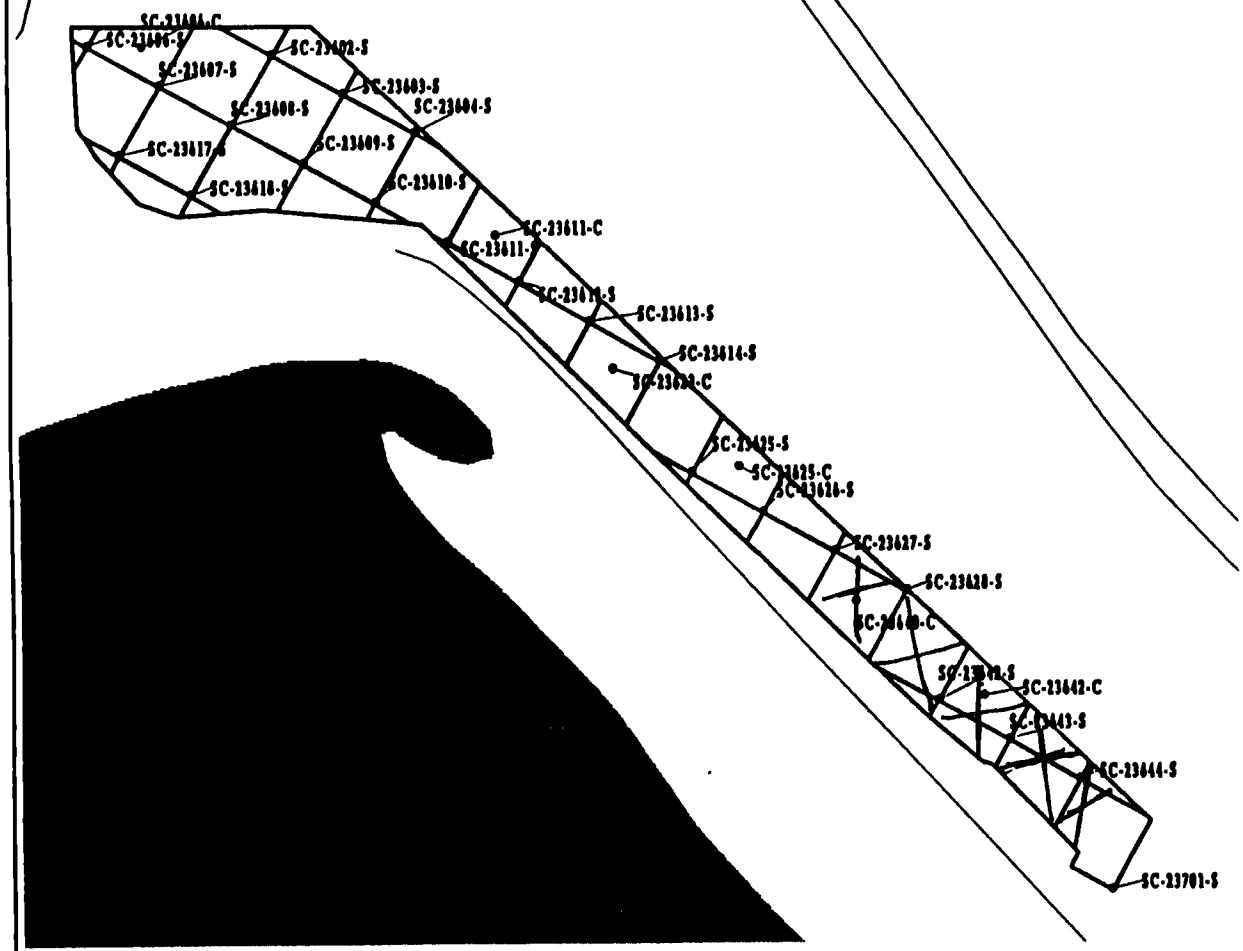
GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.

Radiation Survey Form WP 437, RU021CU236



15 7.5 0 15 METERS

45 22.5 0 45 FEET

N
W E
S

WSSRAP GIS

Meter Model#: 2221

Detector Model#: ~~130763~~ NaI

Meter Serial#: 125435

Detector Serial#: 130763

Calibration Due: 12-20-99

Calibration Due: 8-11-99

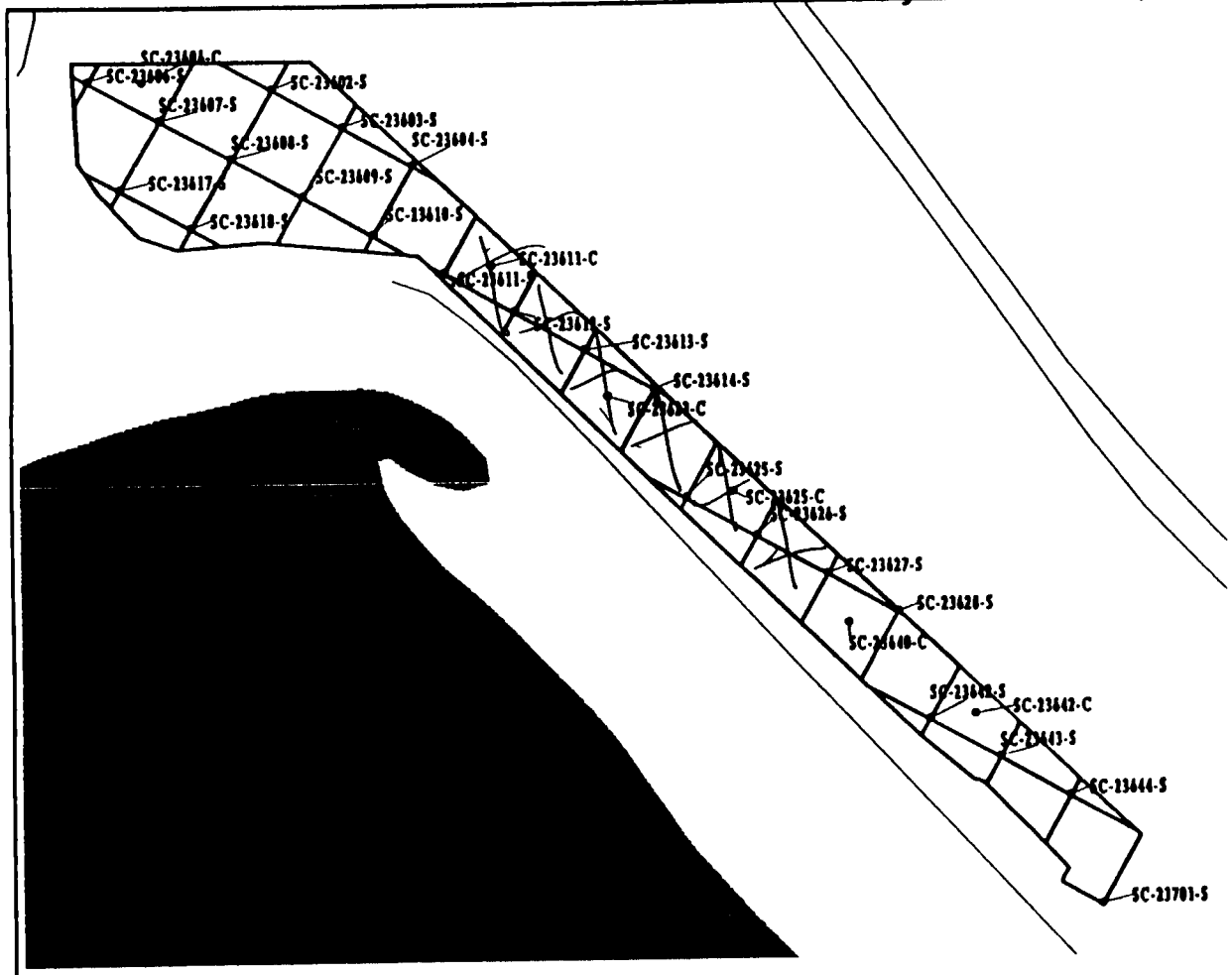
Survey Date/Time: 02/14/99

Field Bkg.: 23,000 CPM

Surveyor(s): [illegible]

Comments: open probe survey. Background was ≈23,000 CPM area surveyed <1.5 BKG.

Radiation Survey Form WP 437, RU021CU236



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N
W E
S

Meter Model#: 2221

Meter Serial#: 125435

Calibration Due: 12-20.99

Survey Date/Time: 2/17/99

Surveyor(s): M. MEDINA

Detector Model#: NaI 2x2

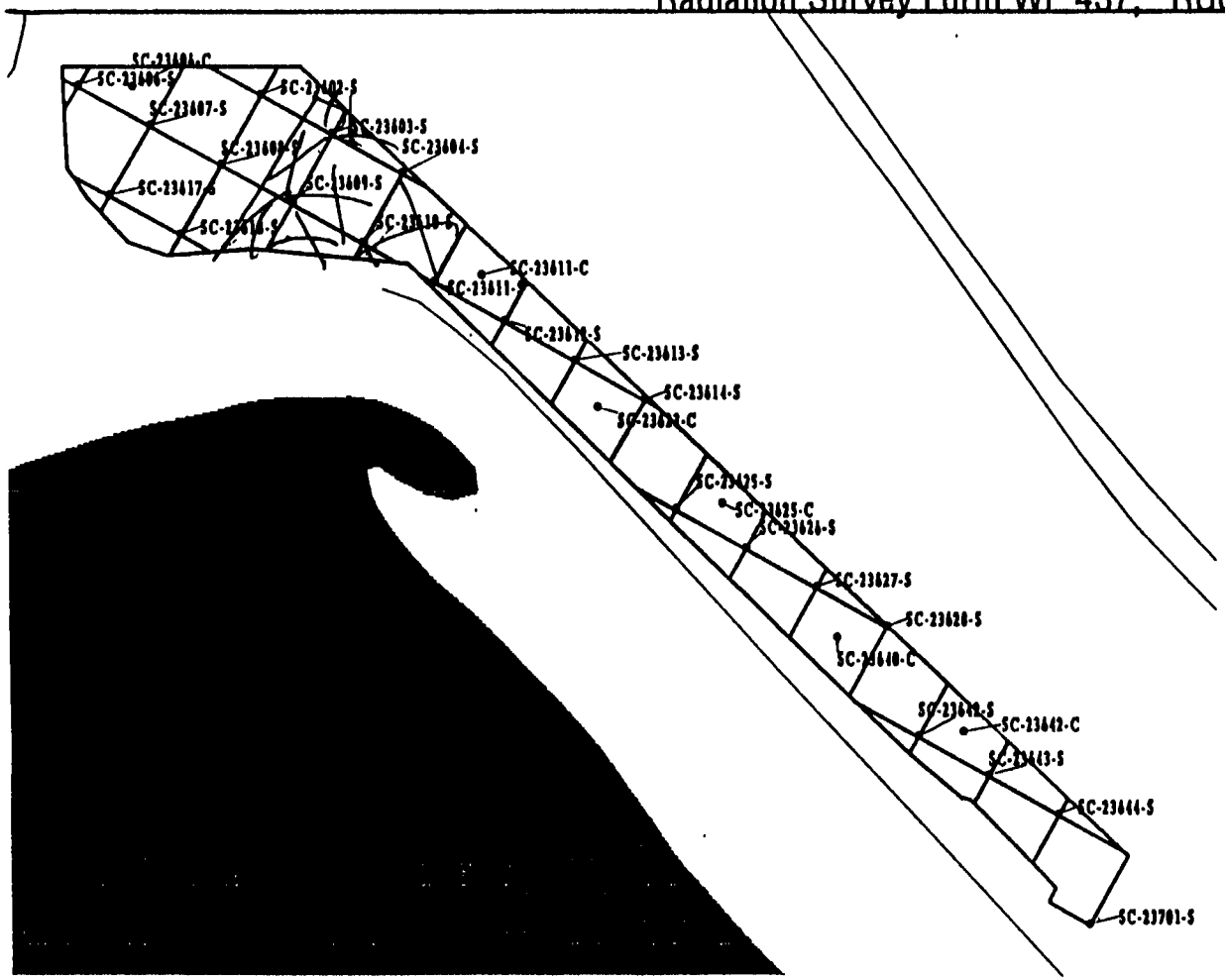
Detector Serial#: 130763

Calibration Due: 8-11.99

Field Bkg.: 15,000 CPM

Comments: BKG. ≈15,000 CPM area surveyed < 1.5 X BKG.

Radiation Survey Form WP 437, RU021CU236



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N
W E
S

Meter Model#: 2221

Meter Serial#: 125435

Calibration Due: 12-20-99

Survey Date/Time: 2/19/99

Surveyor(s): M. Medina

Comments: ~~SHIELDED BKG.~~ 6,000 CPM Area surveyed 1.5 x BKG.

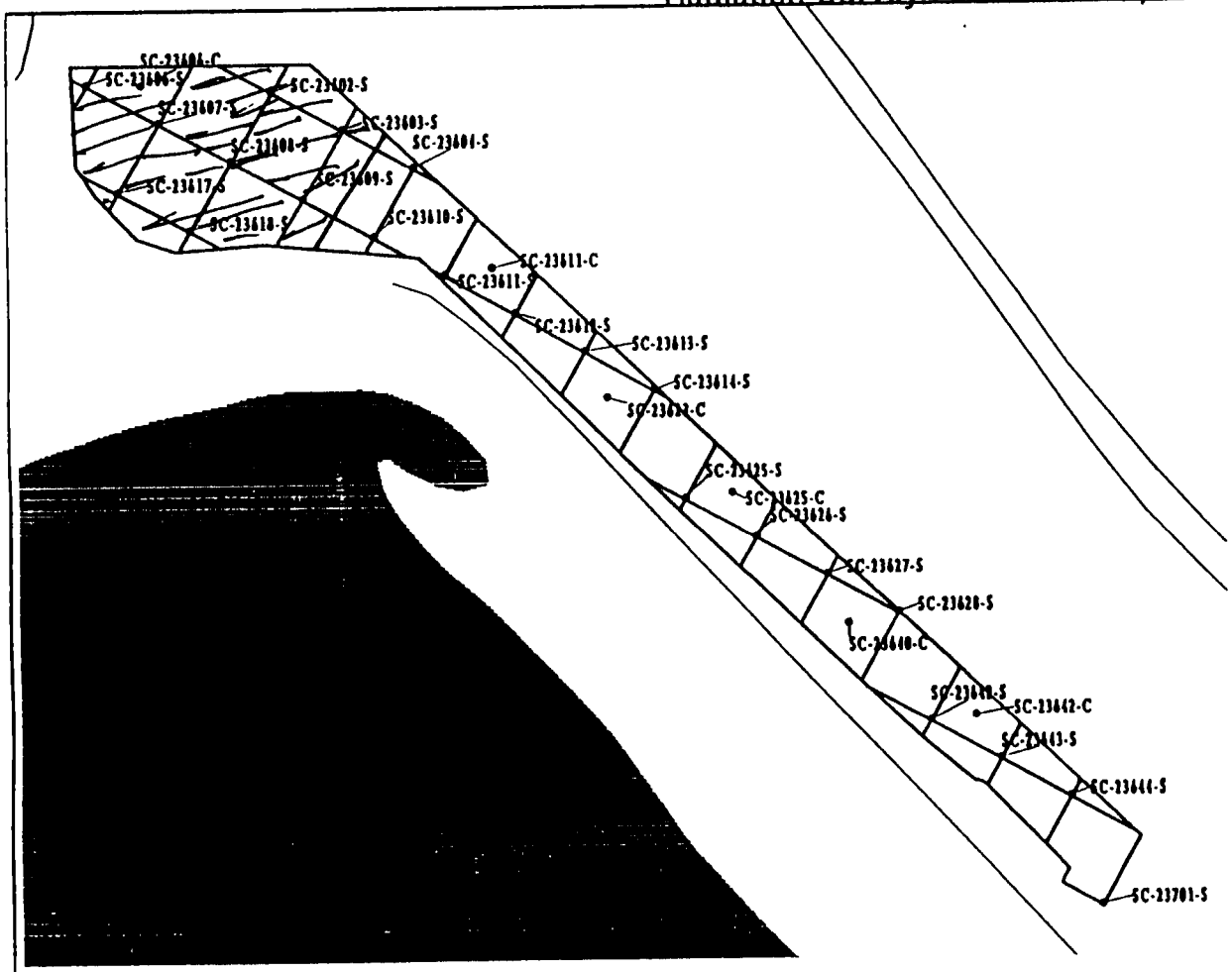
Detector Model#: NaI 2x2

Detector Serial#: 130143

Calibration Due: 8-11-99

Field Bkg.: 6,000 CPM ~~SHIELDED~~

Radiation Survey Form WP 437, RU021GU236



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N
W E
S

Meter Model#: 2221

Meter Serial#: 127252

Calibration Due: 8/24/99

Survey Date/Time: 3/24/99

Surveyor(s): M. MEDINA

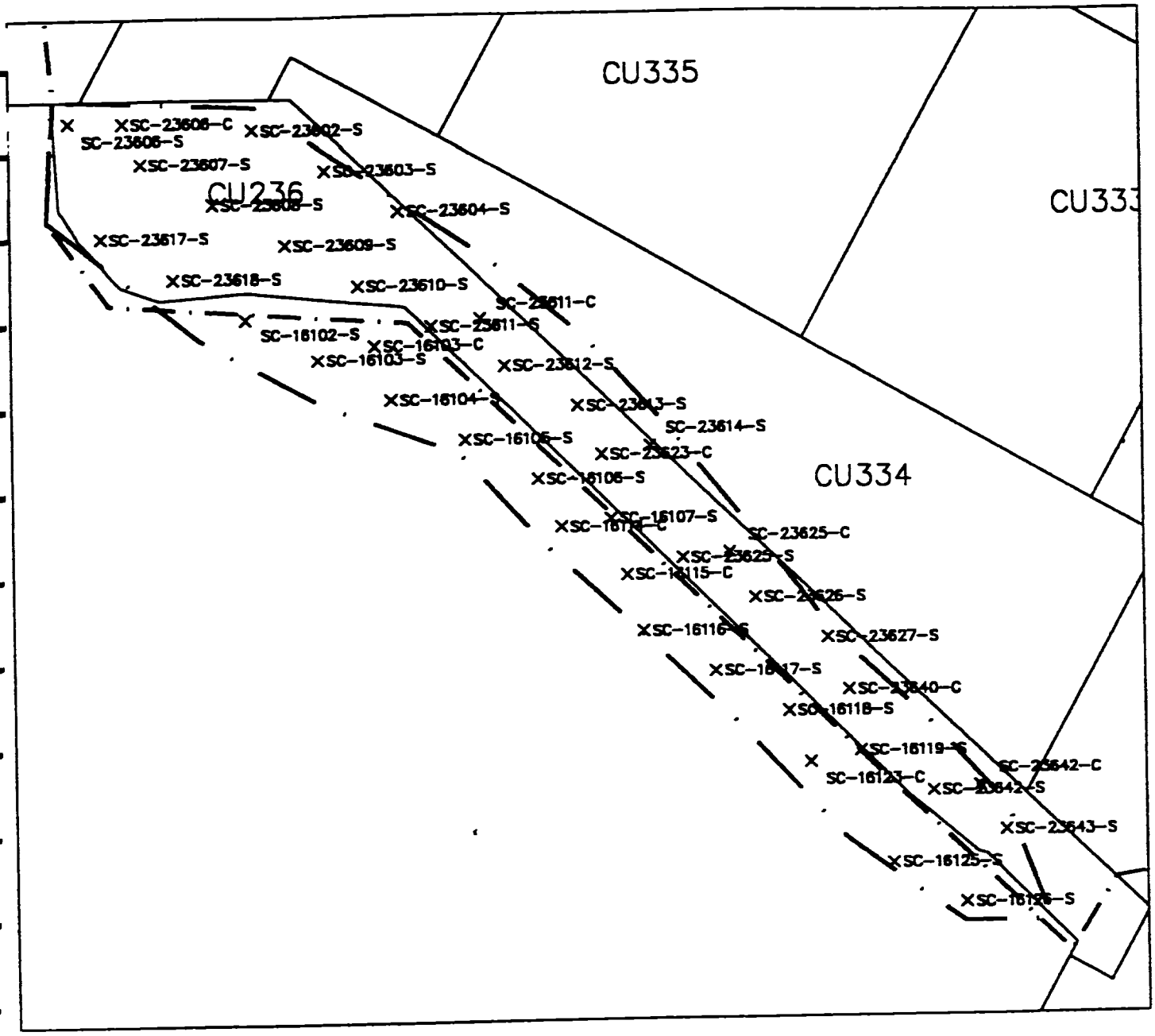
Detector Model#: 2X2

Detector Serial#: 122191

Calibration Due: 8/11/99

Field Bkg.: 9,000 CPM

Comments: AREA SURVEYED 15 x 846. AREA 846. 29,000 CPM



LEGEND

. SAMPLE POINTS NOT PINNED

× 'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 236

DBD CAD

Meter Model #:	2221	Detector Model #:	2×2 NaI "6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/23/99	Field Bkg.:	9,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

N

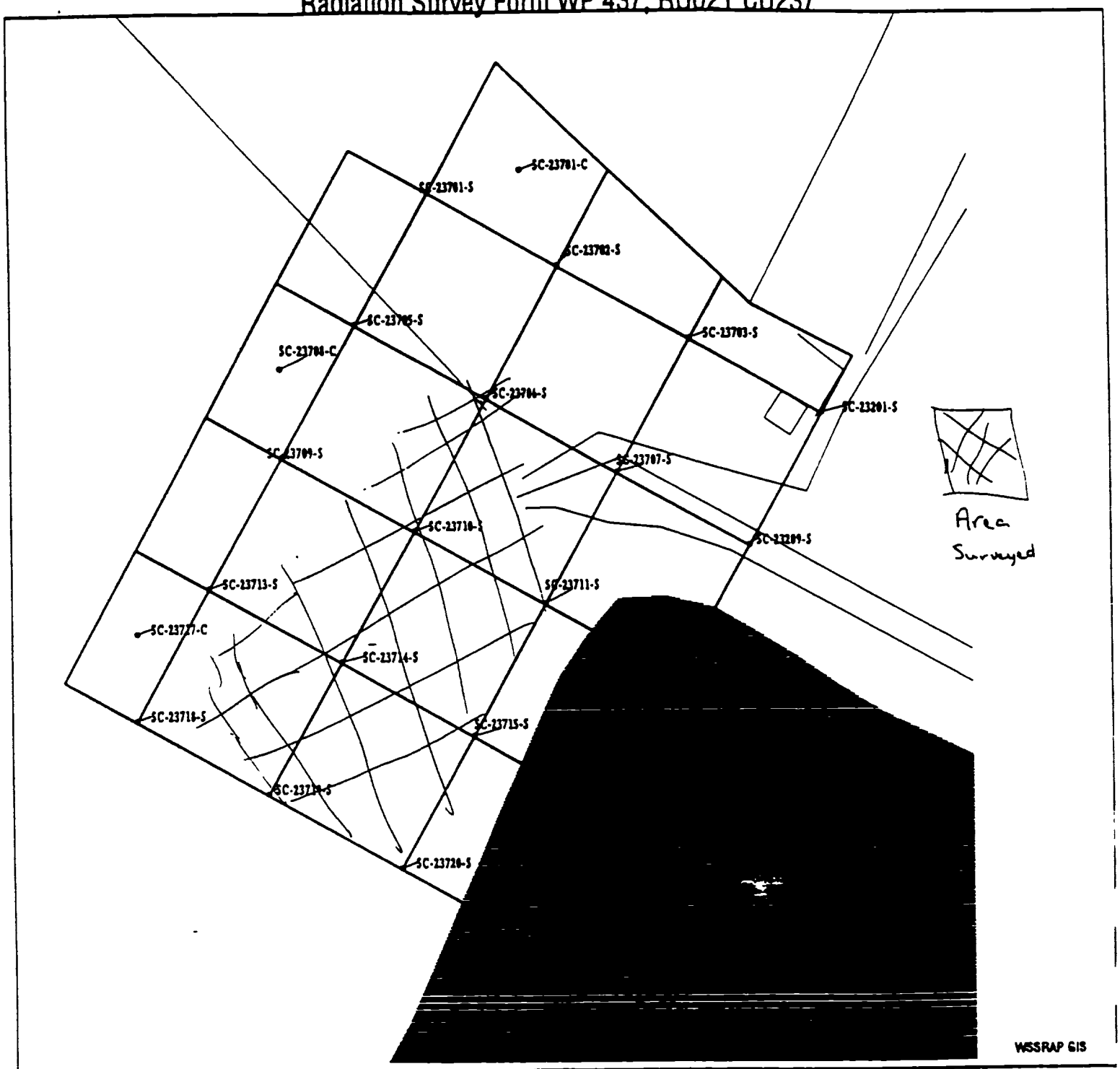
GRAPHIC SCALE

80 0 30 60

(IN FEET)

1 inch = 60 ft.

Radiation Survey Form WP 437, BU021 CU237



15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221 & 2221

Meter Serial#: 106696 & 127252

Calibration Due: 12-1-99 & 8-27-99

Survey Date/Time: 11/28/99 DF

Surveyor(s): C. Hanner & J. Rankins

Detector Model#: NaI 2x2 Detector Tubes

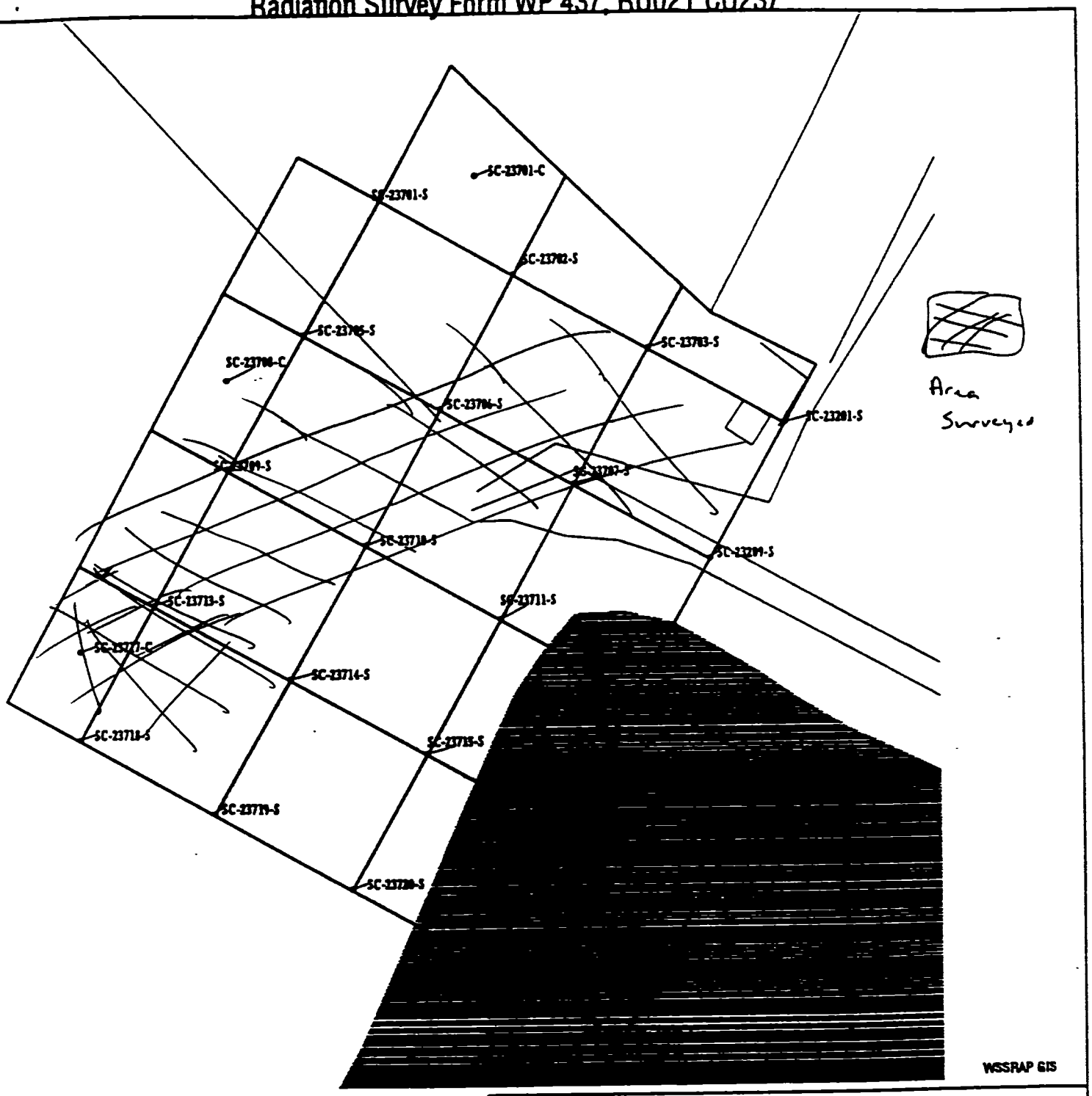
Detector Serial#: 130764 & 122191

Calibration Due: 7-21-99 & 8-11-99

Field Bkg.: 12,000

Comments: Area surveyed and found to be below 1.5 times background

Radiation Survey Form WP 437, RU021 CU237



15 7.5 0 METERS

45 22.5 0 FEET

N W E S

Meter Model#: 2221 / 2221

Meter Serial#: 106696 / 4268

Calibration Due: 12-1-99 / 12-18-99

Survey Date/Time: 3/1/99

Surveyor(s): C. Hanner & M. Medina

Detector Model#: 2x2 NaI M&O

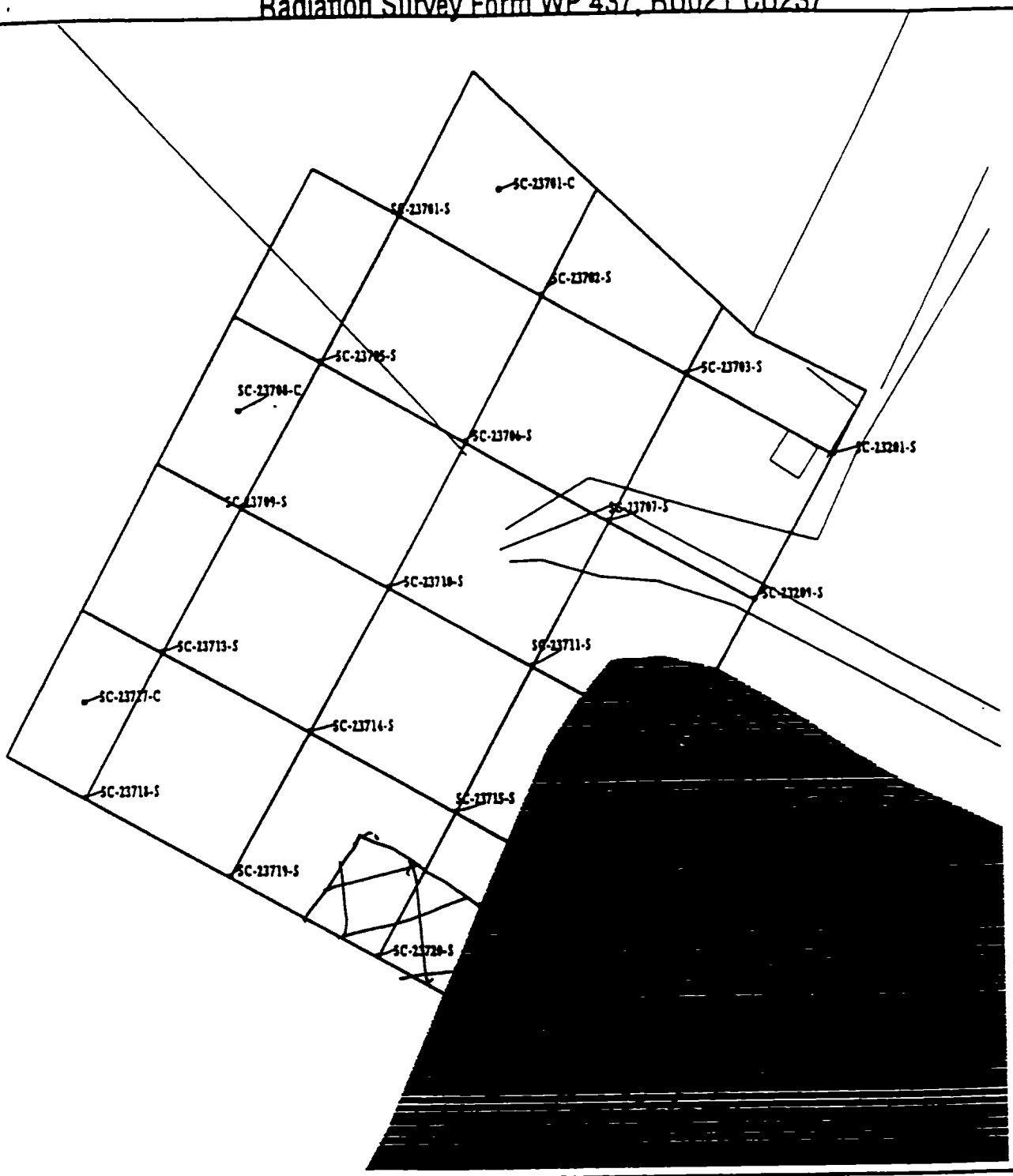
Detector Serial#: 130764 / 5779

Calibration Due: 7-21-99 / 5-6-99

Field Bkg.: 18000 on Top
8500 on Face of Slope

Comments: Area was surveyed and found to be less than 1.5 times background

Radiation Survey Form WP 437, BU021 CU237



WSSRAP GIS

15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: ~~2575~~ TB 106696

Calibration Due: 12-1-99

Survey Date/Time: 5-8-99

Surveyor(s): T. Brown

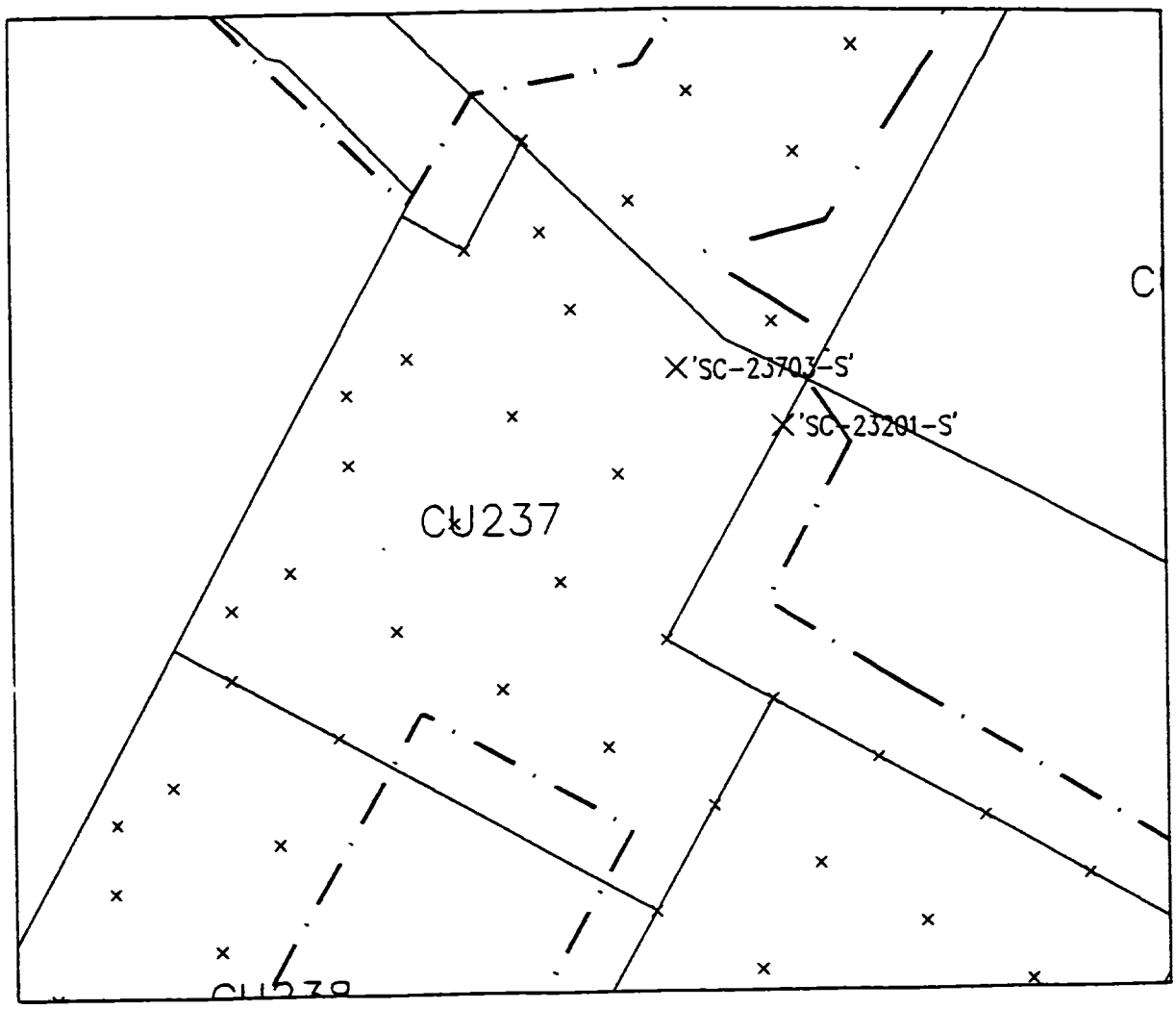
Comments: All readings w/1.5 times BKgr.

Detector Model#: NaI 2x2

Detector Serial#: 130764

Calibration Due: 7-21-99

Field Bkg.: 5,000 cpm



LEGEND

▫ 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 237

DBO CAD

Meter Model #: 2221
Meter Serial #: 127247
Calibration Date: 9-25.99
Survey Date Time: 6/10/99
Surveyor(s): T. Brown
Comments: All readings <1.5 Bkg

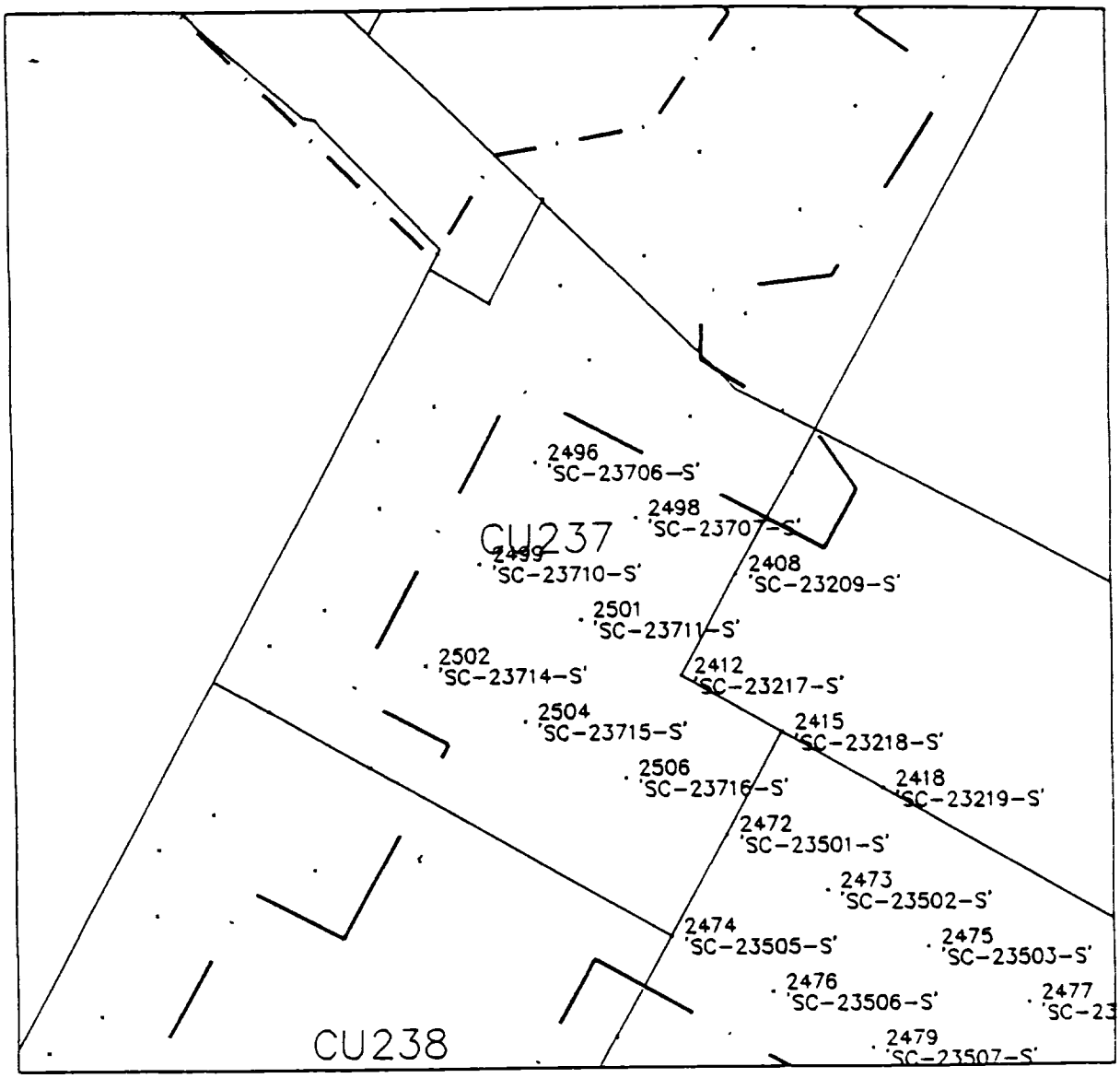
Detector Model #: 2x2 6
Detector Serial #: 4241
Calibration Date: 1-24-00
Field Bkg.: 10,000 CPM

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

.	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 237

7-31-99 DBO CAD

Meter Model #	2221	Detector Model #:	UAT "2x2"
Meter Serial #	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-27-99	Field Bkg.	12,000 cpm
Surveyor(s):	J. Rankin		

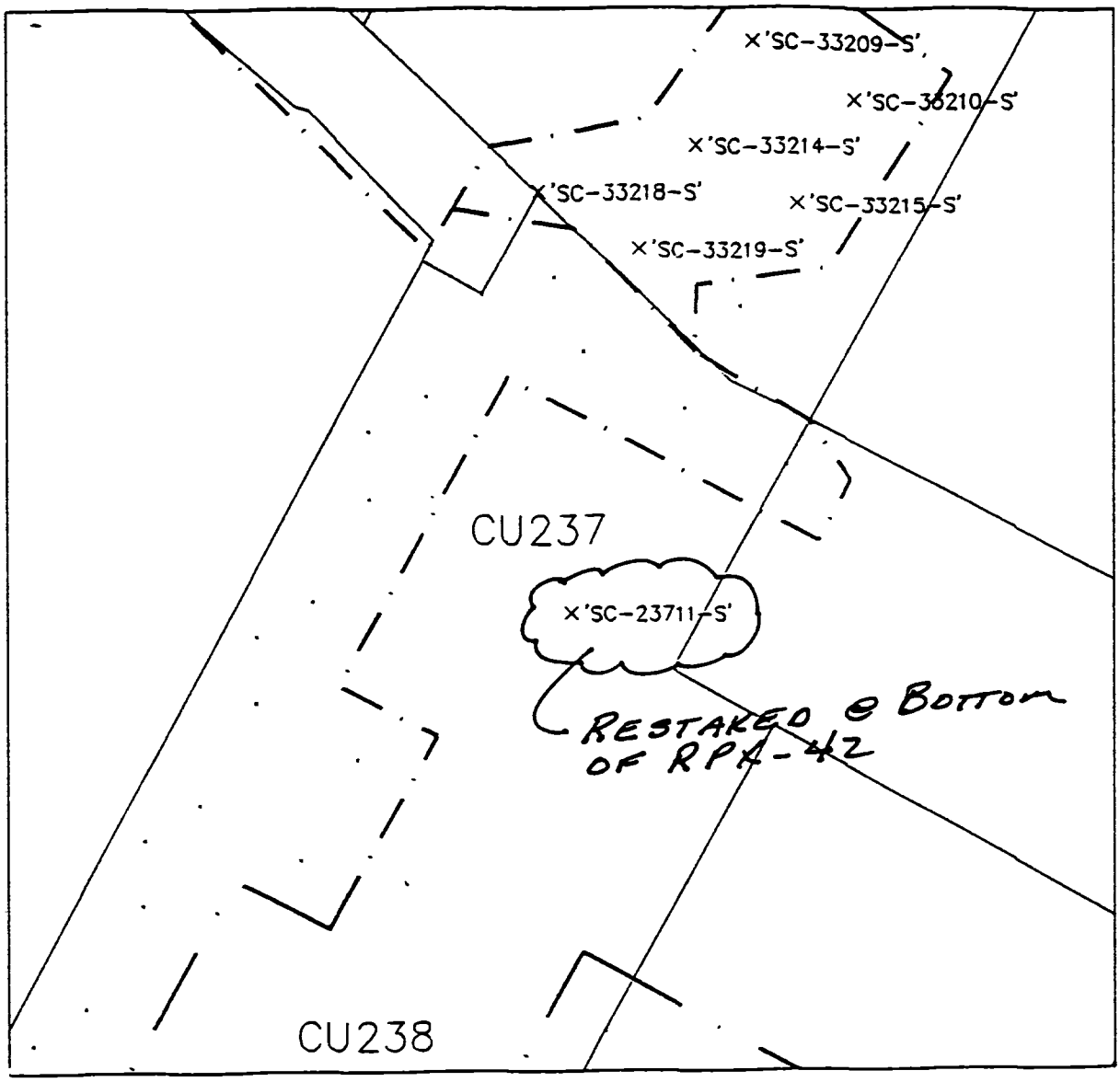
Comments: All areas surveyed < 1.5 Bq
Also CU's # 23207 and 23210 are included.

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 237

8/13/99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date Time:	8/12/99	Field Bkg.:	10,000
Surveyor(s):	J. Rankins		

Comments: Area was surveyed and found to be less than 1.5 times background

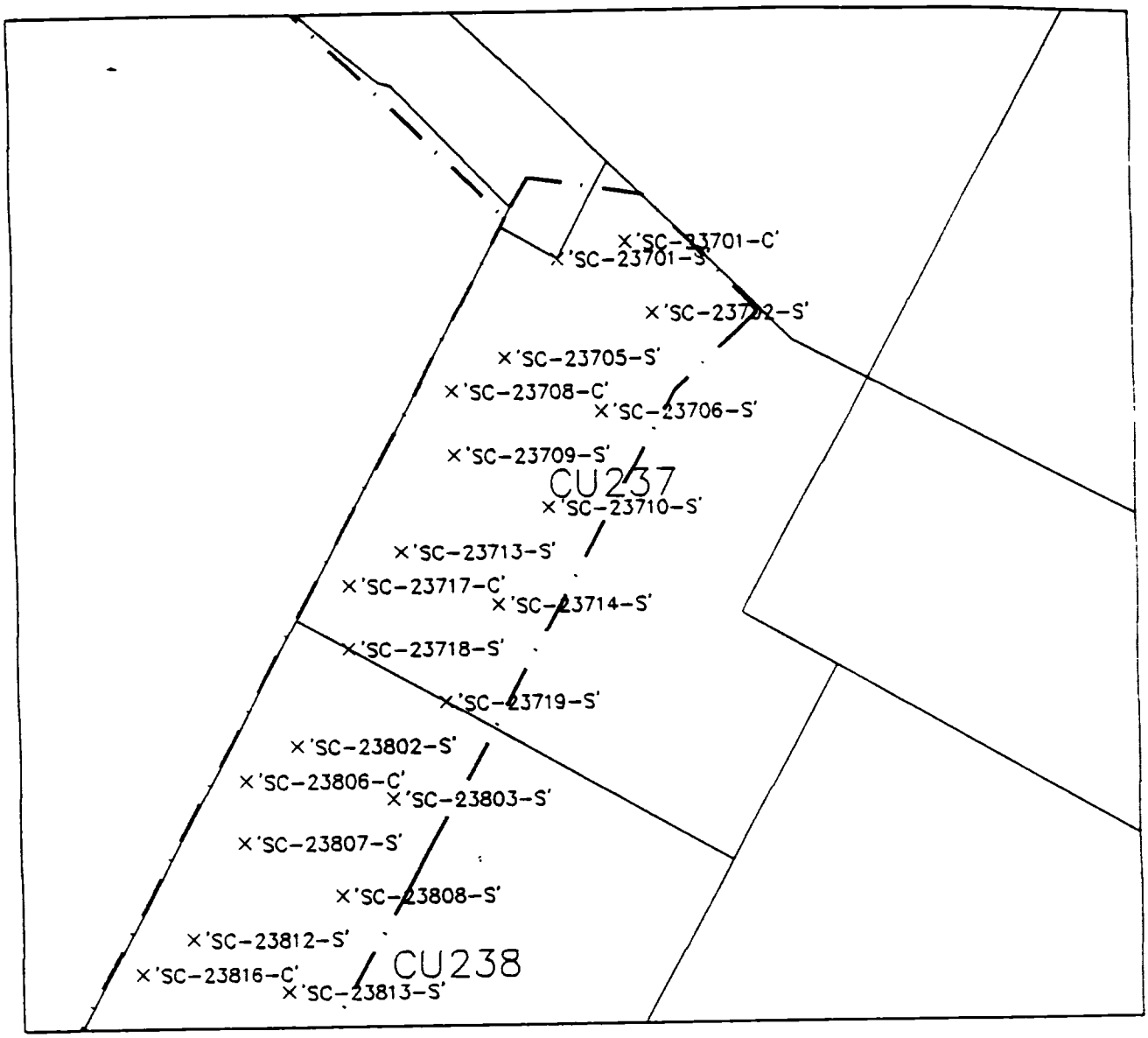
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 237

8/24/99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Due:	9/25/99	Calibration Due:	1/24/00
Survey Date / Time:	8/23/99	Field Bkg.	12,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

N

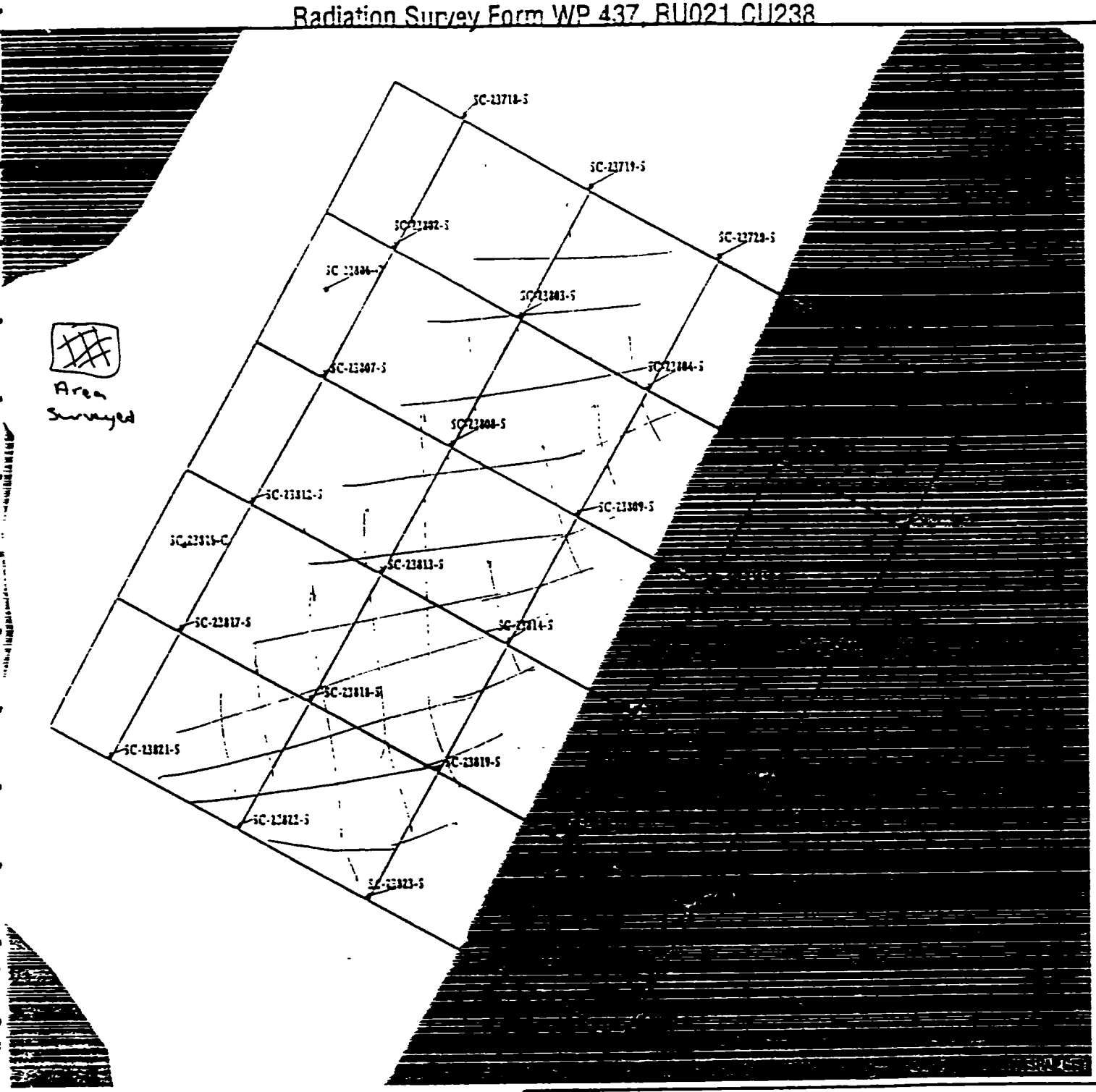
GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.

Radiation Survey Form WP 437, BU021 CU238



7.5 0 METERS

22.5 0 FEET

Meter Model#: 2221 & 2221

Meter Serial#: 106696 & 127252

Calibration Due: 12-1-99 & 8-27-99

Survey Date/Time: 1/28/99

Detector Model#: NaI 2x2 Detector

Detector Serial#: 130764 & 122191

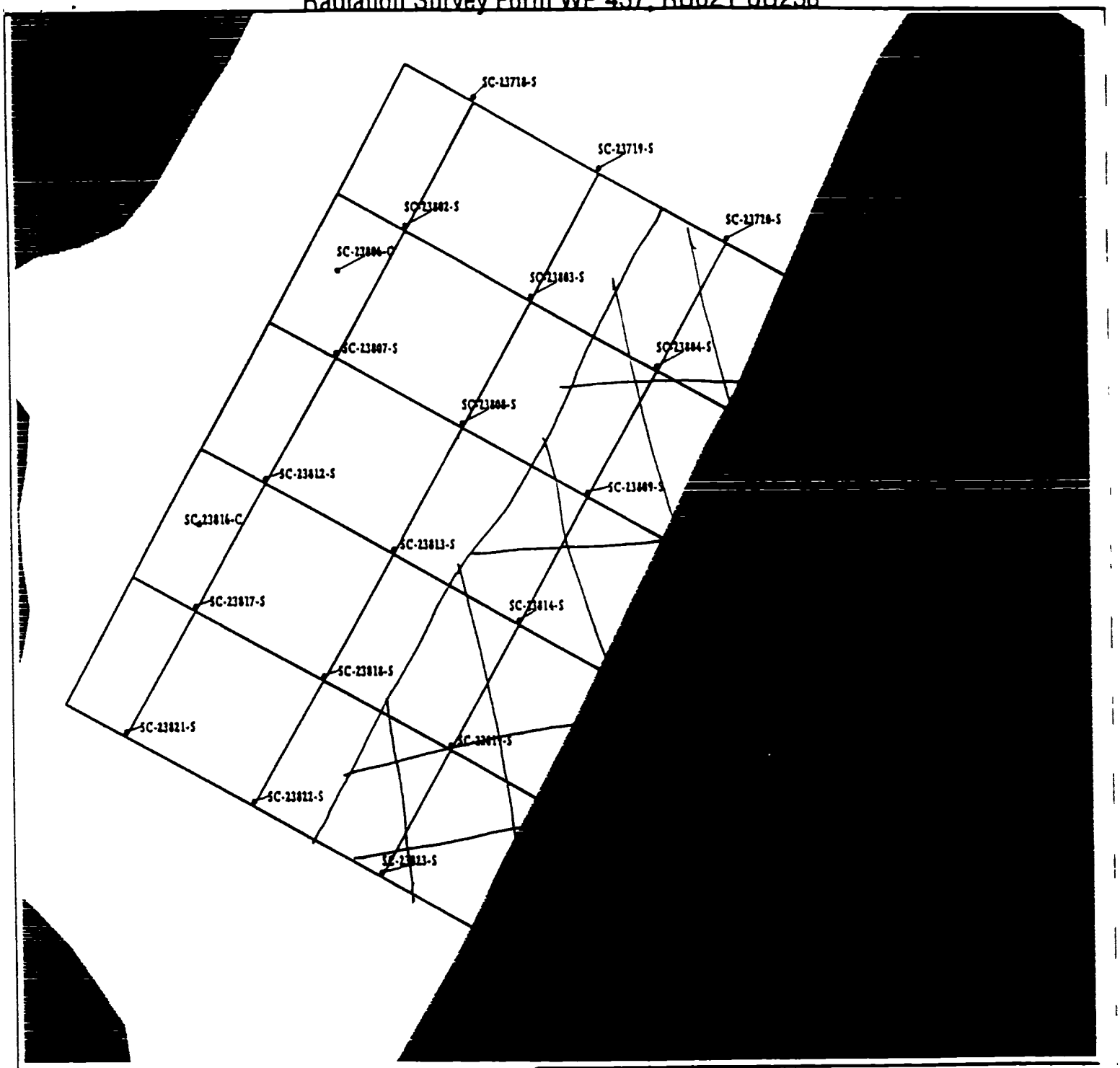
Calibration Due: 7-21-99 & 8-11-99

Field Bkg. 12,000

Surveyor(s): C. Hanner & J. Rankins

Comments: Area surveyed and found to be below 1.5 times background

Radiation Survey Form WP 437, RU021 CU238



15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: 106696

Calibration Due: 12-1-99

Survey Date/Time: 5-8-99

Surveyor(s): J. Brower

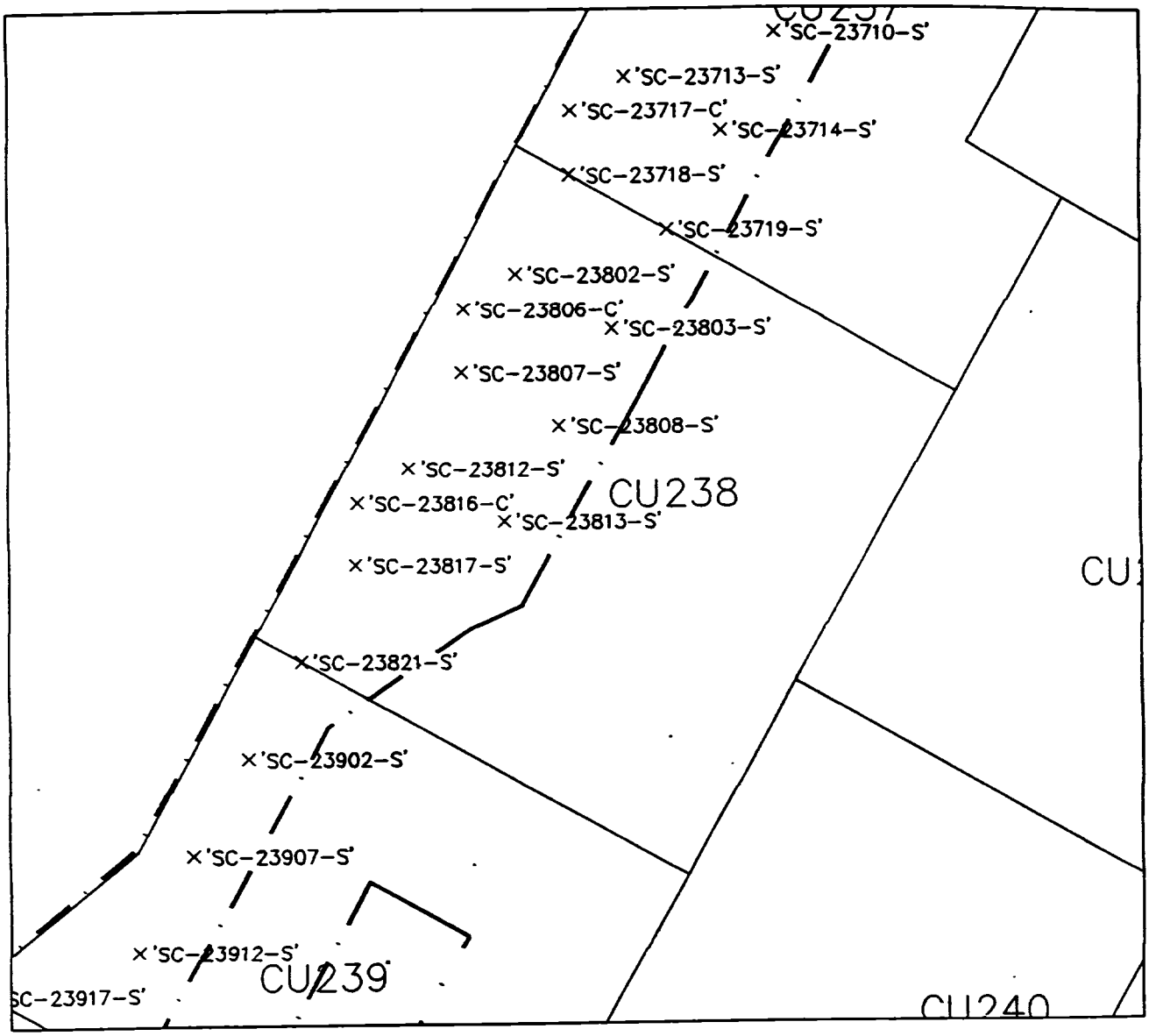
Comments: All readings <1.5 times Bkgs.

Detector Model#: NaI 2x2

Detector Serial#: 130764

Calibration Due: 7-21-99

Field Bkg.: 5,000 CPM



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 238

8/24/99

DHO CAD

Meter Model #:	2221	Detector Model #:	2+2 NaI 6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	8/25/99	Field Bkg.:	12,000 cpm
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background

N

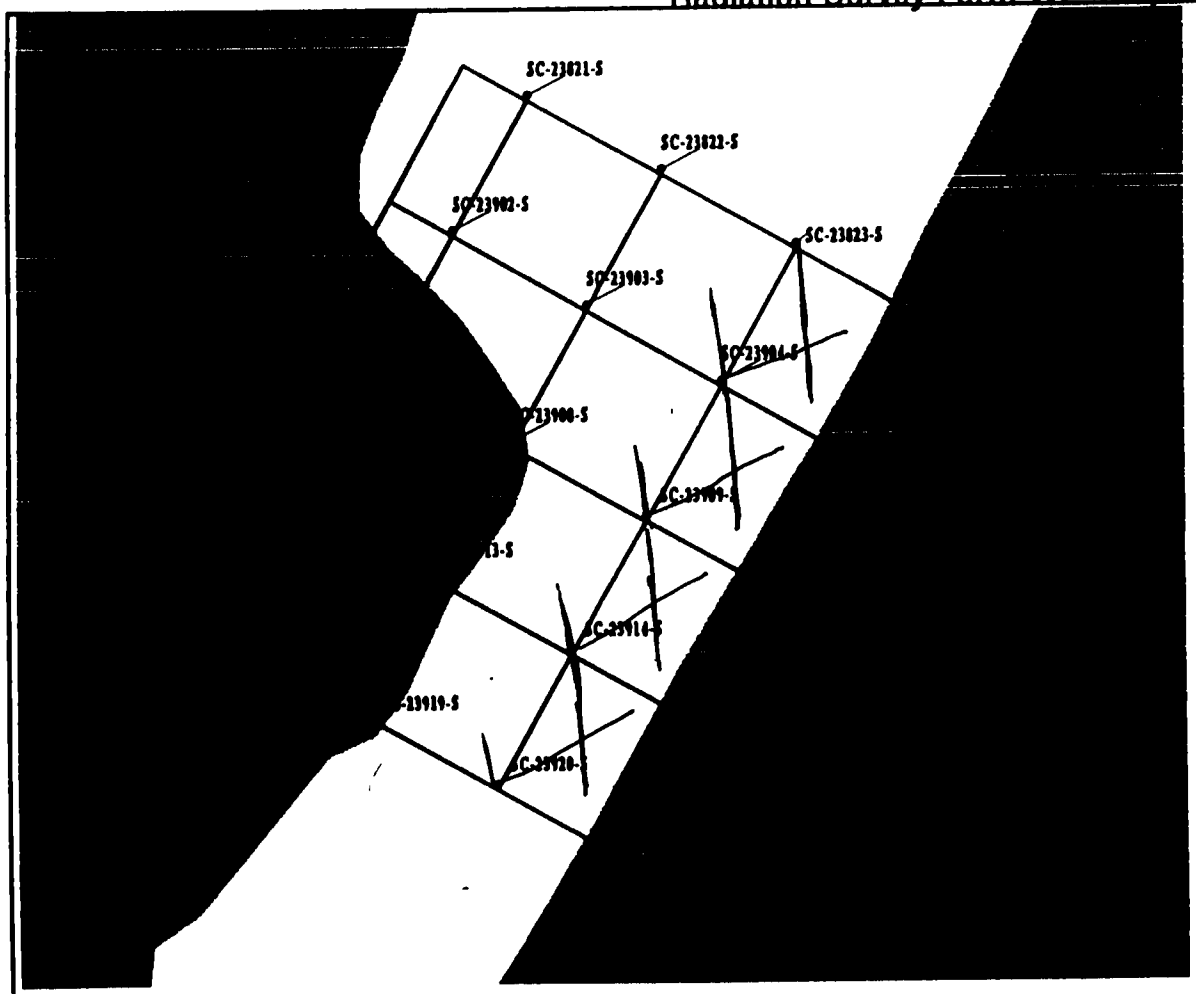
GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.

Radiation Survey Form WP 437, RU021CU239



15 7.5 0 15 METERS

45 22.5 0 45 FEET

N E S

WSSRAP GIS

Meter Model#: 2221 / 2221 Detector Model#: NaI 2x2 / NaI 2x2

Meter Serial#: 116696 / 117607 Detector Serial#: 130764 / 1602582

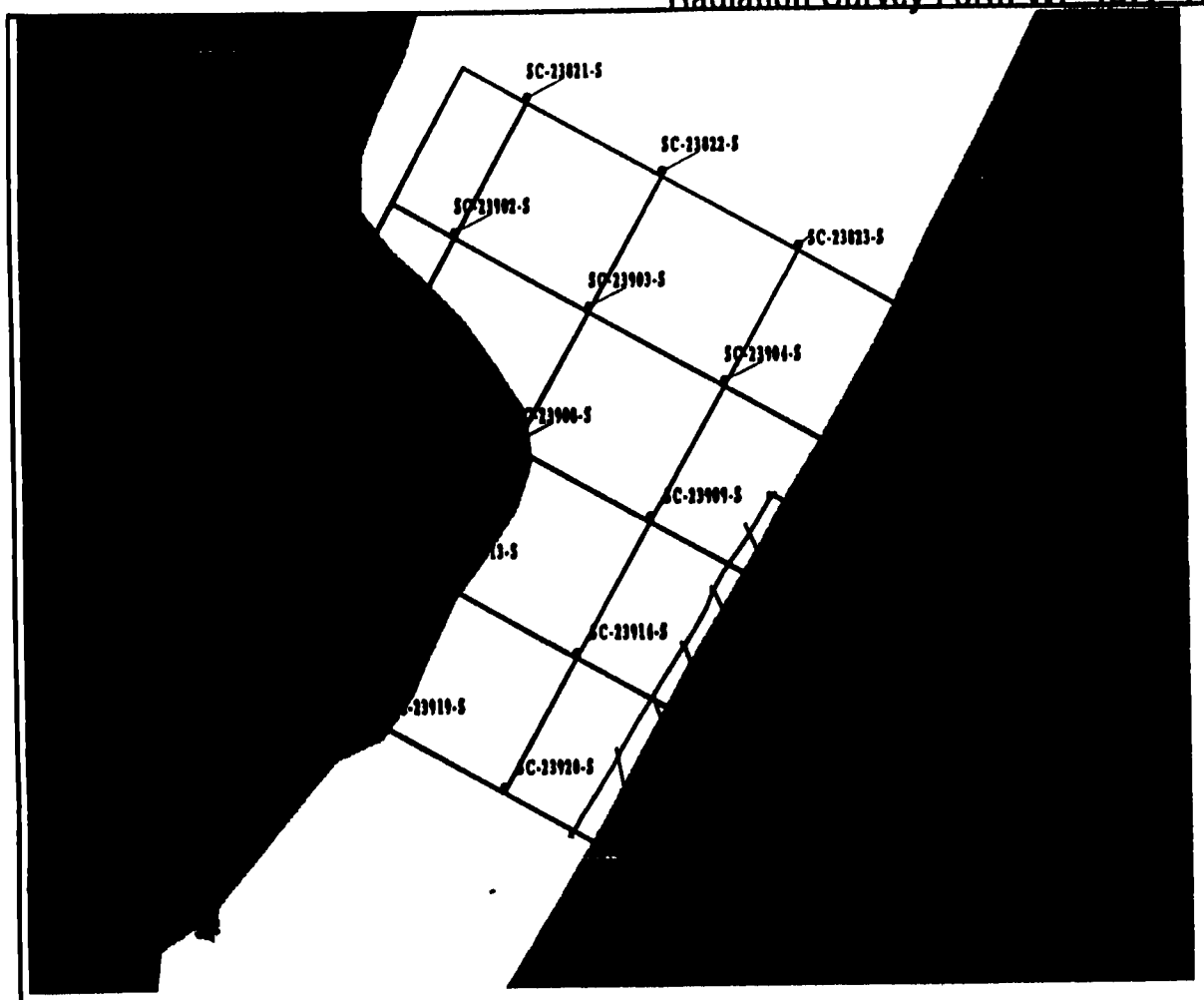
Calibration Due: 12-1-99 / 12-18-99 Calibration Due: 7-21-99 / 5-6-99

Survey Date/Time: 01/29/99 Field Bkg.: 12K / 23K

Surveyor(s): Jonathan Rankins & Chris Hamner

Comments: Area was surveyed and found to be below 1.5 times background

Radiation Survey Form WP 437 RU021CU239



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N E S

Meter Model#: 2221 Detector Model#: NaI 2x2

Meter Serial#: 127252 Detector Serial#: 122191

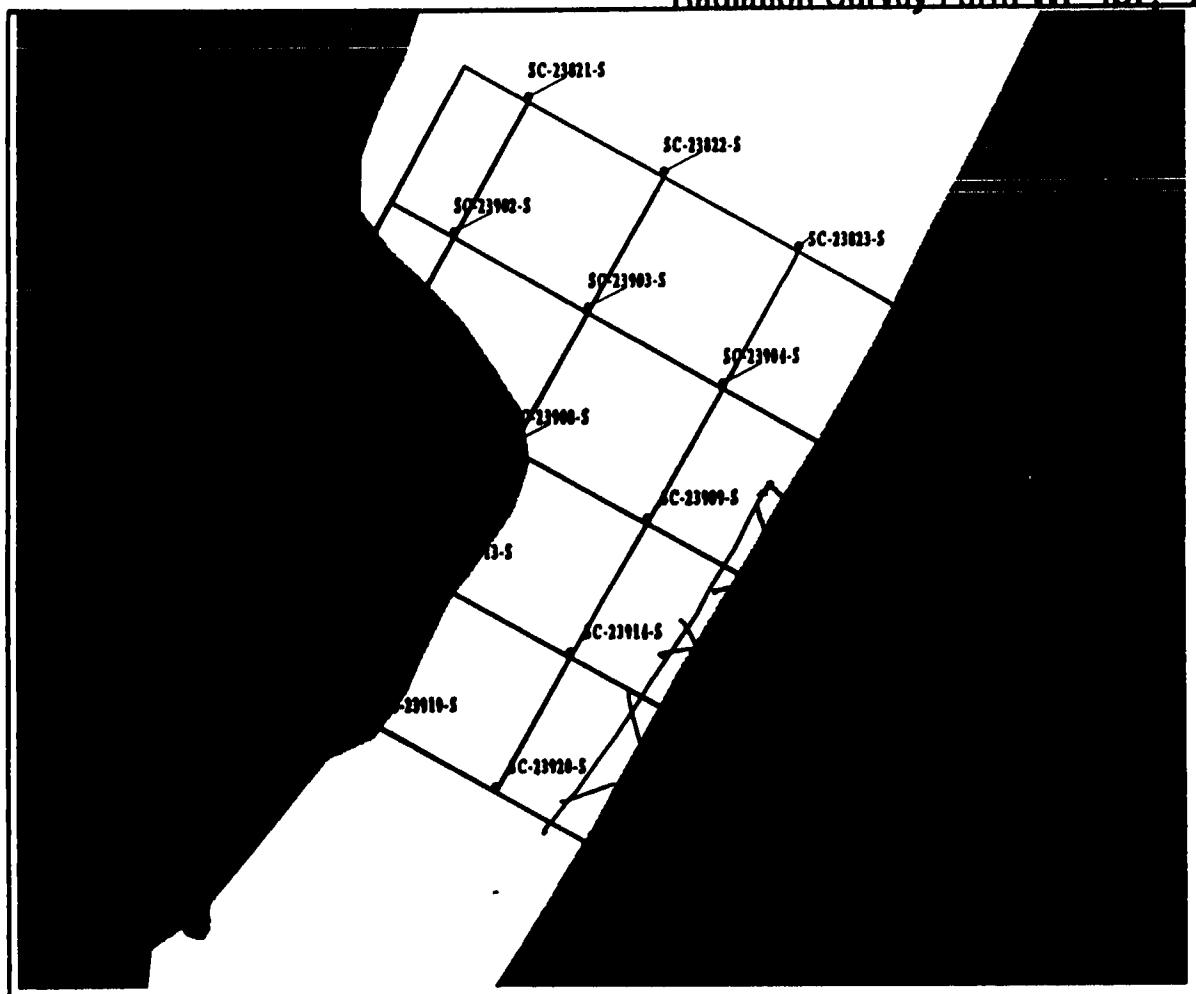
Calibration Due: 8-27-99 Calibration Due: 8-11-99

Survey Date/Time: 4/27/99 Field Bkg.: 5,000 CPM

Surveyor(s): T. Brewer

Comments: All readings < 1.5 times Bkg.

Radiation Survey Form WP 437, RU021CU239



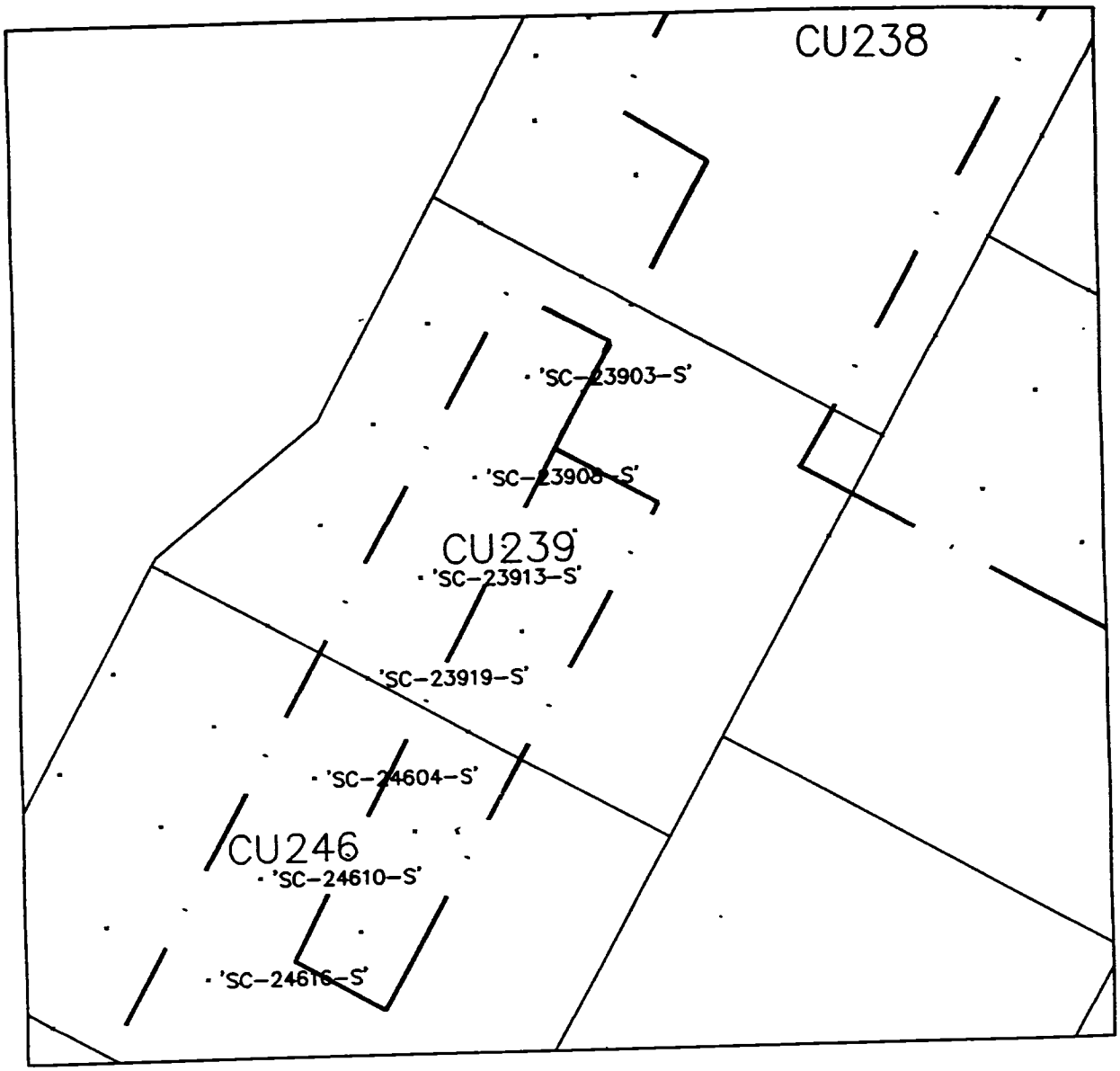
WSSRAP GIS

Meter Model#:	2221	Detector Model#:	NaI 2x2
Meter Serial#:	106696	Detector Serial#:	130764
Calibration Due:	12-1-99	Calibration Due:	7-21-99
Survey Date/Time:	5-8-99	Field Bkg.:	5,000 CPM
Surveyor(s):	T. Brown		
Comments:	All readings <1.5 Times Bkgr.		

16 7.5 0 16 METERS

45 22.5 0 45 FEET

N E S



LEGEND

SAMPLE POINTS NOT PINNED

x'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 239

8-3-99

DBO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-23-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankin		
Comments:	All areas surveyed < 1.5 BKG.		

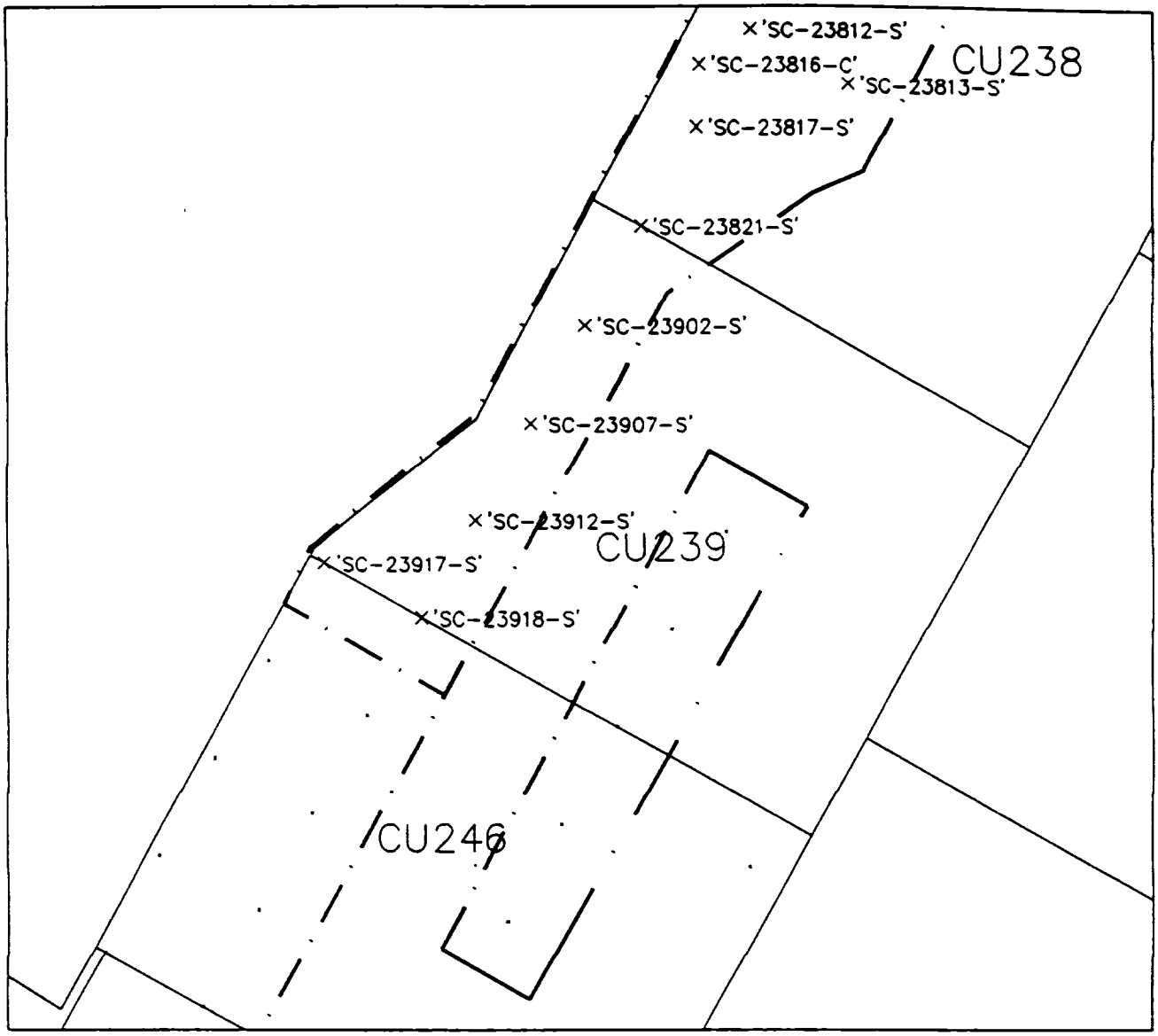
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

·	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 239

8/24/99

DHO CAD

Meter Model #	2221	Detector Model #:	2x2 NaI "6"
Meter Serial #	127247	Detector Serial #	122192
Calibration Due:	9/25/99	Calibration Due:	1/24/00
Survey Date / Time.	8/25/99	Field Bkg.	12,000 cpm
Surveyor(s).	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

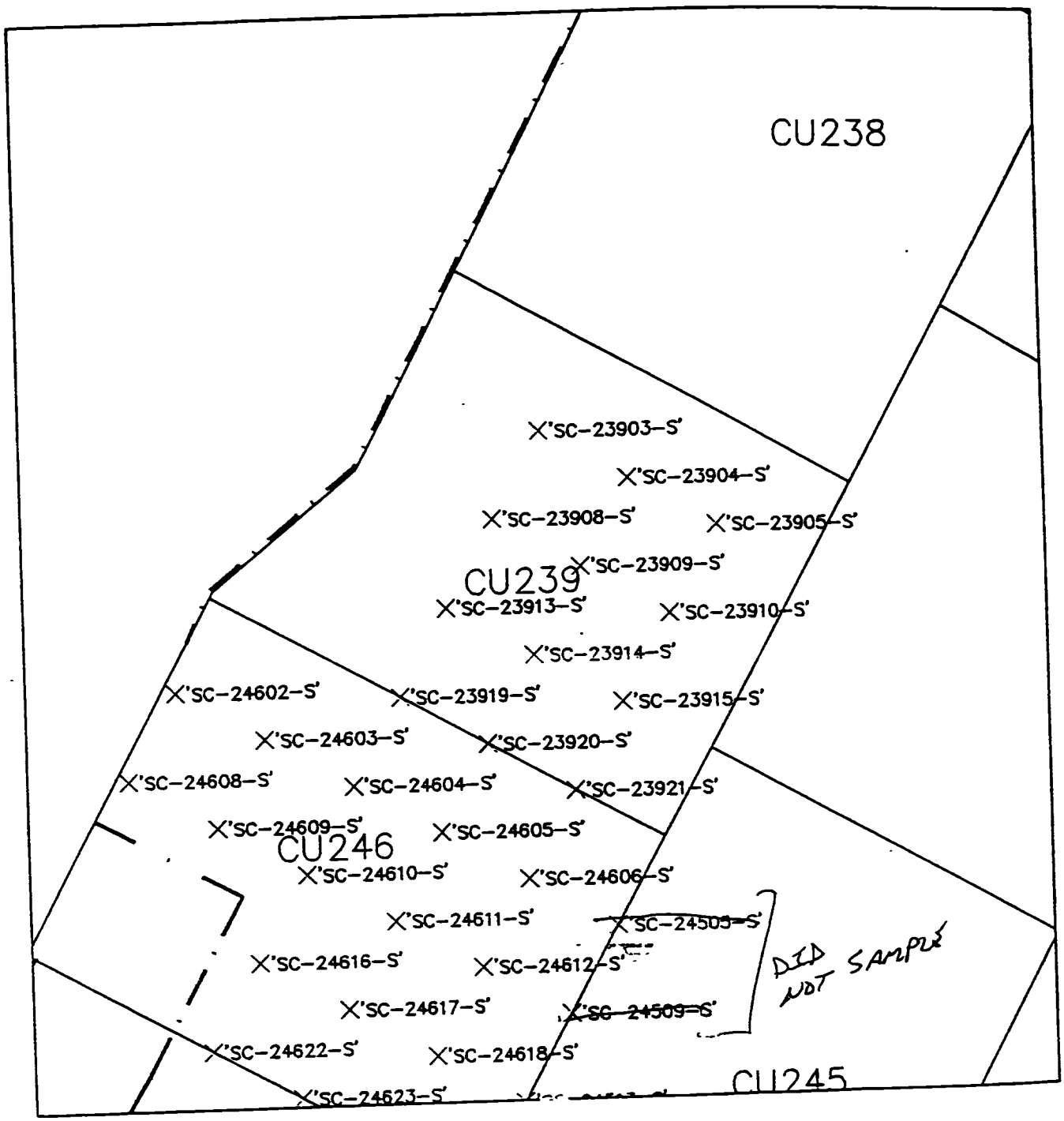
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

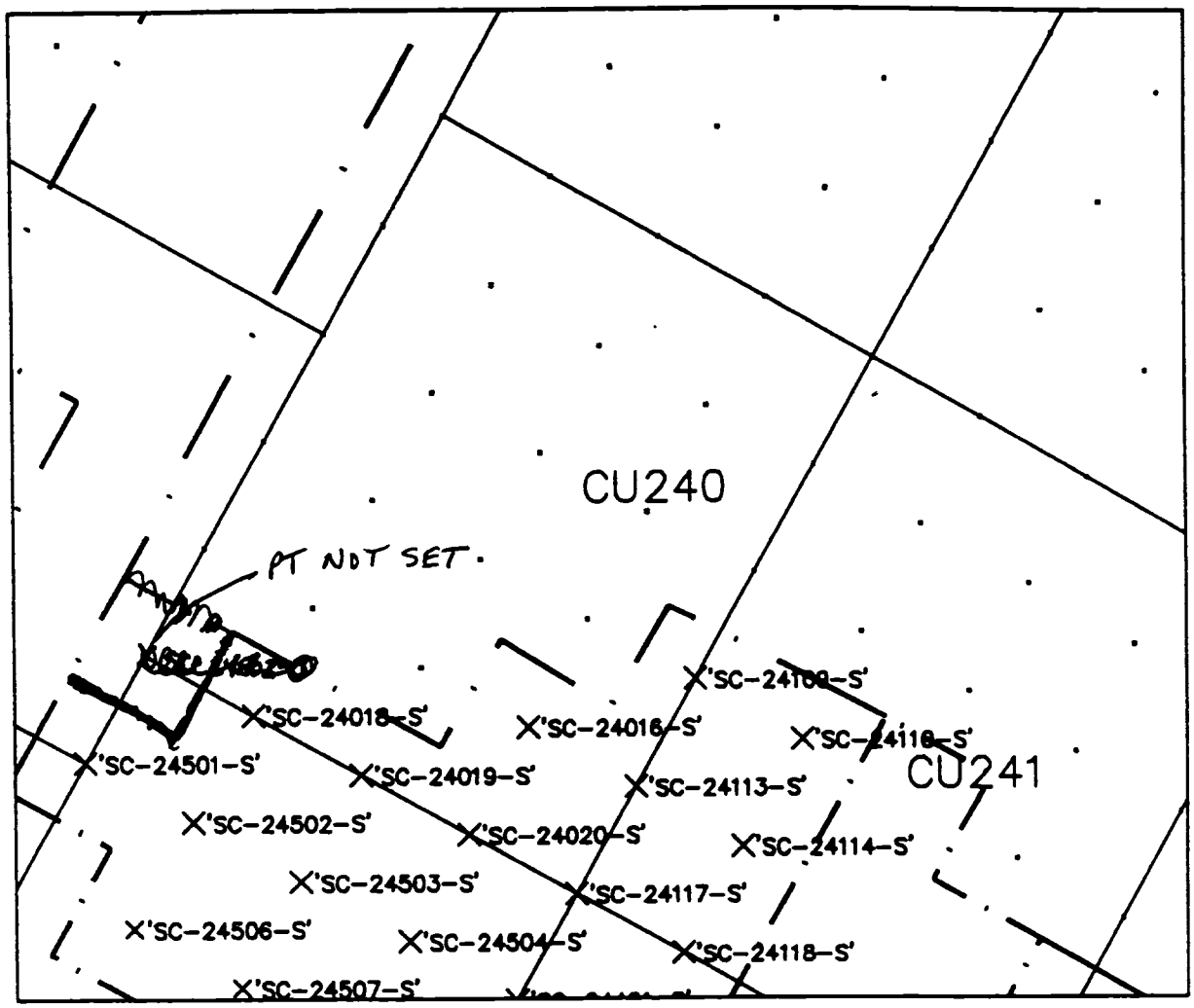
GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 239
9/26/99 DEO CAD

Meter Model #:	44-16-2	Detector Model #:	2221
Meter Serial #:	130774 N	Detector Serial #:	106696
Calibration Due:	1-24-00	Calibration Due:	12-1-99
Survey Date / Time:	9-25-99 / 1600	Field Bkg.:	12,600 cpm
Surveyor(s):	DFEMING		
Comments:	ALL AREAS SURVEYED WERE < 1.5 x BKG		



LEGEND

· 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 240

DBO CAD

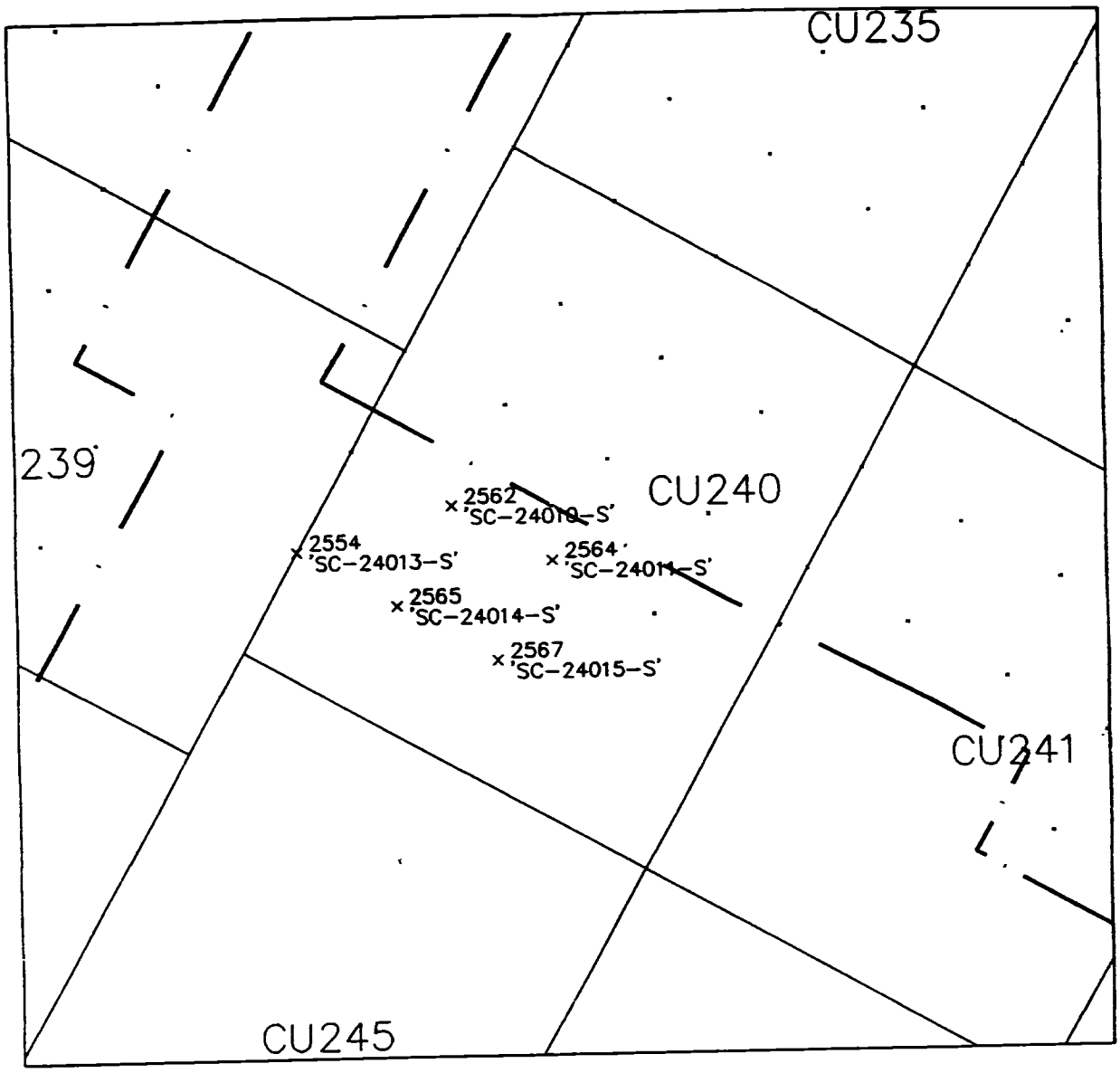
Meter Model #:	2221	Detector Model #:	2x2 "6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Due:	9/25/99	Calibration Due:	1/24/00
Survey Date / Time:	6/24/99	Field Bkg.:	10,000 cpm
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 Bkg.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

× 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 240

Meter Model #:	2221	Detector Model #:	~~2x2~~ "6" TPC DHO CAD
Meter Serial #:	127247	Detector Serial #:	4241
Calibration Due:	1/25/99	Calibration Due:	1/24/00
Survey Date / Time:	7/14/99	Field Bkg.:	8,000 CPM
Surveyor(s):	T. Browne		
Comments:	All readings ≤1.5 BKg		

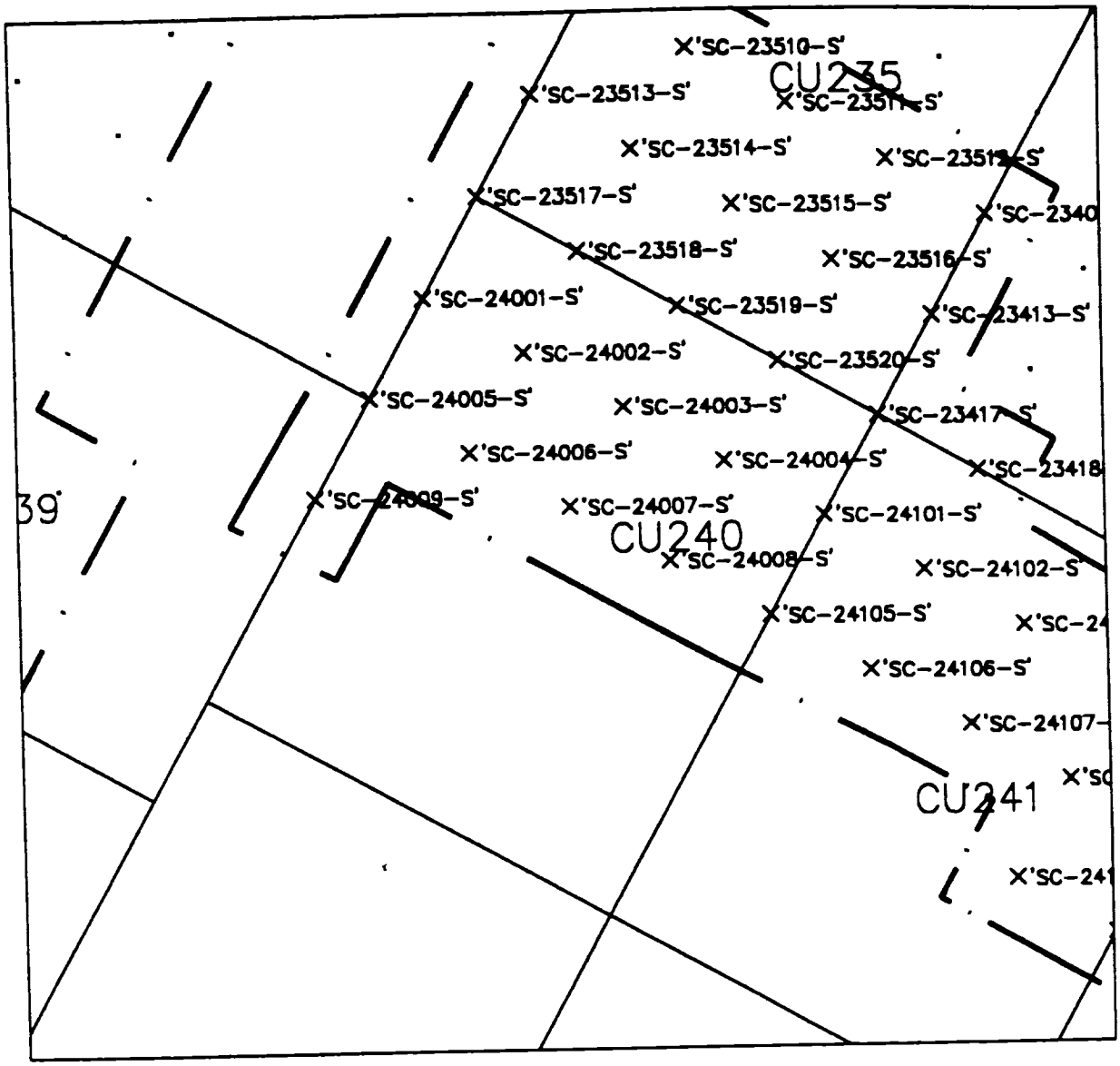
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 **CU** 240

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/22/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

Sample Point 240-12-S Also included, though not indicated

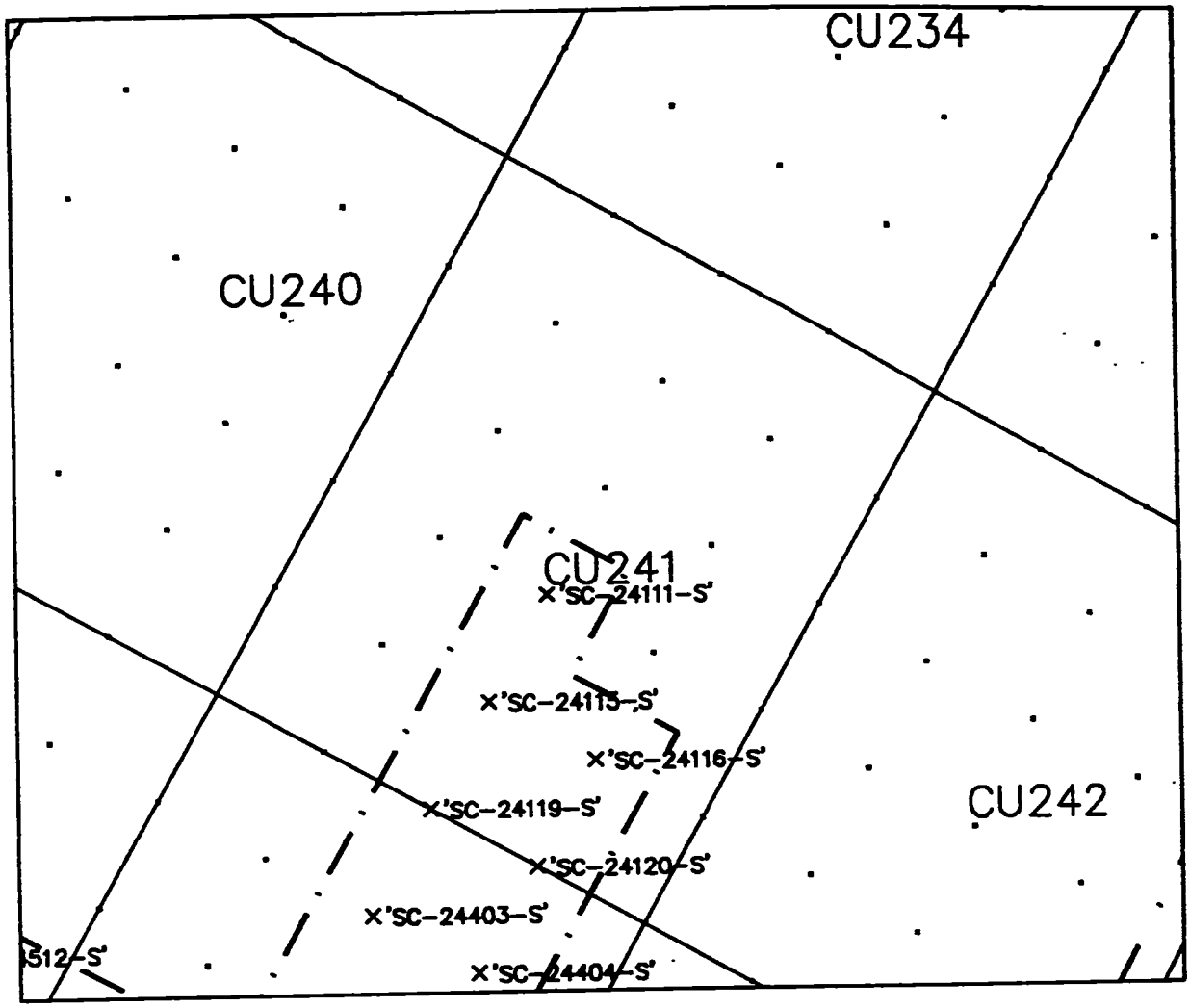
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

- 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 241

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "F"
Meter Serial #:	127252	Detector Serial #:	122191
Calibration Due:	8/27/99	Calibration Due:	8/11/99
Survey Date / Time:	6/23/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanor		

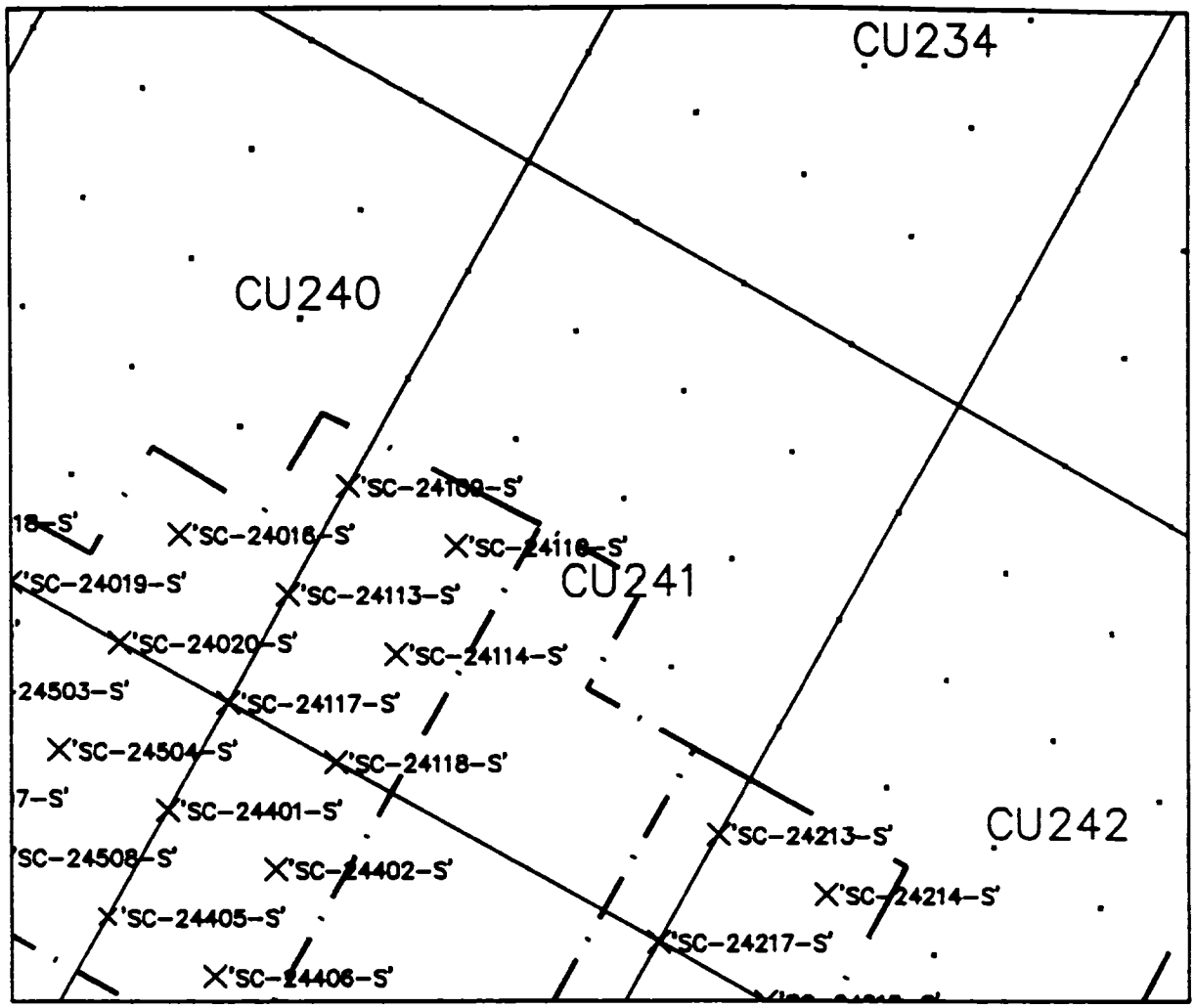
Comments: Area was surveyed and found to be less than 1.5 times background

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

· 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 241

DBO CAD

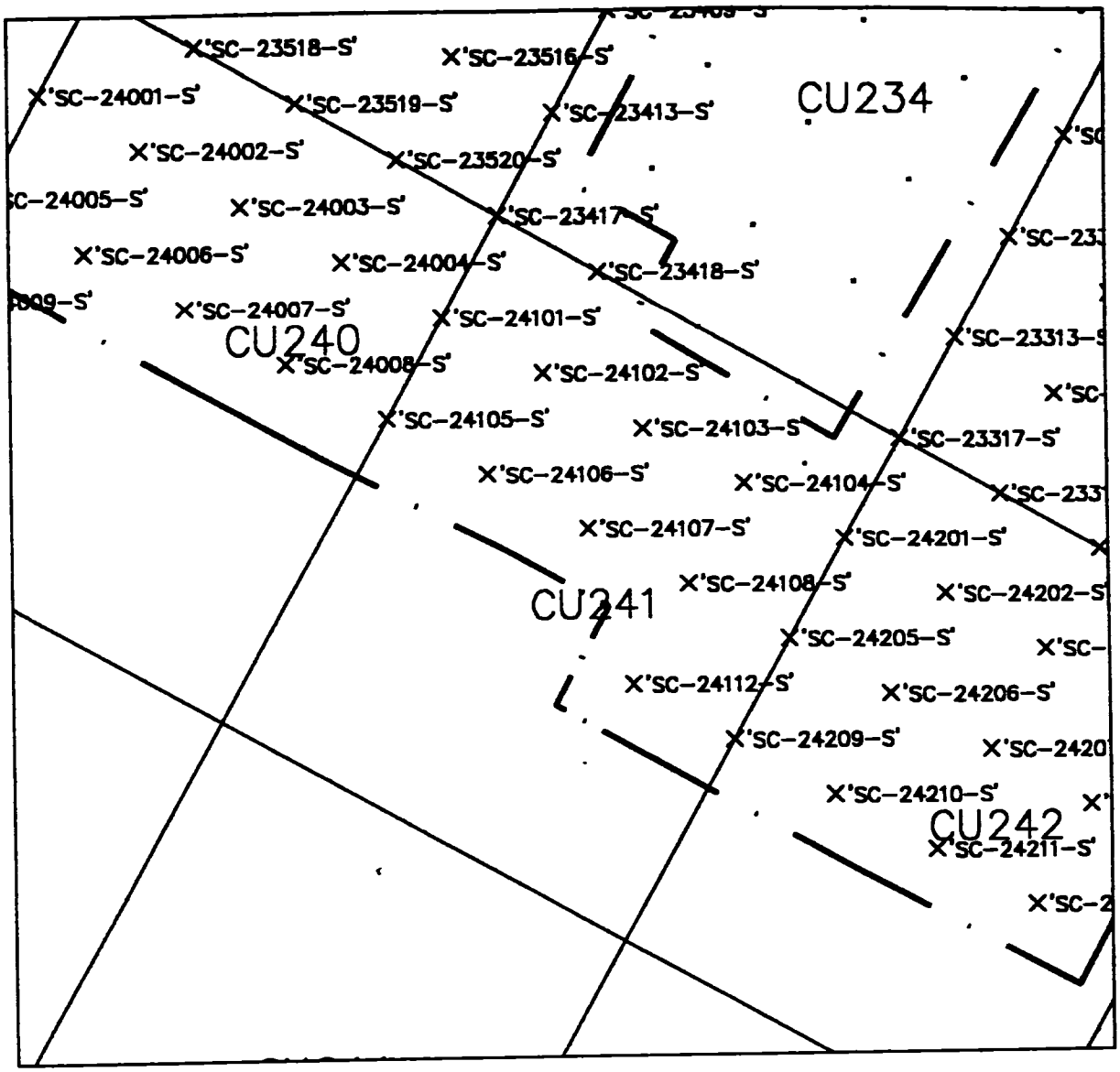
Meter Model #:	2221	Detector Model #:	2x2 "6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	6/24/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 BKg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 241

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	11/24/00
Survey Date / Time:	7/22/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

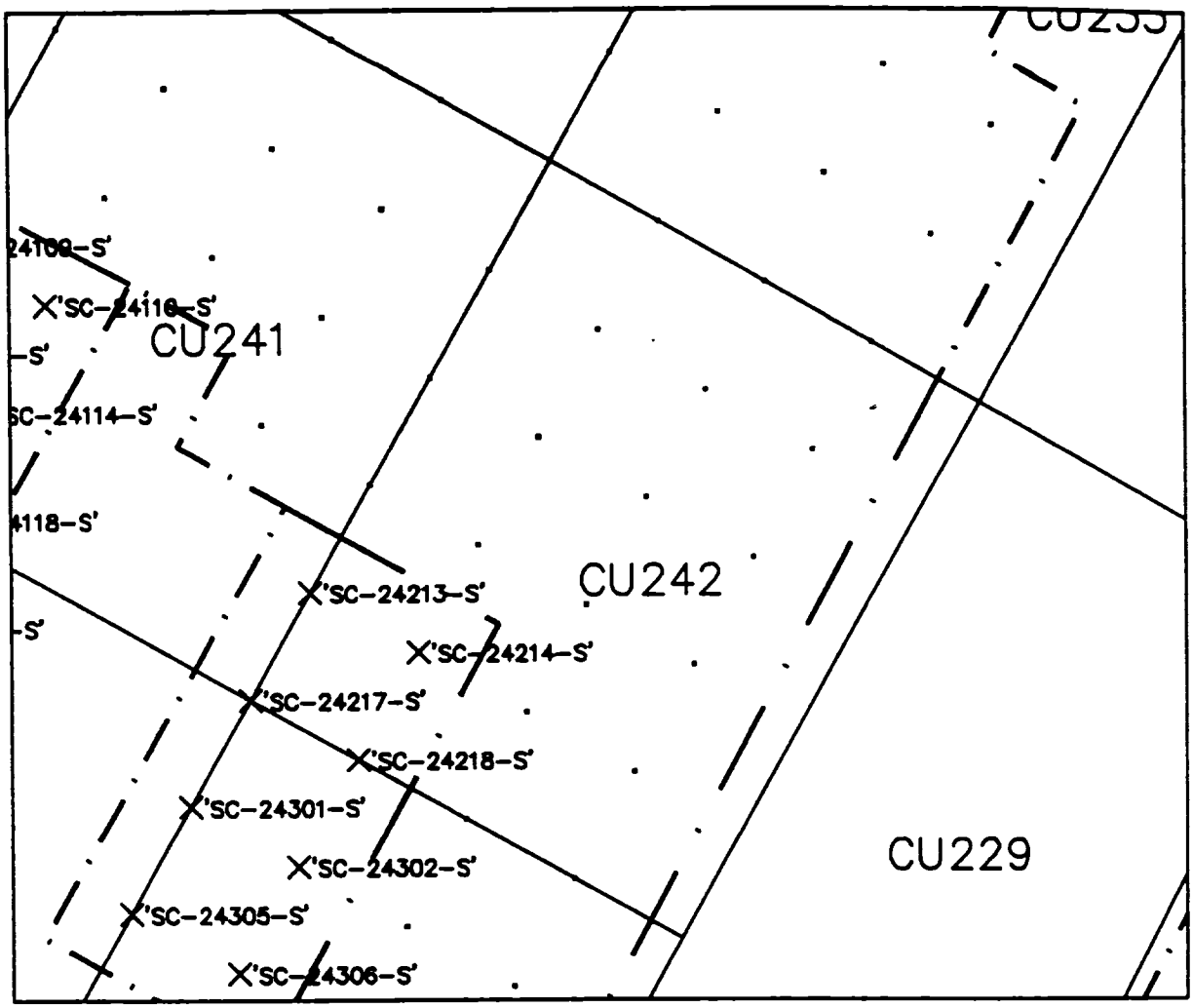
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

- · 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 242

DBO CAD

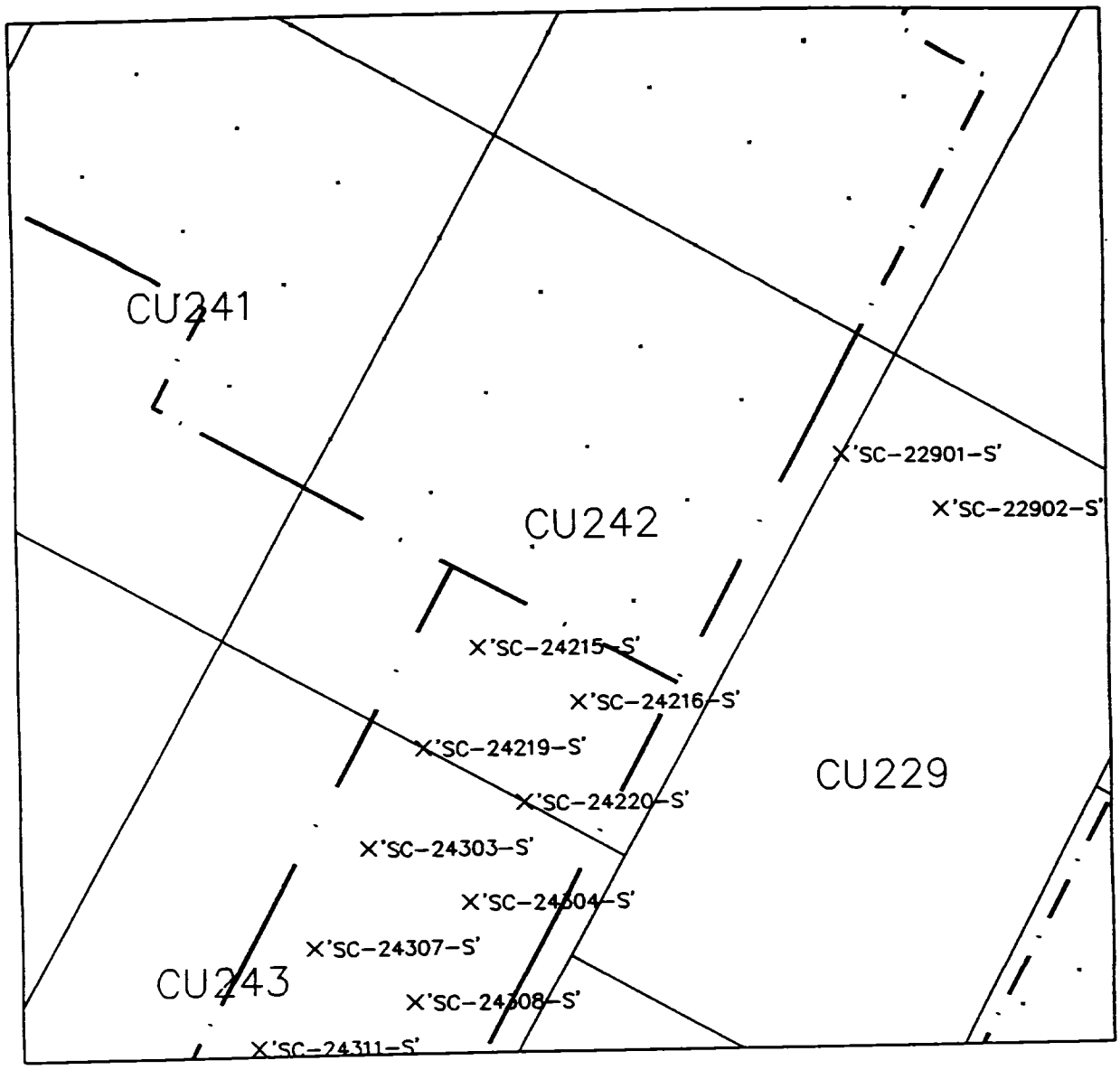
Meter Model #:	2221	Detector Model #:	2x2 "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/29/00
Survey Date / Time:	6/24/99	Field Bkg.:	10,000 cpm
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 BKg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 242

DBO CAD

Meter Model # :	2221	Detector Model #:	2x2 "G"
Meter Serial # :	127247	Detector Serial #:	4241
Calibration Due:	9/25/99	Calibration Due:	1/24/00
Survey Date / Time:	7/15/99	Field Bkg.:	Texas 8000Ch.
Surveyor(s):	T Brewer		
Comments:	All readings <1.5 BKg		

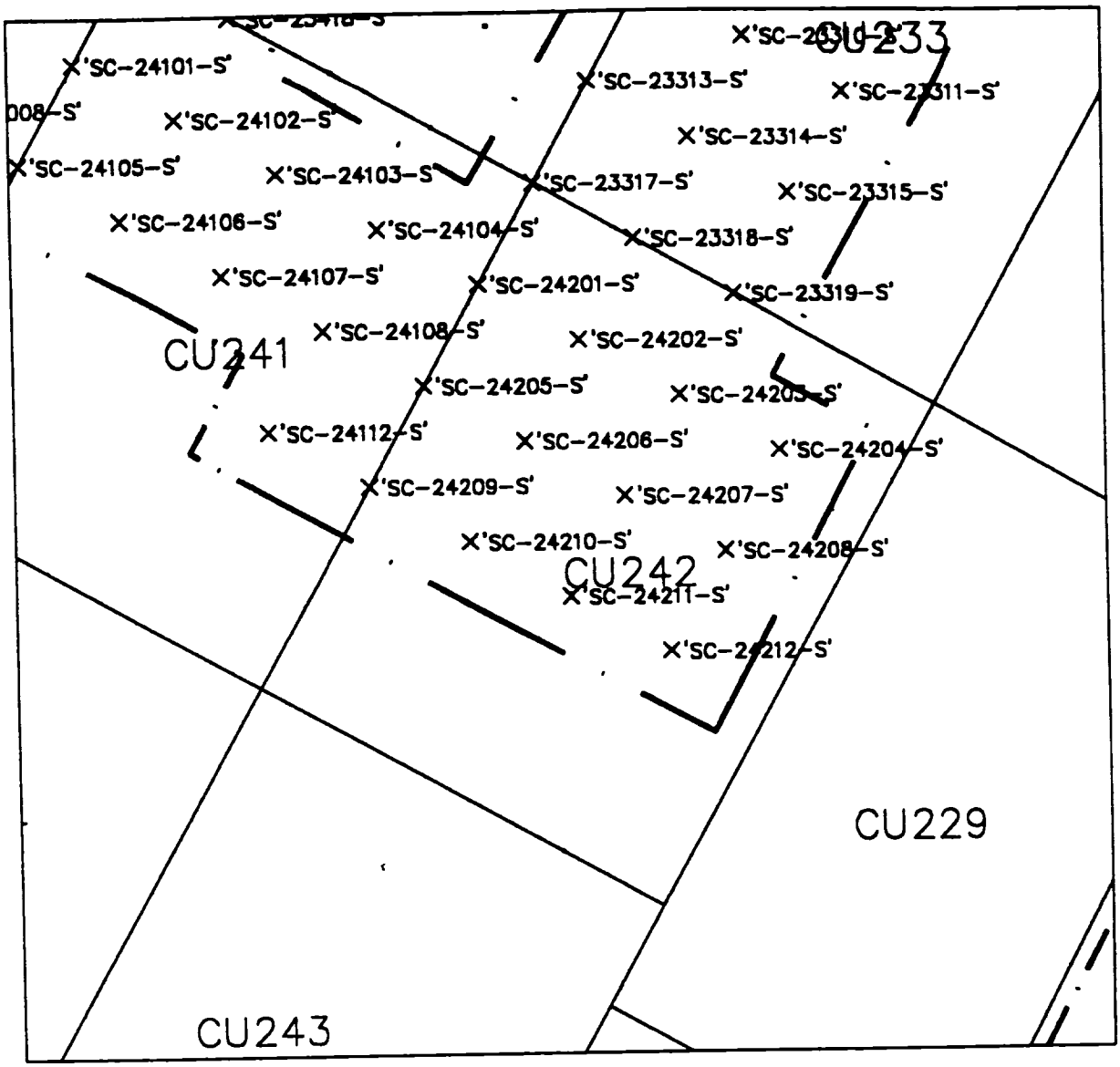
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

.	SAMPLE POINTS NOT PINNED
X'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 242

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	7/22/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

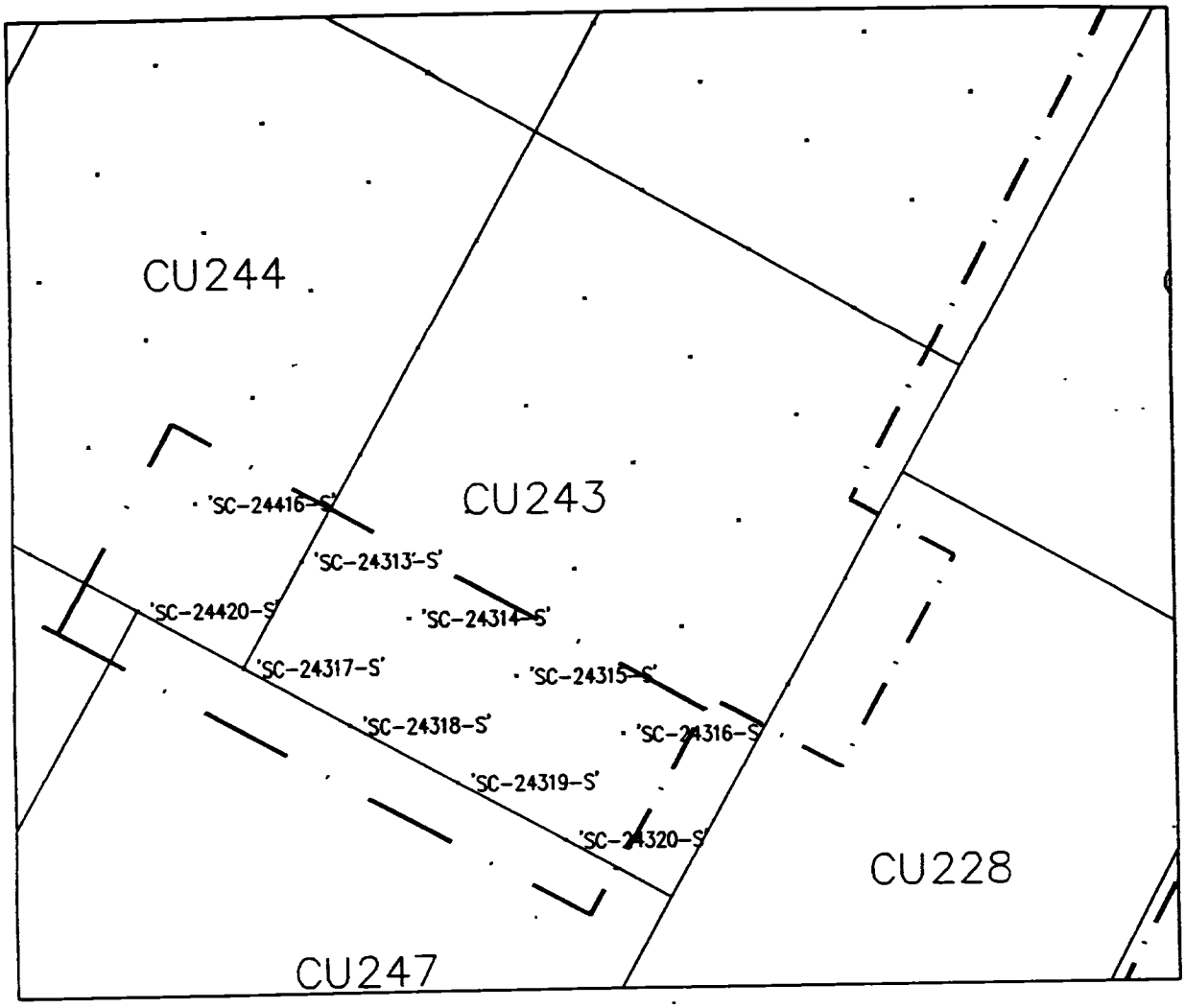
Comments: Area was surveyed and found to be less than 1.5 times background

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ▫ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 243

DHO CAD

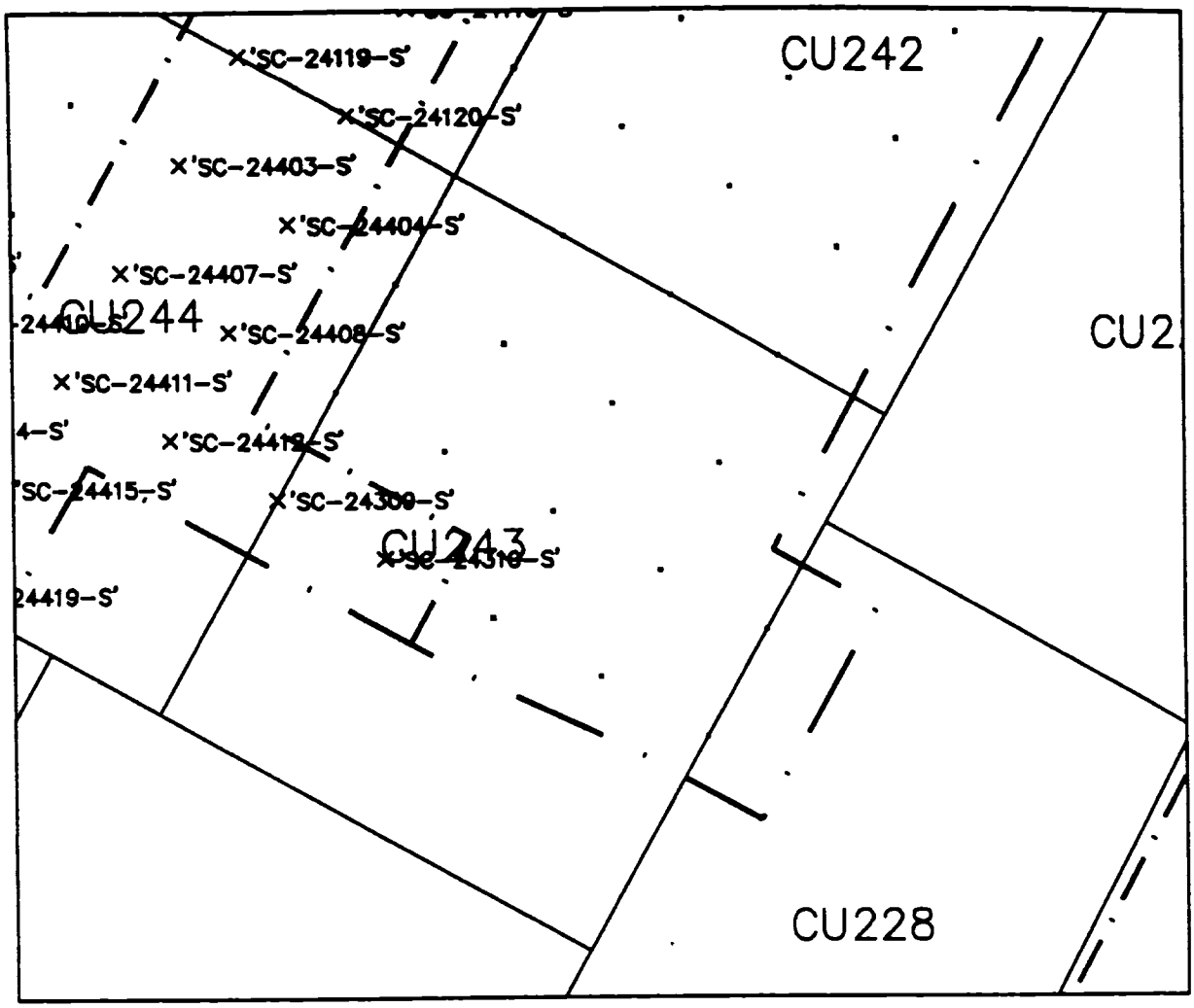
Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	127252	Detector Serial #:	F
Calibration Due:	8/27/99	Calibration Due:	8/11/99
Survey Date / Time:	6/15/99	Field Bkg.:	10,000CPM
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- · 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 243

DBO CAD

Meter Model #:	2221	Detector Model #:	2+2 NaI "F"
Meter Serial #:	127252	Detector Serial #:	122191
Calibration Due:	8/27/99	Calibration Due:	8/11/99
Survey Date / Time:	6/23/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

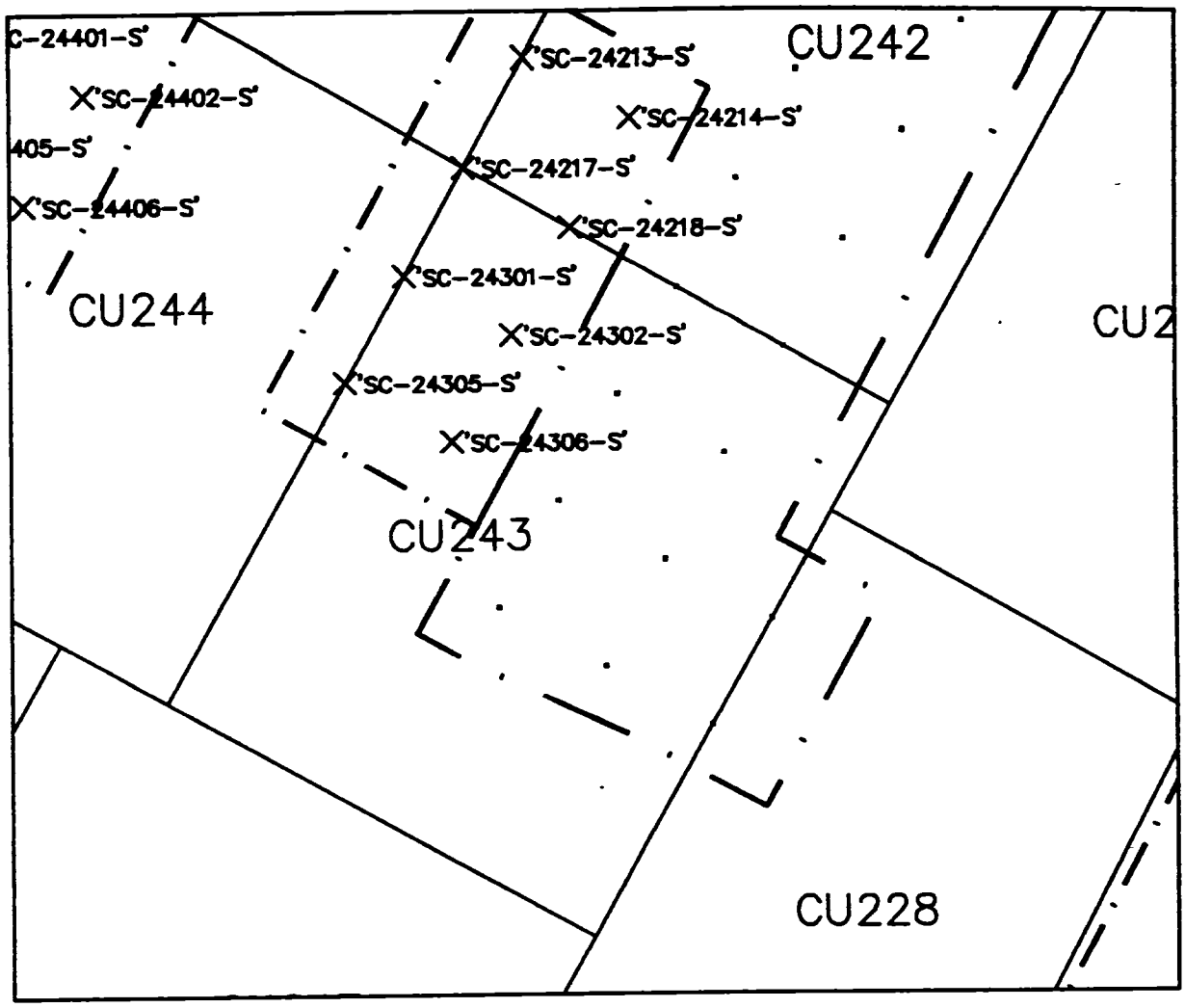
Comments: Area was surveyed and found to be less than 1.5 times background

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

· 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 243

DBD CAD

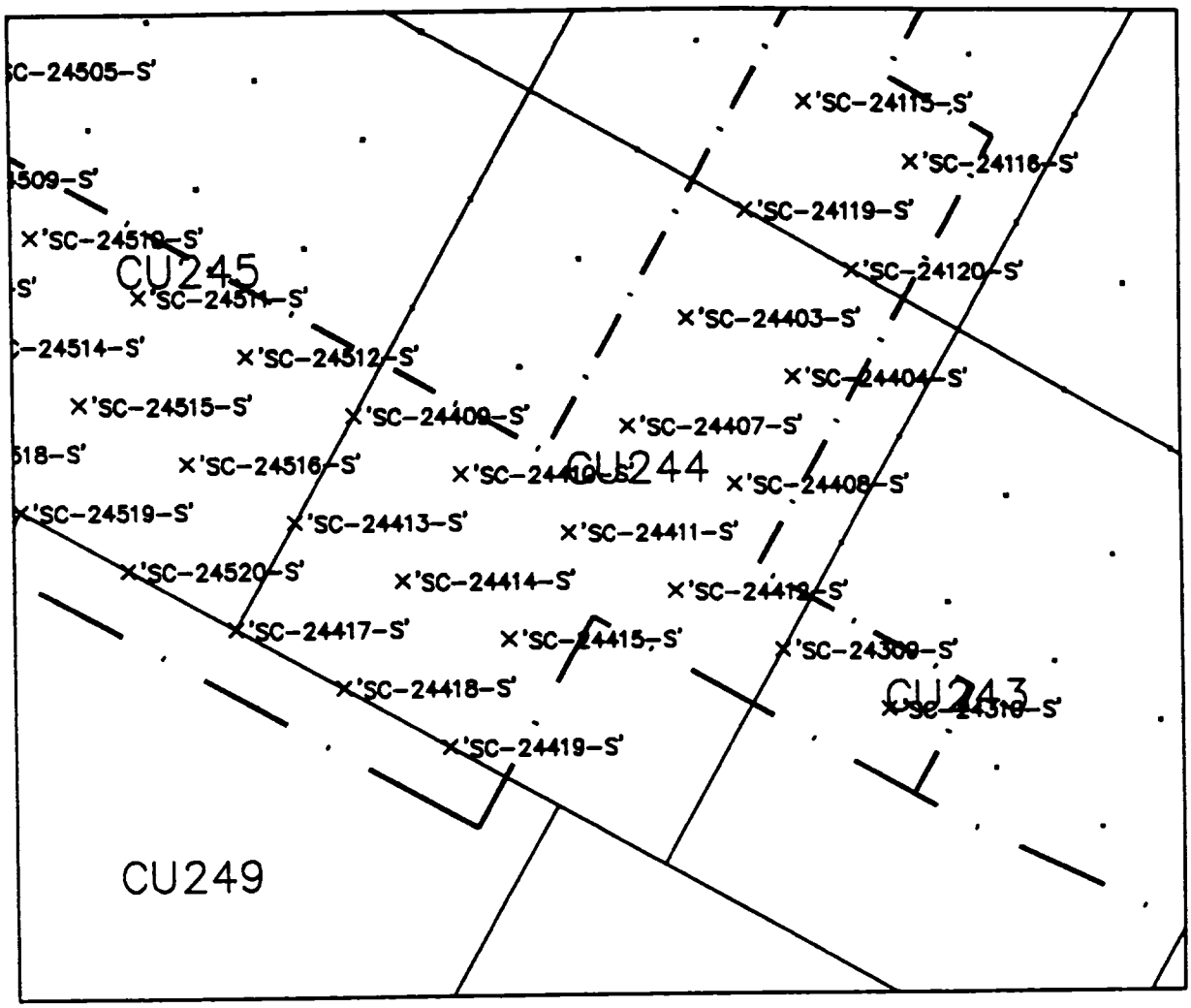
Meter Model #:	2221	Detector Model #:	2x2 "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Due:	9/25/99	Calibration Due:	1/24/00
Survey Date / Time:	6/24/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

· 'SC-32606-S'	SAMPLE POINTS NOT PINNED
× 'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 244

DBO CAD

Meter Model #:	2221	Detector Model #:	2+2 NaI "F
Meter Serial #:	127252	Detector Serial #:	122191
Calibration Due:	8/27/99	Calibration Due:	8/11/99
Survey Date / Time:	6/23/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

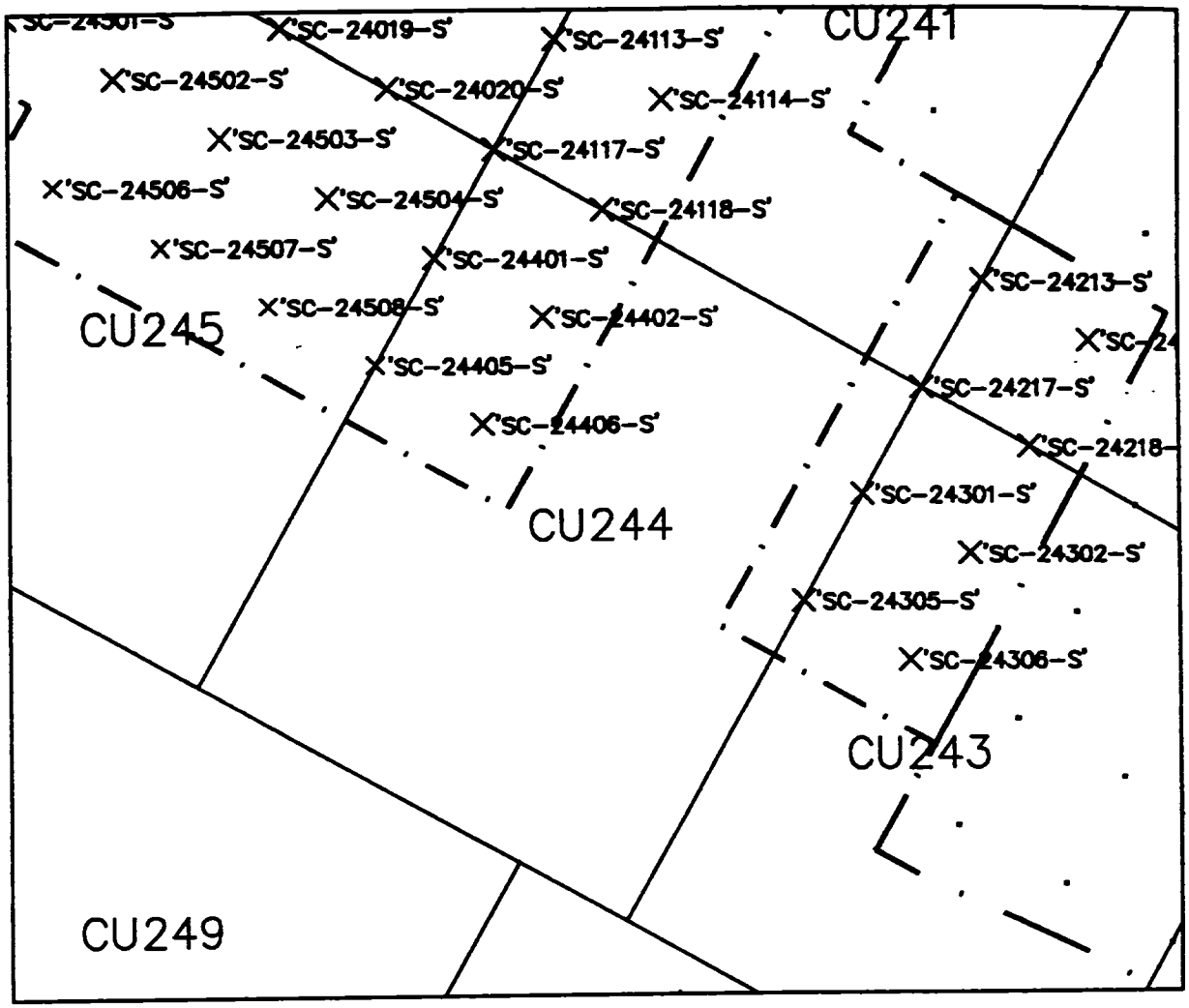
Comments: Area was surveyed and found to be less than 1.5 times background

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

· 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 244

DEO CAD

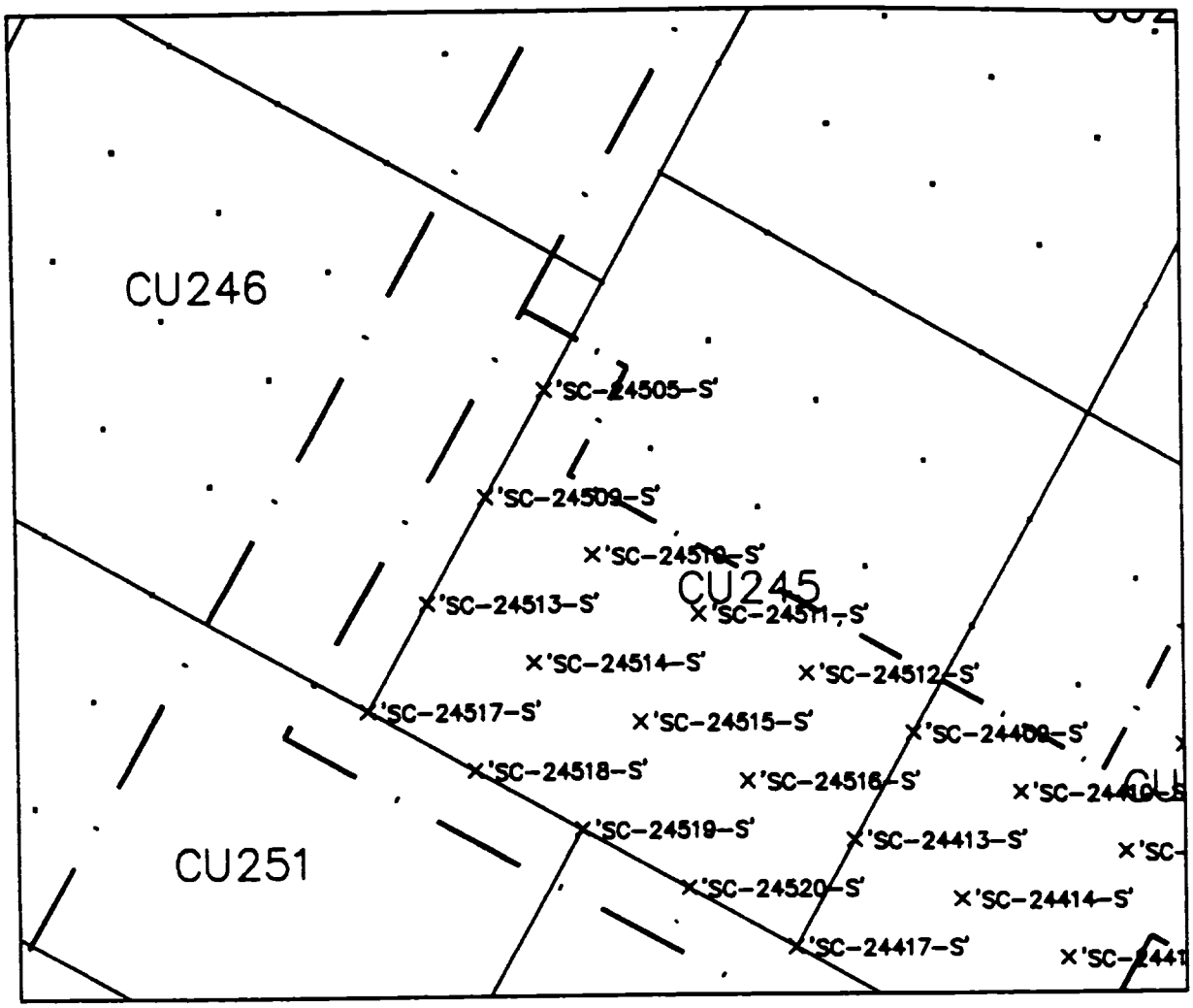
Meter Model #:	2221	Detector Model #:	2x2"6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	6/24/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings < 1.5 Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

· 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 245

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "F"
Meter Serial #:	127252	Detector Serial #:	122191
Calibration Date:	8/27/99	Calibration Date:	8/11/99
Survey Date / Time:	6/23/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

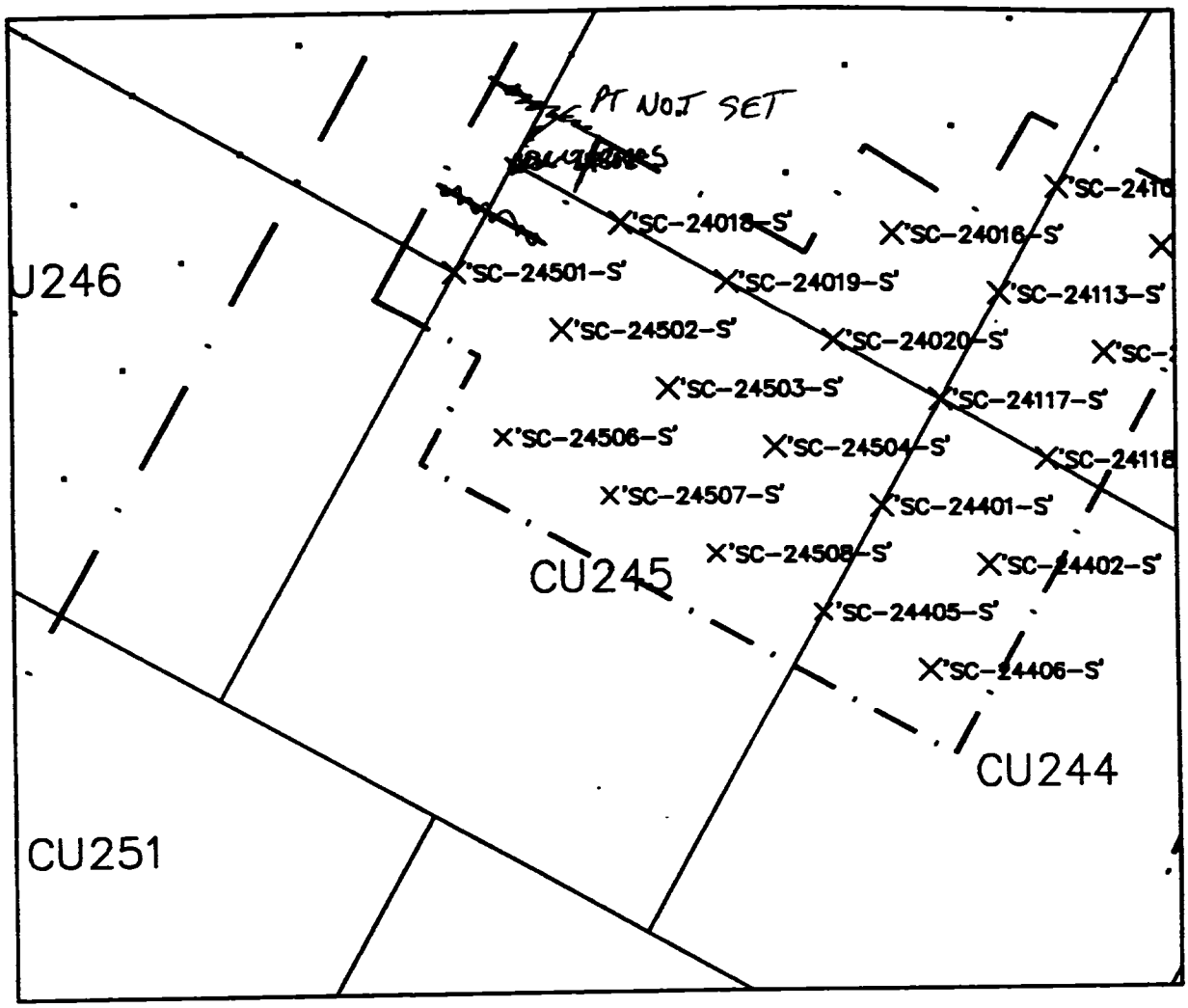
Comments: Area was surveyed and found to be less than 1.5 times background

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- · 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 245

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2 "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/29/00
Survey Date / Time:	6/24/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 BKG		

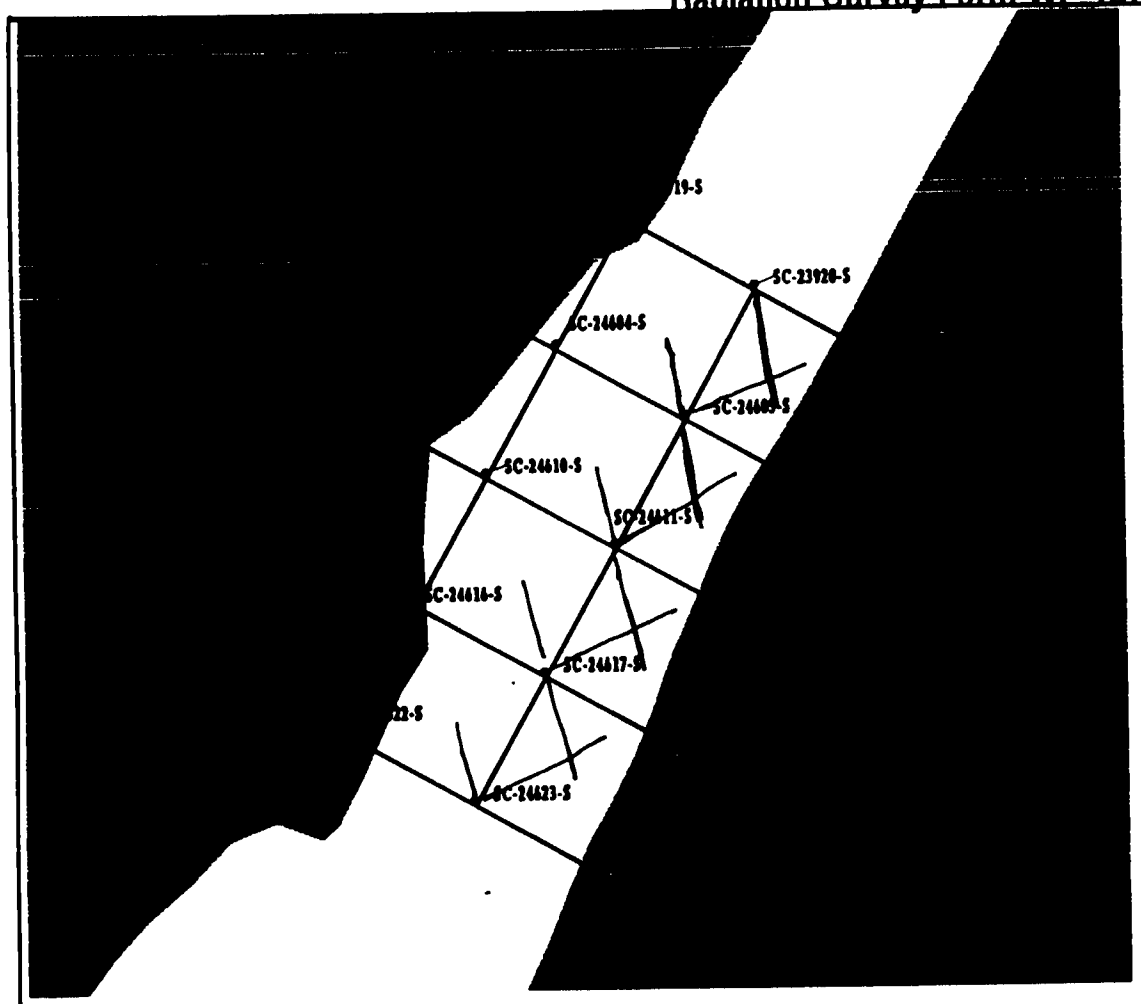
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU021CU246



WSSRAP GIS

15 7.5 0 15 METERS

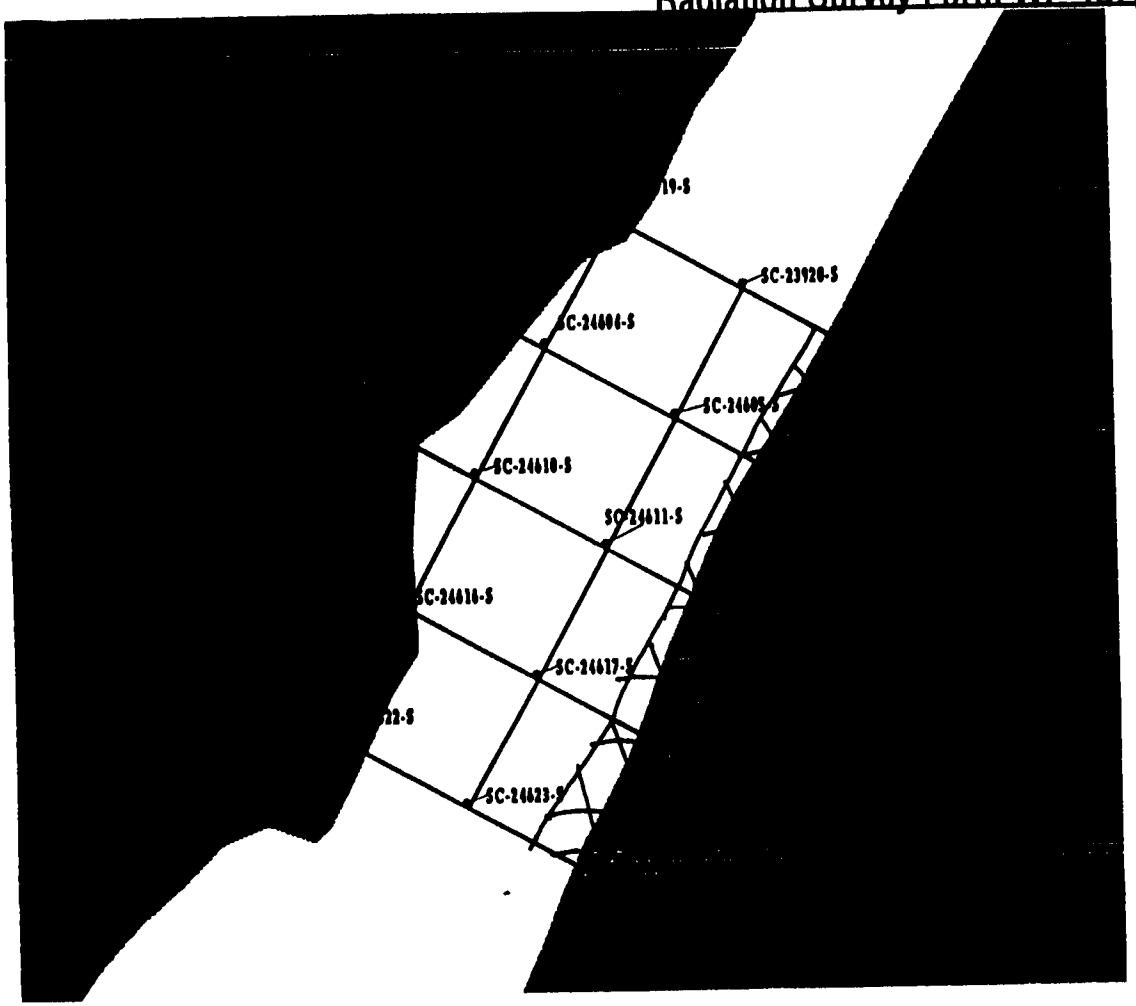
45 22.5 0 45 FEET

N W E S

Meter Model#:	2221 / 2221	Detector Model#:	NaI 2x2 / NaI 2x2
Meter Serial#:	106696 / 117607	Detector Serial#:	130769 / 1602582
Calibration Due:	12-1-99 / 12-18-99	Calibration Due:	7-21-99 / 5-6-99
Survey Date/Time:	01/29/99	Field Bkg.:	12K / 23K
Surveyor(s):	Jonathan Rankins • Chris Hanner		

Comments: Area was surveyed and found to be below 1.5 times background

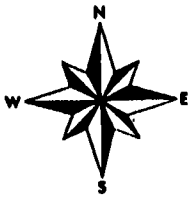
Radiation Survey Form WP 437, RU021CU246



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET



Meter Model#: 2221 Detector Model#: NaI 2x2

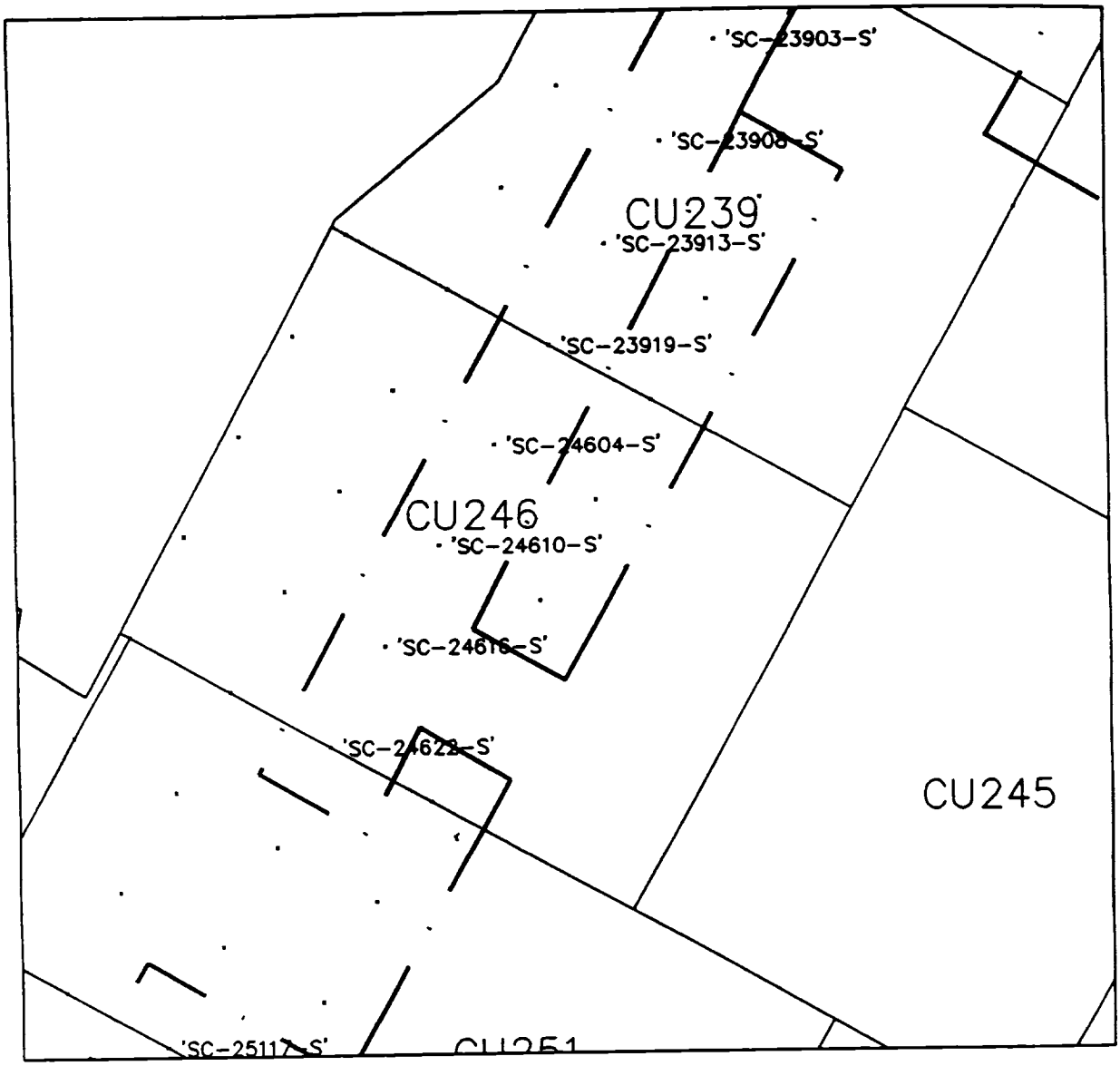
Meter Serial#: 127252 Detector Serial#: 122 191

Calibration Due: 8-27-99 Calibration Due: 8-11-99

Survey Date/Time: 4/27/99 Field Bkg.: 5,000 CPM

Surveyor(s): T. Brewer

Comments: All readings <1.5 times Bkg.



LEGEND

.	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 246

8-3-99

DBD CAD

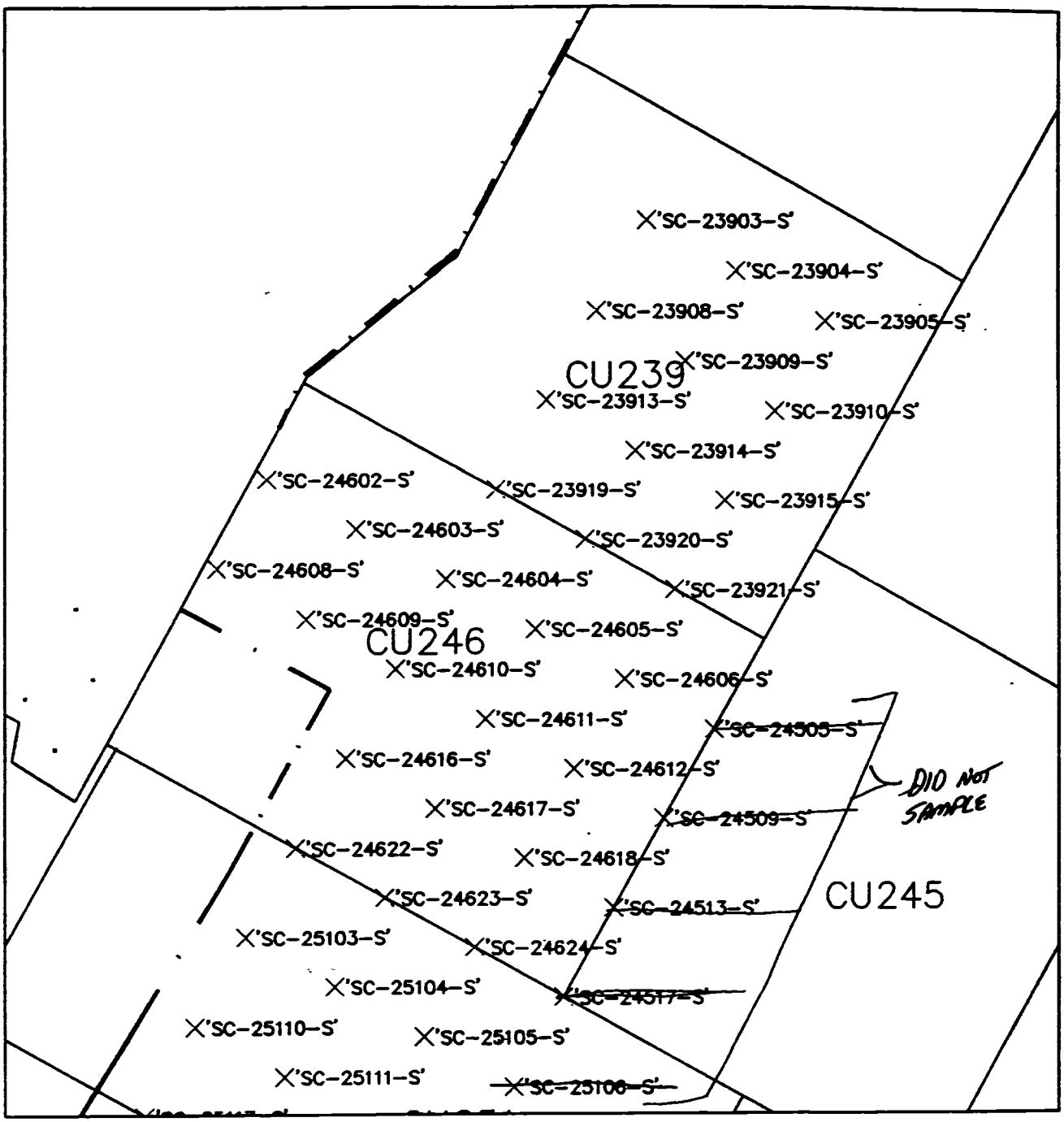
Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-23-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankin		
Comments:	All areas surveyed < 1.5 BKG		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

X'SC-32606-S' SAMPLE POINTS NOT PINNED

SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.

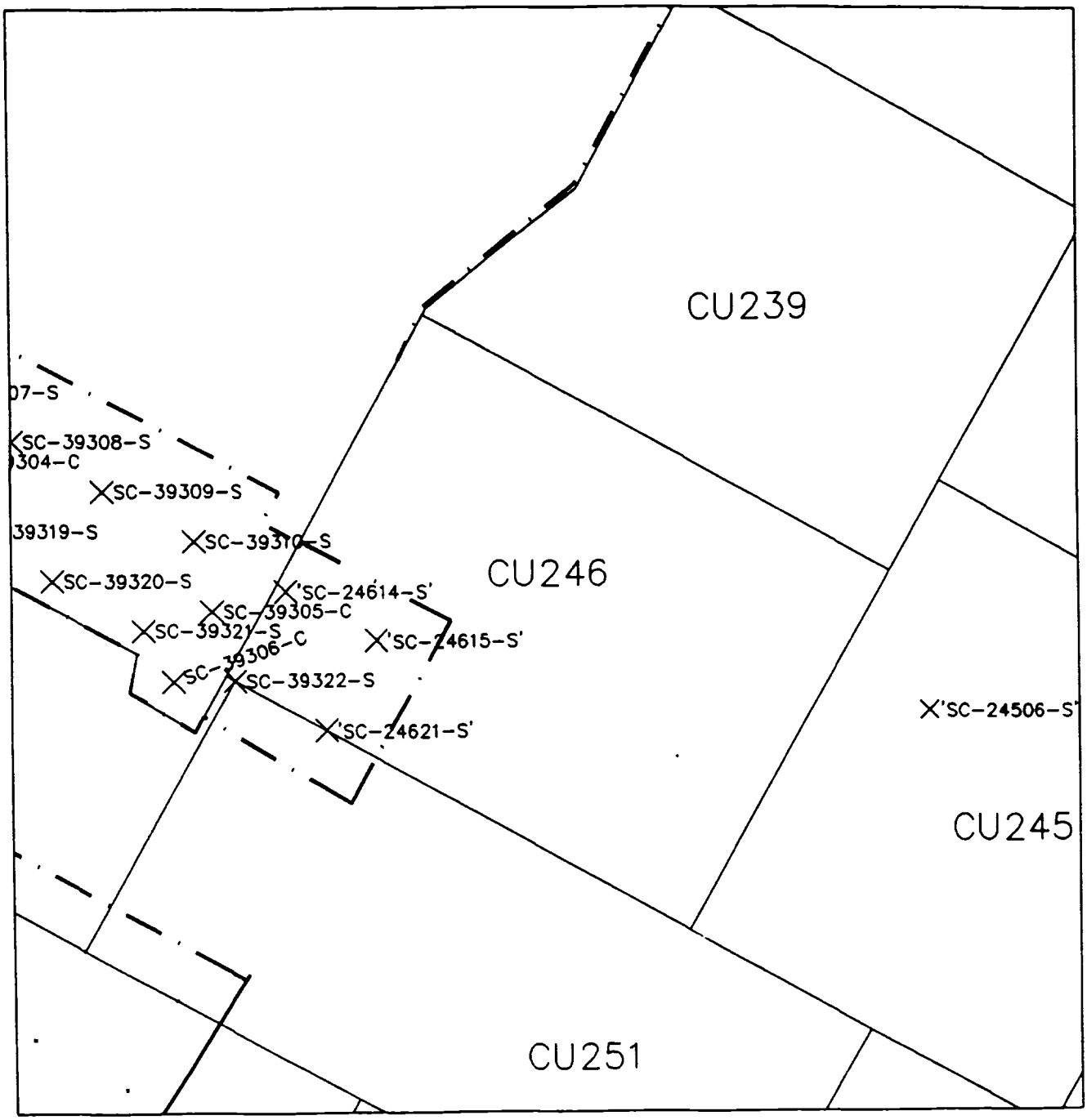
Radiation Survey Form WP 437, RU 21 CU 246

9/26/99

DEO CAD

Meter Model #:	44-10-2	Detector Model #:	2221
Meter Serial #:	130774 N	Detector Serial #:	106696
Calibration Date:	1-24-00	Calibration Date:	12-2-99
Survey Date / Time:	9-26-99 / 1600	Field Bkg.:	12,000 cpm
Surveyor(s):	D FLEMING		

Comments: ALL AREAS SURVEYED LWERE <1.5 x BKG



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

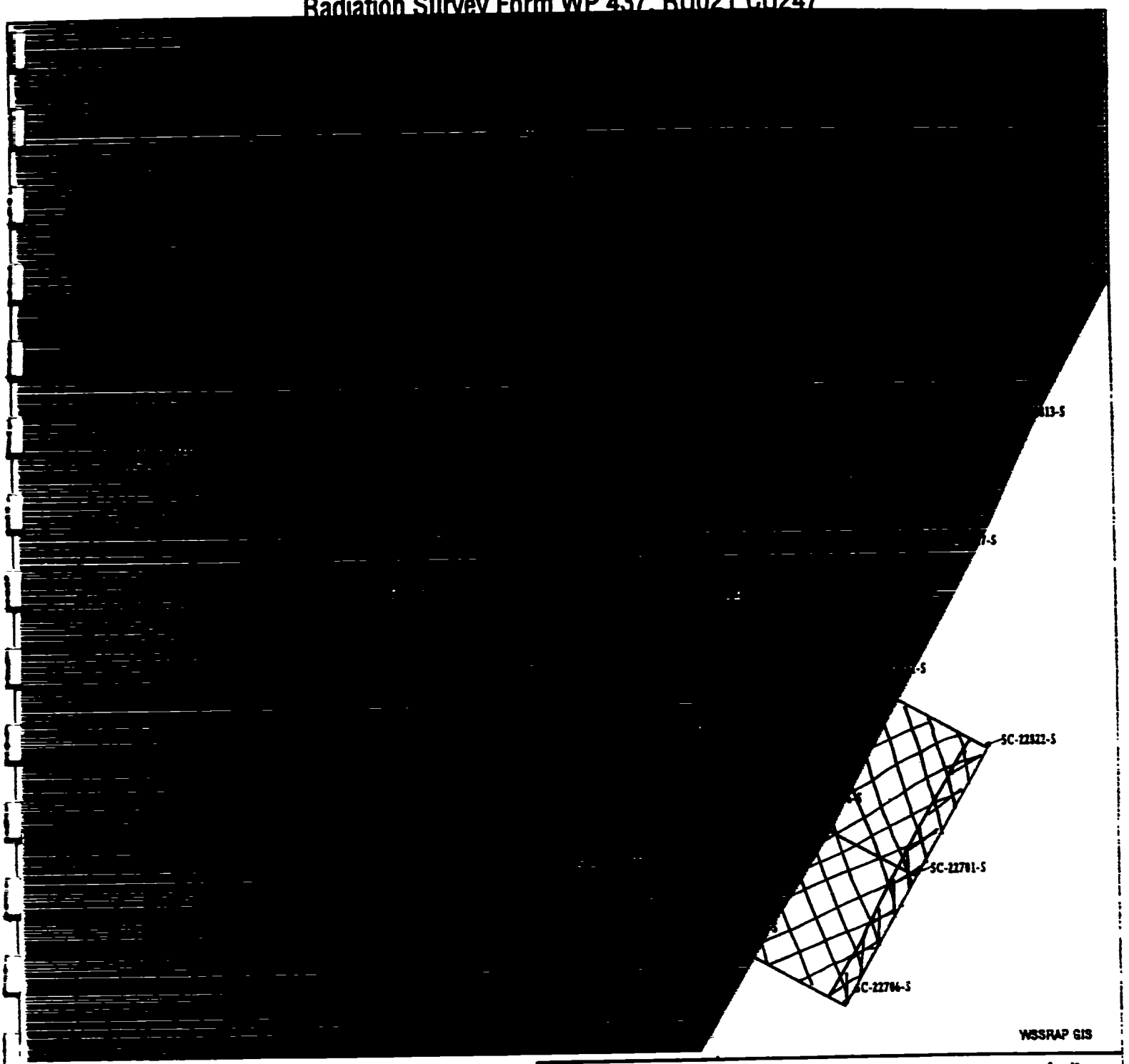
Radiation Survey Form WP 437, RU 21 CU 246

9/28/99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 "O"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date / Time:	9/27/99	Field Bkg.:	11,000
Surveyor(s):	T. Brown		
Comments:	All readings <1.5 Bkg		

Radiation Survey Form WP 437, BU021 CU247



15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: 127252

Calibration Due: 8-27-99

Survey Date/Time: 4-13-99

Detector Model#: 2x2 NaI "F"

Detector Serial#: 122191

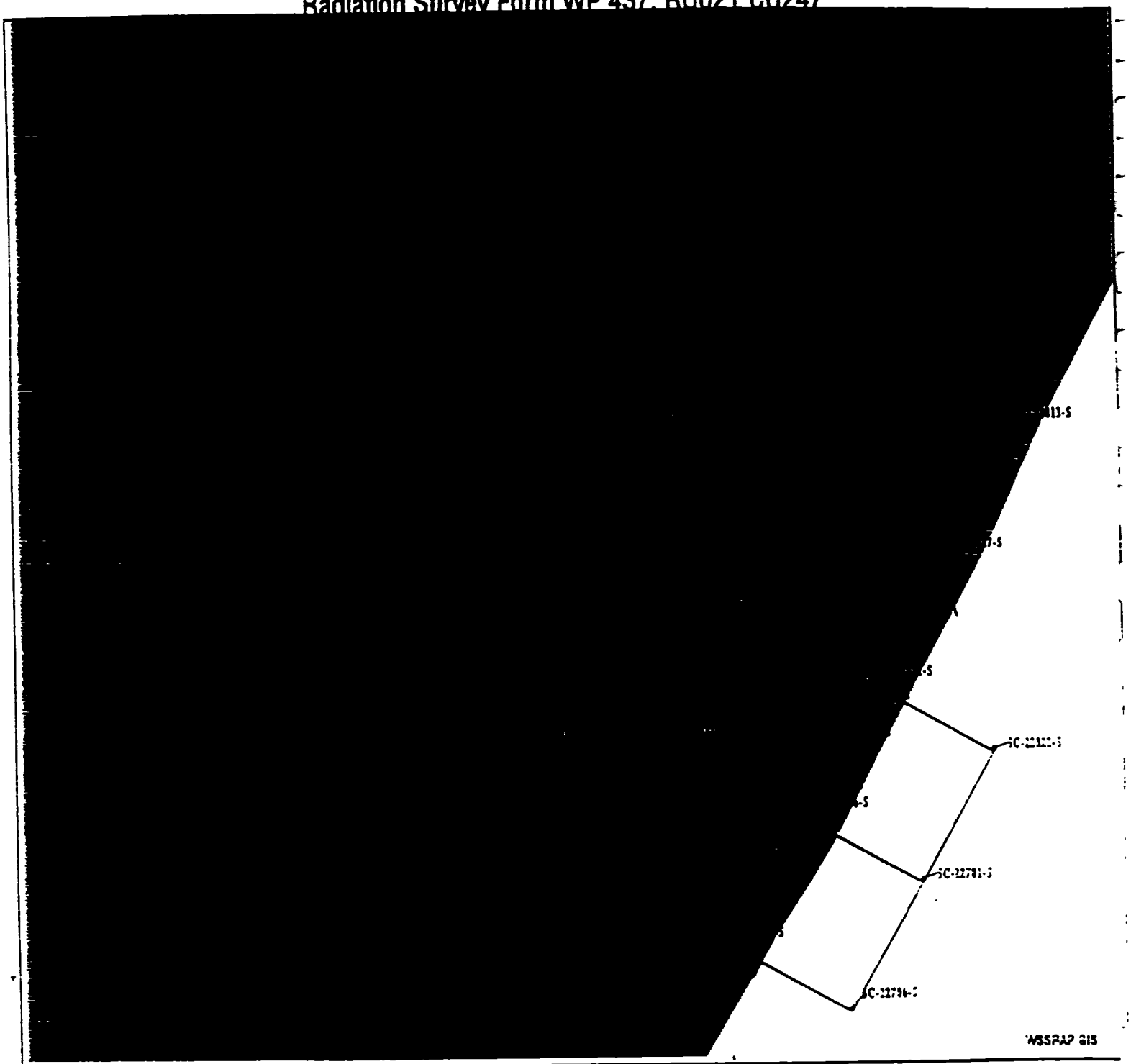
Calibration Due: 8-11-99

Field Bkg.: 8000 cpm

Surveyor(s): C. Hanna & T. Brown

Comments: Area surveyed and found to be less than 1.5 times background

Radiation Survey Form WP 437, RU021 CU247



15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: 106696

Calibration Due: 12-1-99

Survey Date/Time: 5/6/99

Surveyor(s): C. Hanner

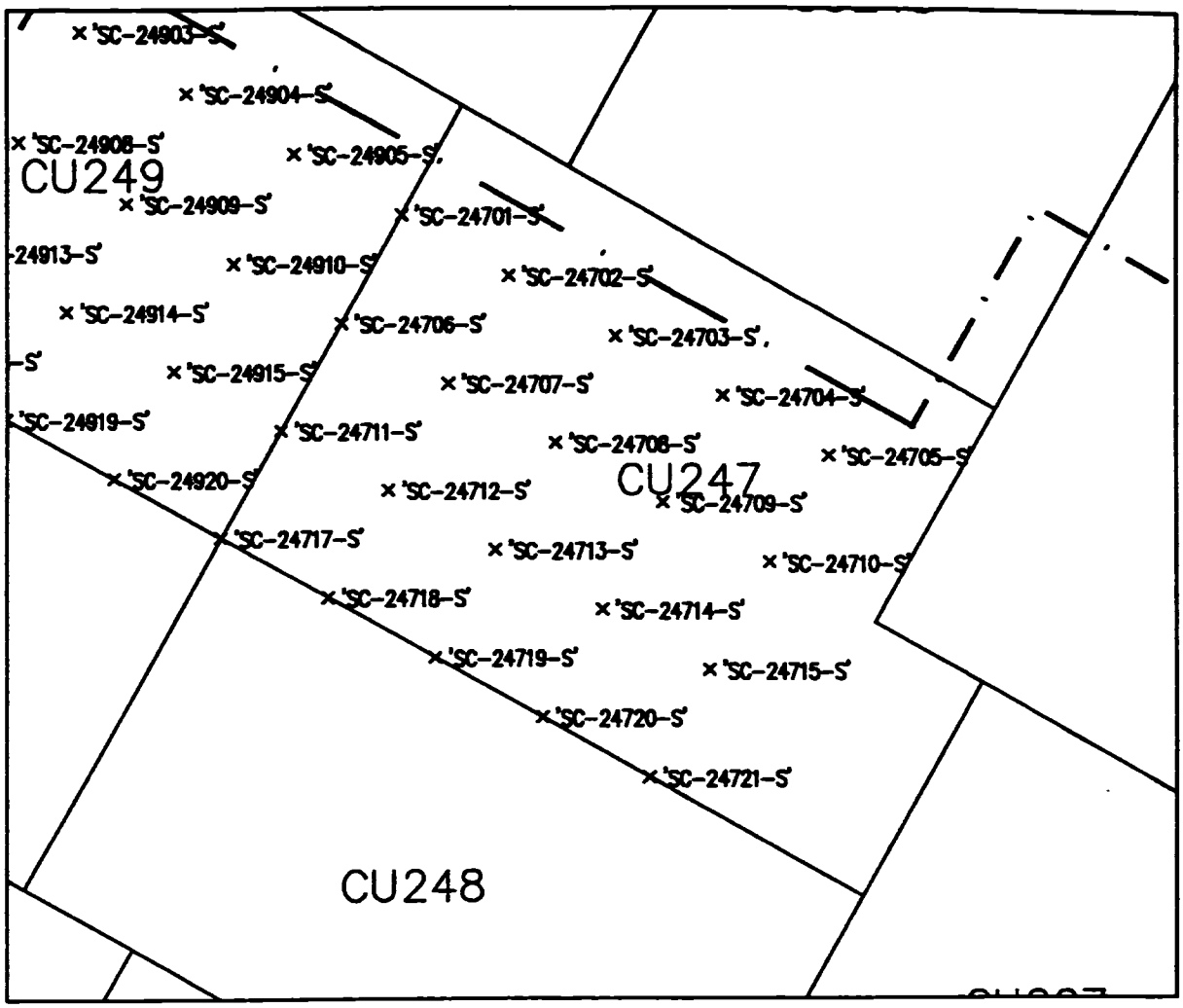
Detector Model#: TS0764 2x2 NaI "n"

Detector Serial#: 130764

Calibration Due: 7-21-99

Field Bkg.: 6000 cpm

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 247

DEO CAD

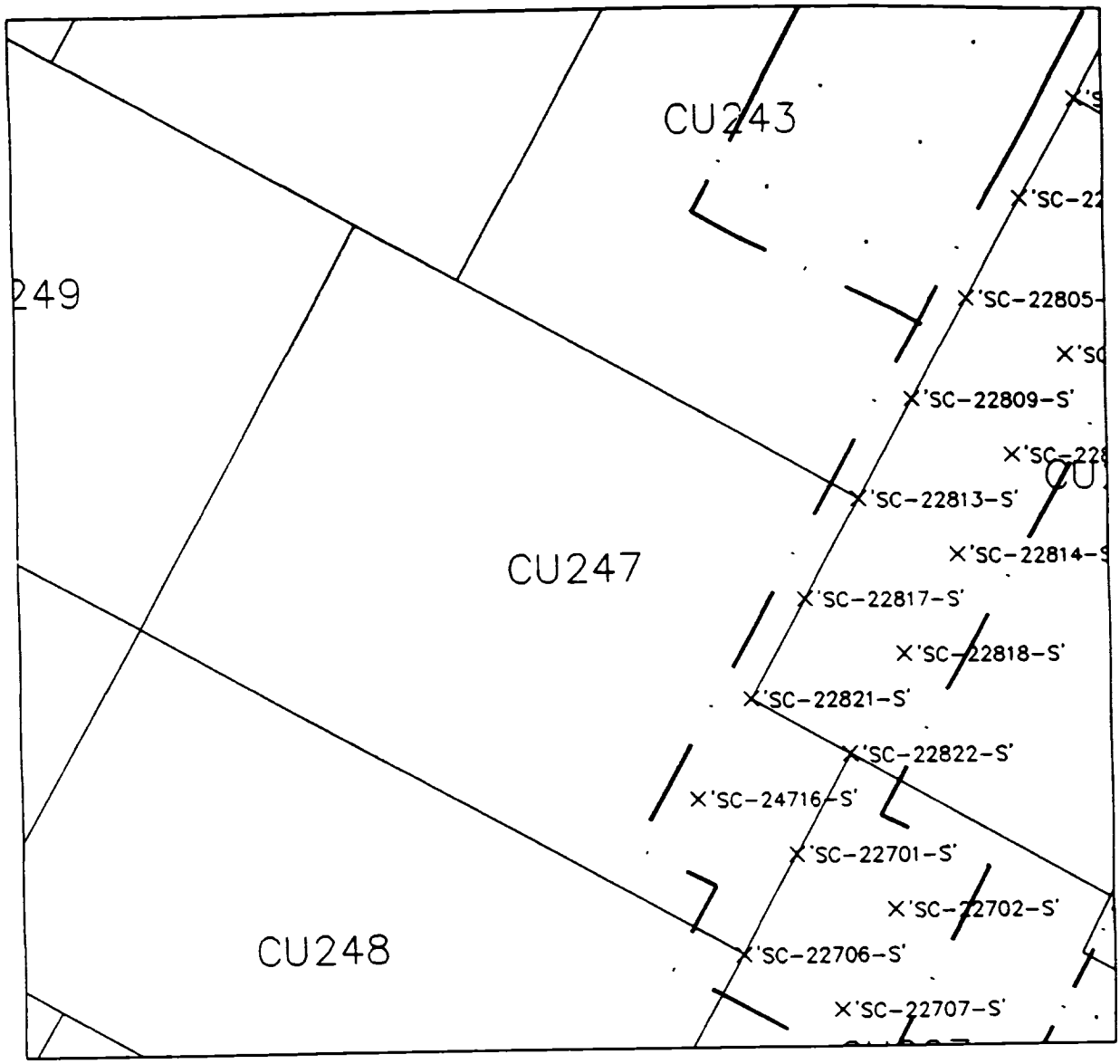
Meter Model #:	2221	Detector Model #:	2x2 L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Due:	12-20-99	Calibration Due:	8-11-99
Survey Date / Time:	6-2-99/AM	Field Bkg.:	9,000 cpm
Surveyor(s):	T BROWNER / J RANKINS		
Comments:	ALL READINGS < 1.5 x BKG		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 247

DHO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-14-99	Field Bkg.:	10,000 cpm
Surveyor(s):	J. Rankin		
Comments:	All meas. averaged < 1.5 BKG		

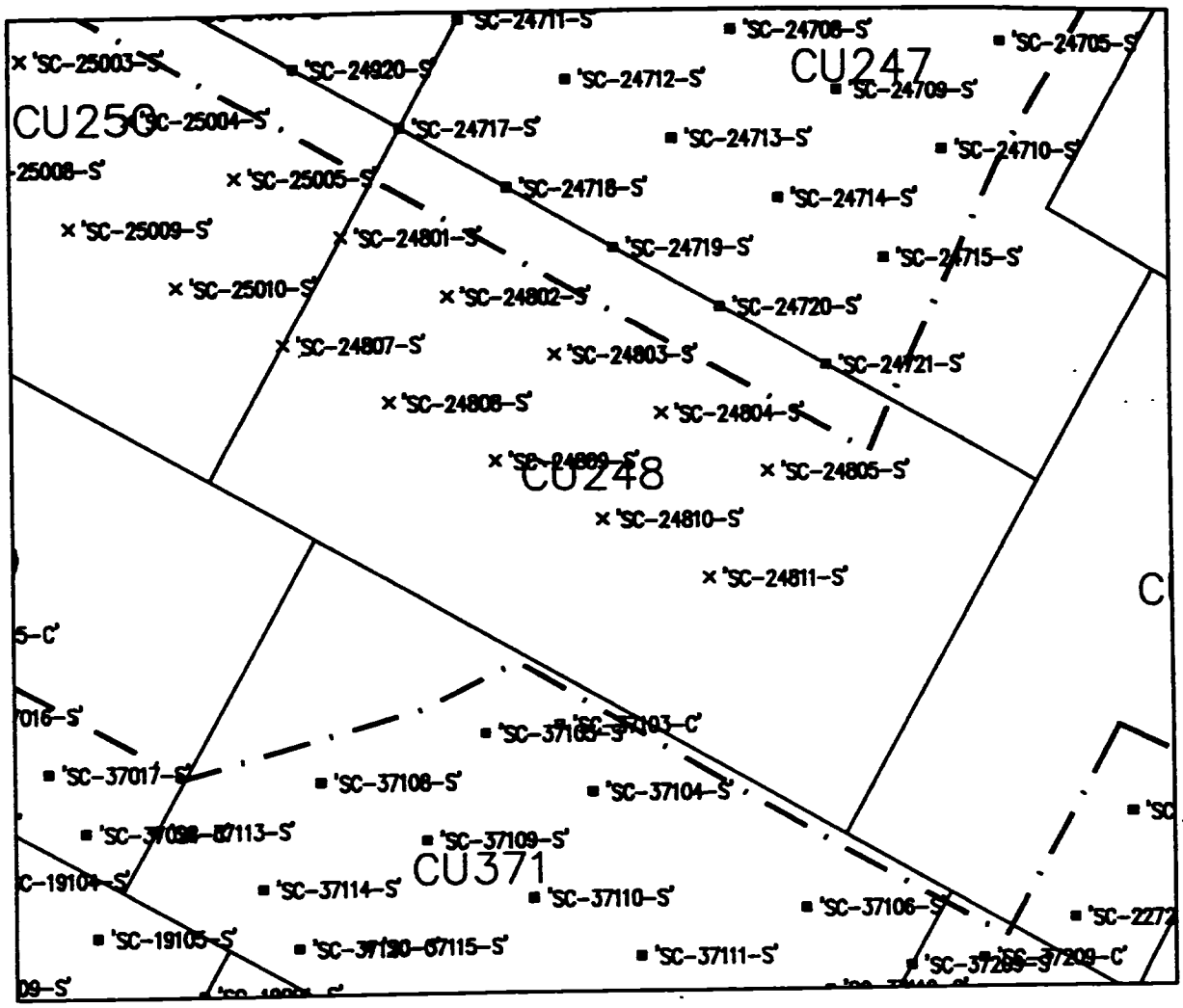
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 **CU** 248

DBO CAD

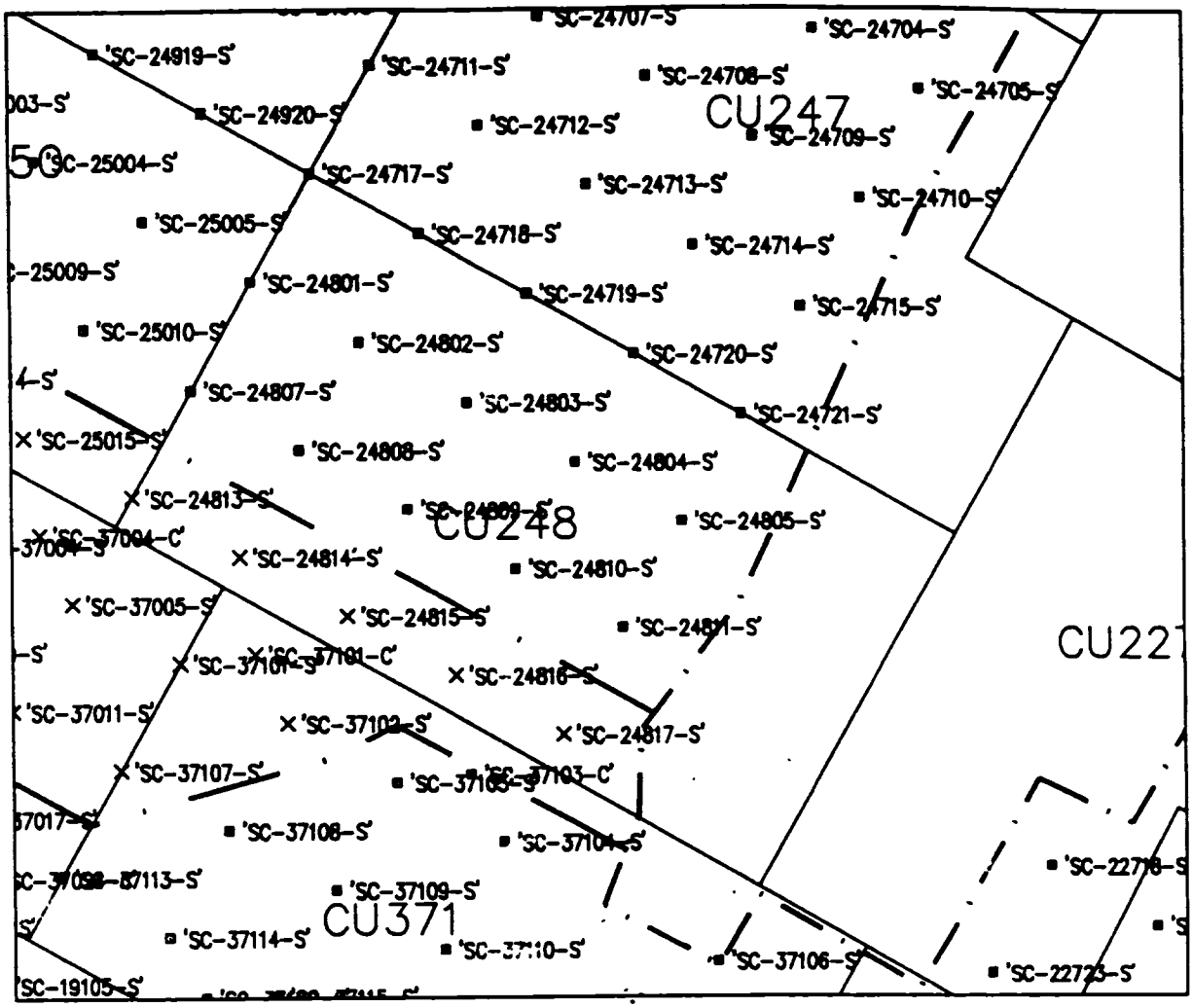
Meter Model #:	2221	Detector Model #:	2x2 L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Due:	12-20-99	Calibration Due:	8-11-99
Survey Date / Time:	6-2-99 / PM	Field Bkg.:	9,000 cpm
Surveyor(s):	J RANKINS / T BROWER		
Comments:	ALL READINGS < 1.5 x BKG		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 248

DBO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Due:	12-20-99	Calibration Due:	8-11-99
Survey Date / Time:	6-03-99	Field Bkg.	7K
Surveyor(s):	J. [illegible]		
Comments:	All areas < 45 BKG		

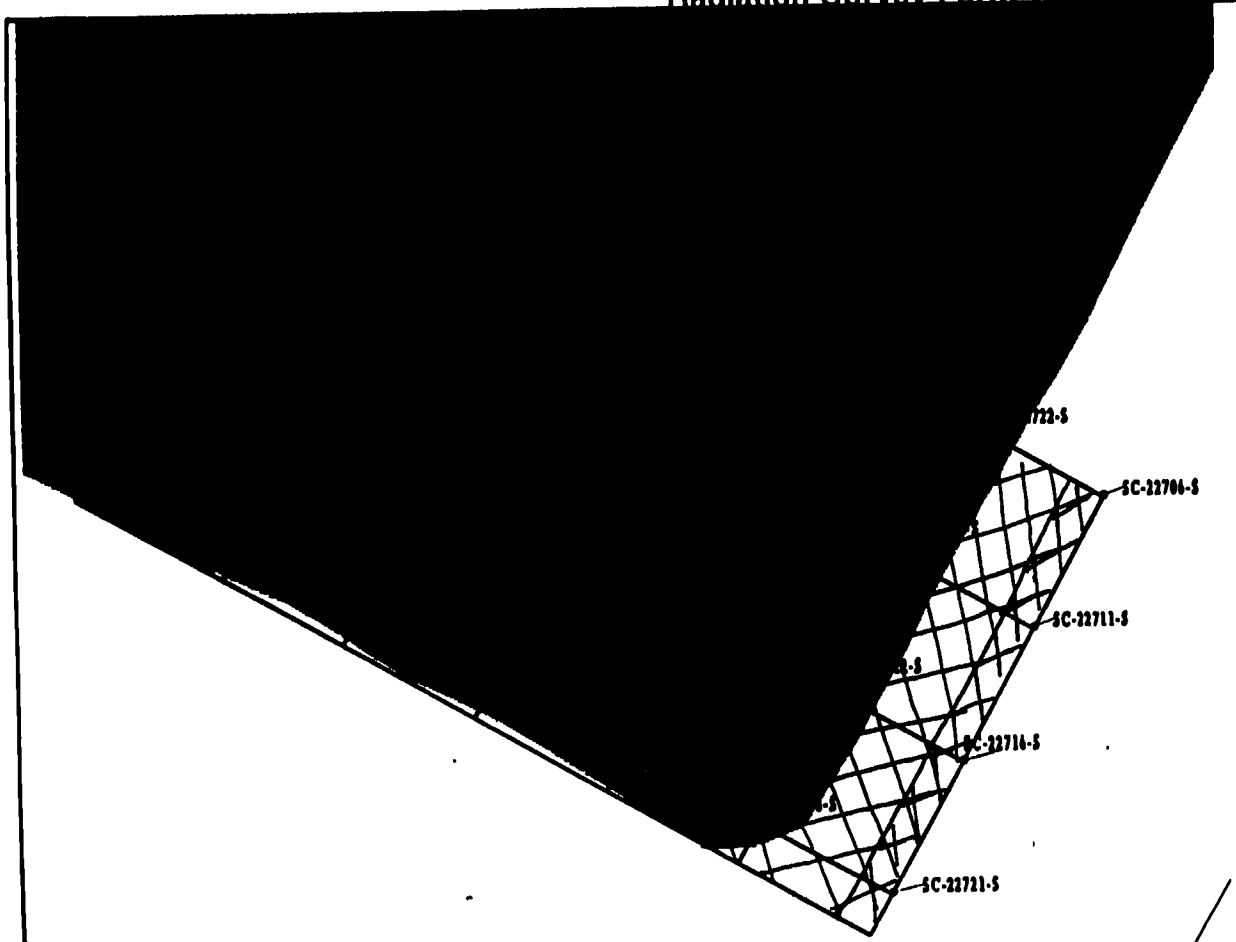
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437. RU021CU248



WSSRAP GI

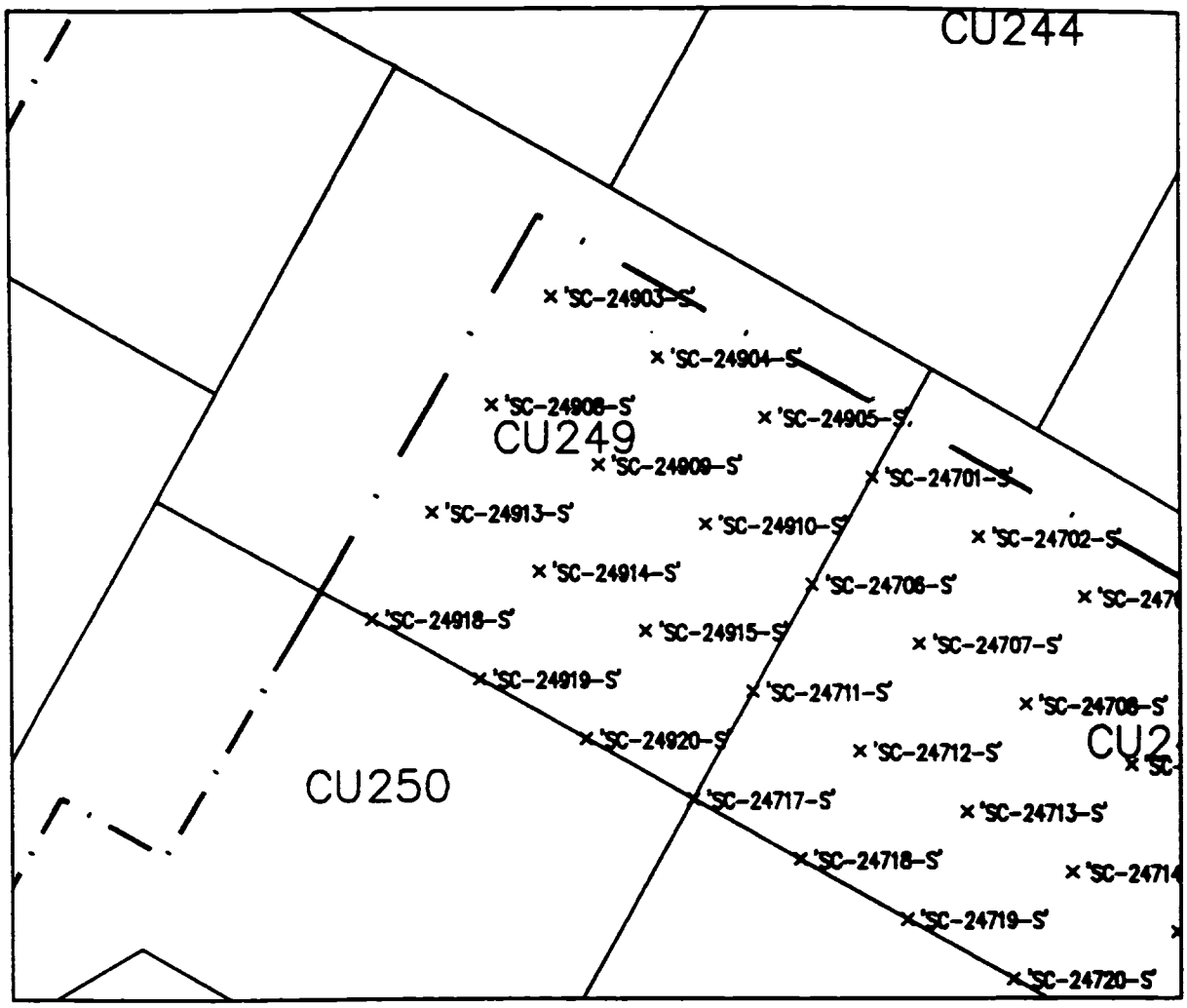
Meter Model#: 2221	Detector Model#: 2x2 NaI "F"
Meter Serial#: 127252	Detector Serial#: 122191
Calibration Due: 8-27-99	Calibration Due: 8-11-99
Survey Date/Time: 4-17-99	Field Bkg.: 8000 cpm
Surveyor(s): C. Hanner & T. Brown	

Comments: Area surveyed and found to be less than 1.5 times background

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N W E S



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 249

DBO CAD

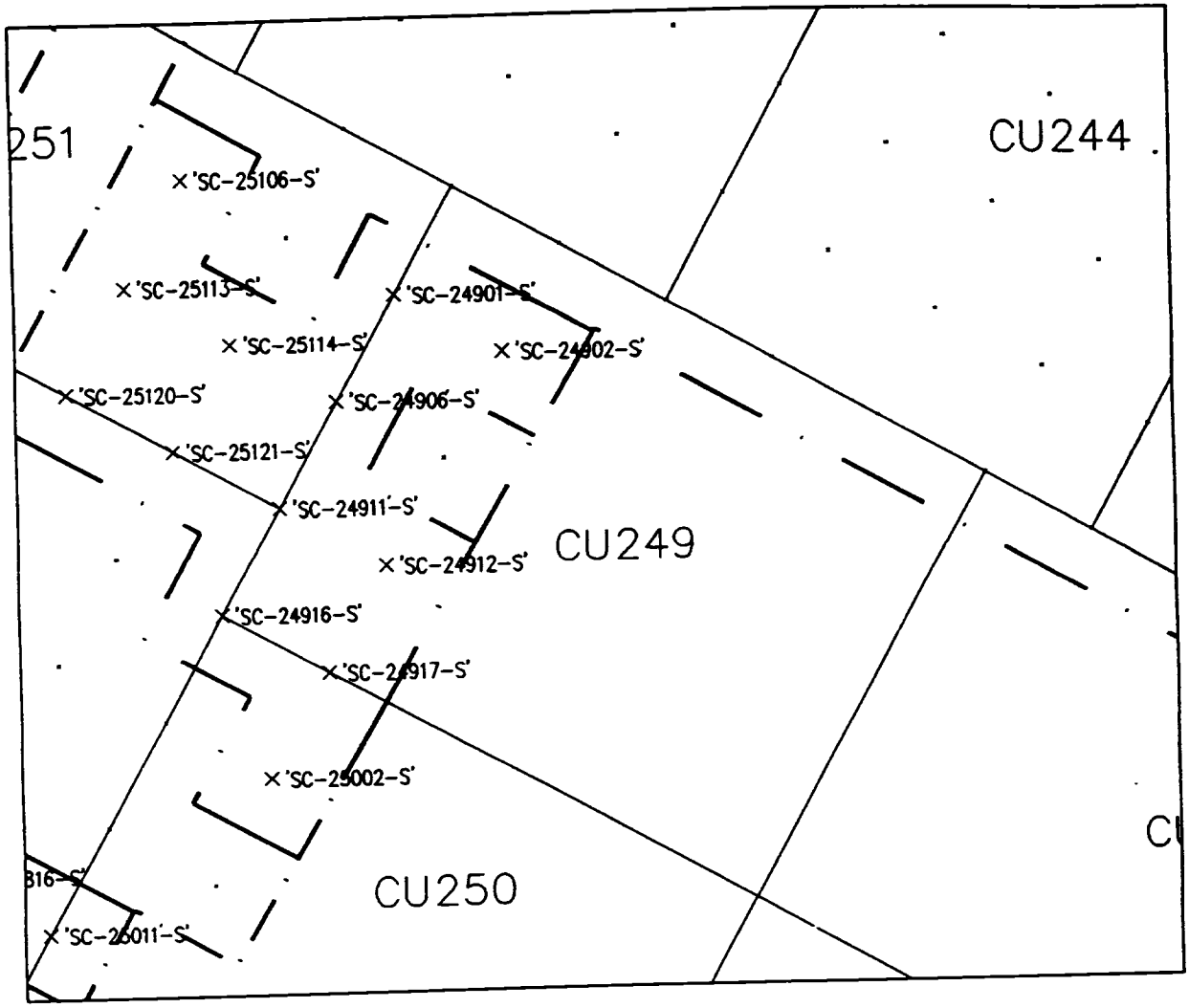
Meter Model #:	2221	Detector Model #:	2x2L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Date:	12-20-99	Calibration Date:	8-11-99
Survey Date / Time:	6-2-99 /PM	Field Bkg.:	9,000 cpm
Surveyor(s):	J RAWKINS / T BROWNER		
Comments:	ALL READINGS <1.5 x BKG		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

▫ 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 249

DHO CAD

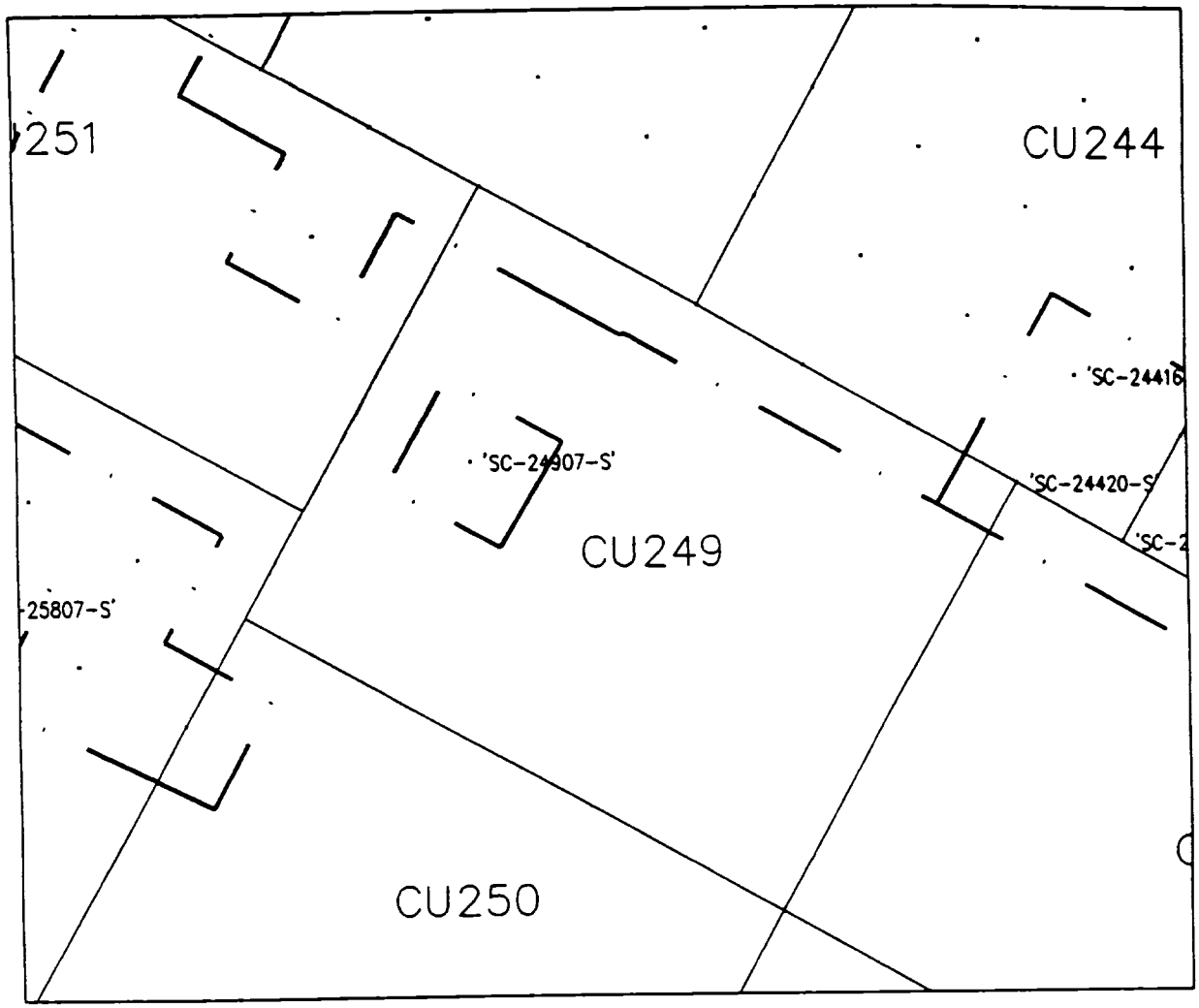
Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	127252	Detector Serial #:	F
Calibration Due:	8/27/99	Calibration Due:	8/11/99
Survey Date / Time:	6/11/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 times Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ▫ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 249

DBO CAD

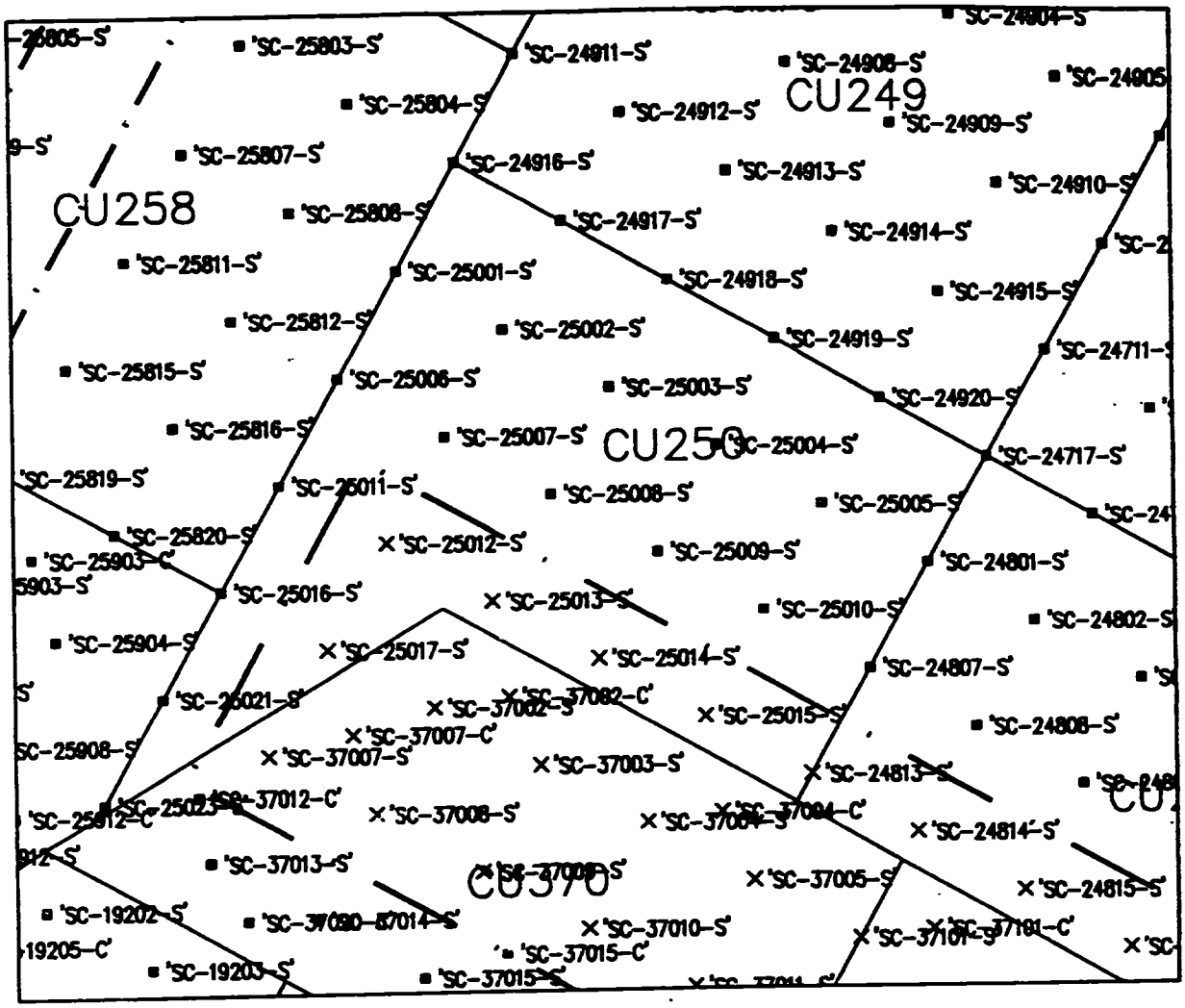
Meter Model #	2221	Detector Model #:	2x2
Meter Serial #	127252	Detector Serial #:	F
Calibration Due:	8/27/99	Calibration Due:	8/11/99
Survey Date / Time:	6/15/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings w/.5 Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ■ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey.Form WP 437, RU 21 CU 250

DBO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Date:	12-20-99	Calibration Date:	8-11-99
Survey Date / Time:	6-02-99	Field Bkg.:	7K
Surveyor(s):	J. Rankin		
Comments:	All areas < 1.5 BKG		

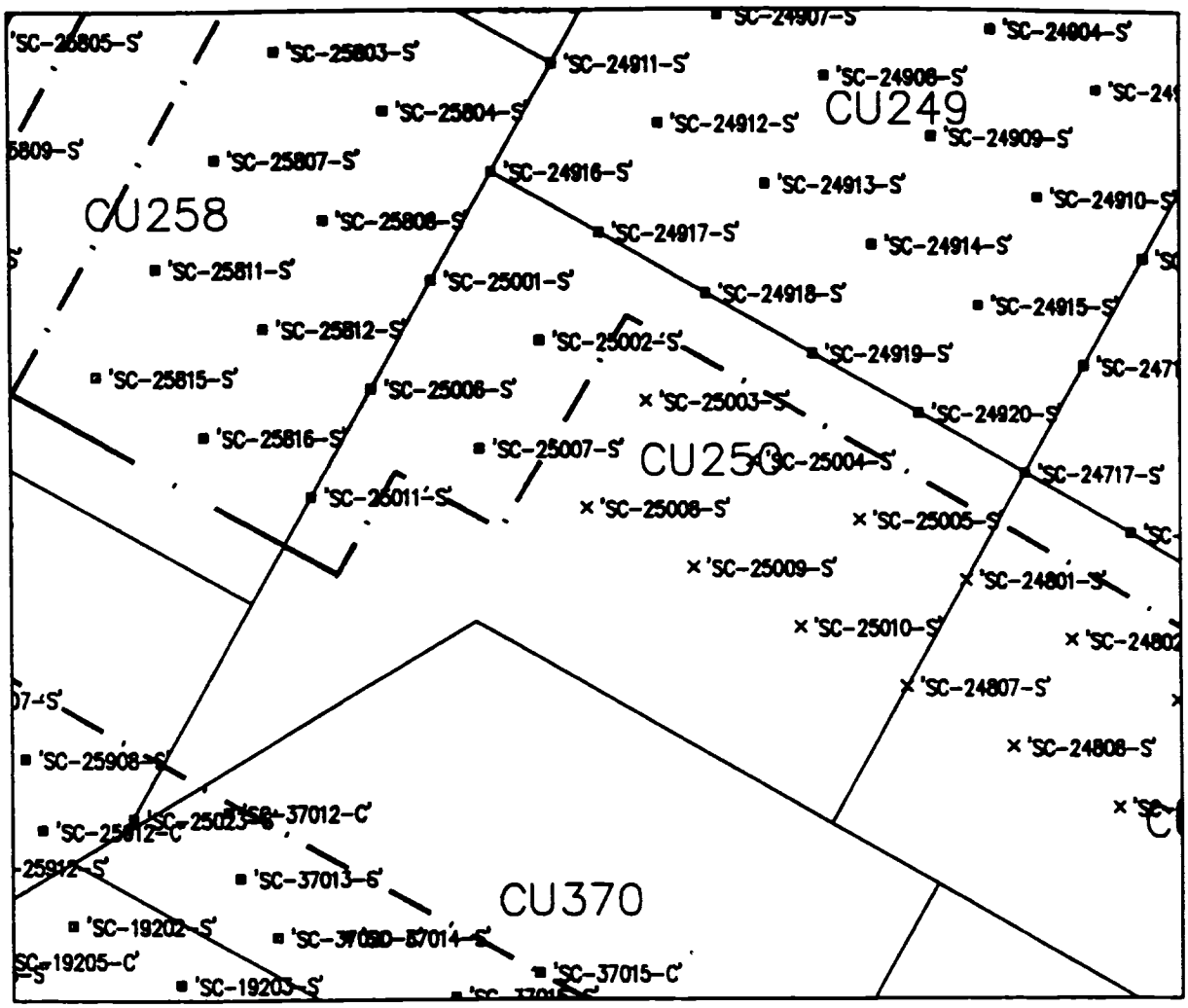
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

- ■ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 250

DBO CAD

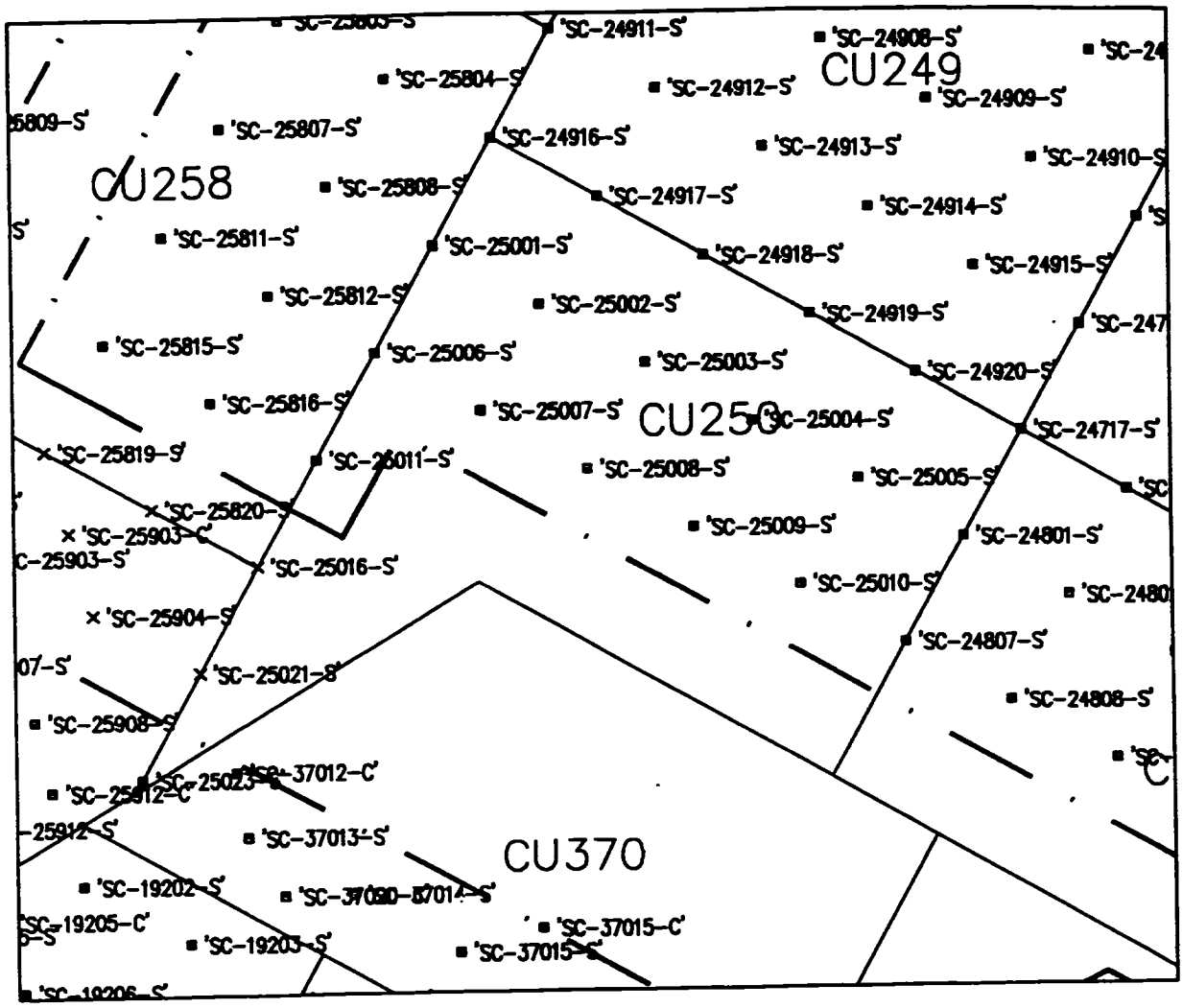
Meter Model #:	2221	Detector Model #:	2x2 L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Date:	12-20-99	Calibration Date:	8-11-99
Survey Date / Time:	6-2-99/PM	Field Bkg.:	9,000 cpm
Surveyor(s):	J RANKINS / T BROWER		
Comments:	ALL READINGS < 1.5 x BKG		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 250

DBO CAD

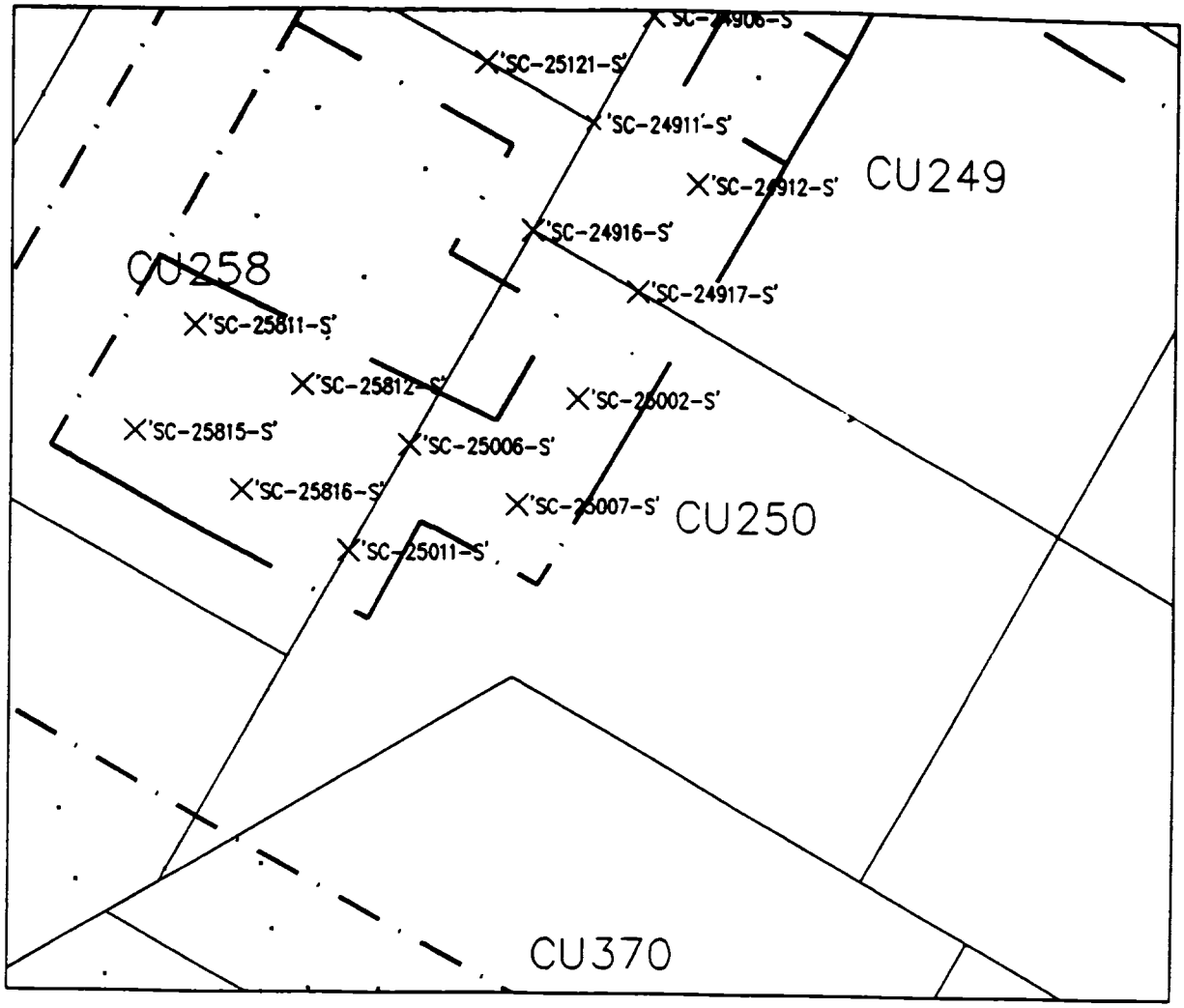
Meter Model #:	2221	Detector Model #:	2x2L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Due:	12/20/99	Calibration Date:	8/11/99
Survey Date / Time:	6/4/99	Field Bkg.:	6,000 CPM
Surveyor(s):	T. Brown		
Comments:	All readings <1.5 times BKg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

▫ 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 250

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	127252	Detector Serial #:	F
Calibration Due:	8/27/99	Calibration Due:	8/11/99
Survey Date Time:	6/11/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 BKG		

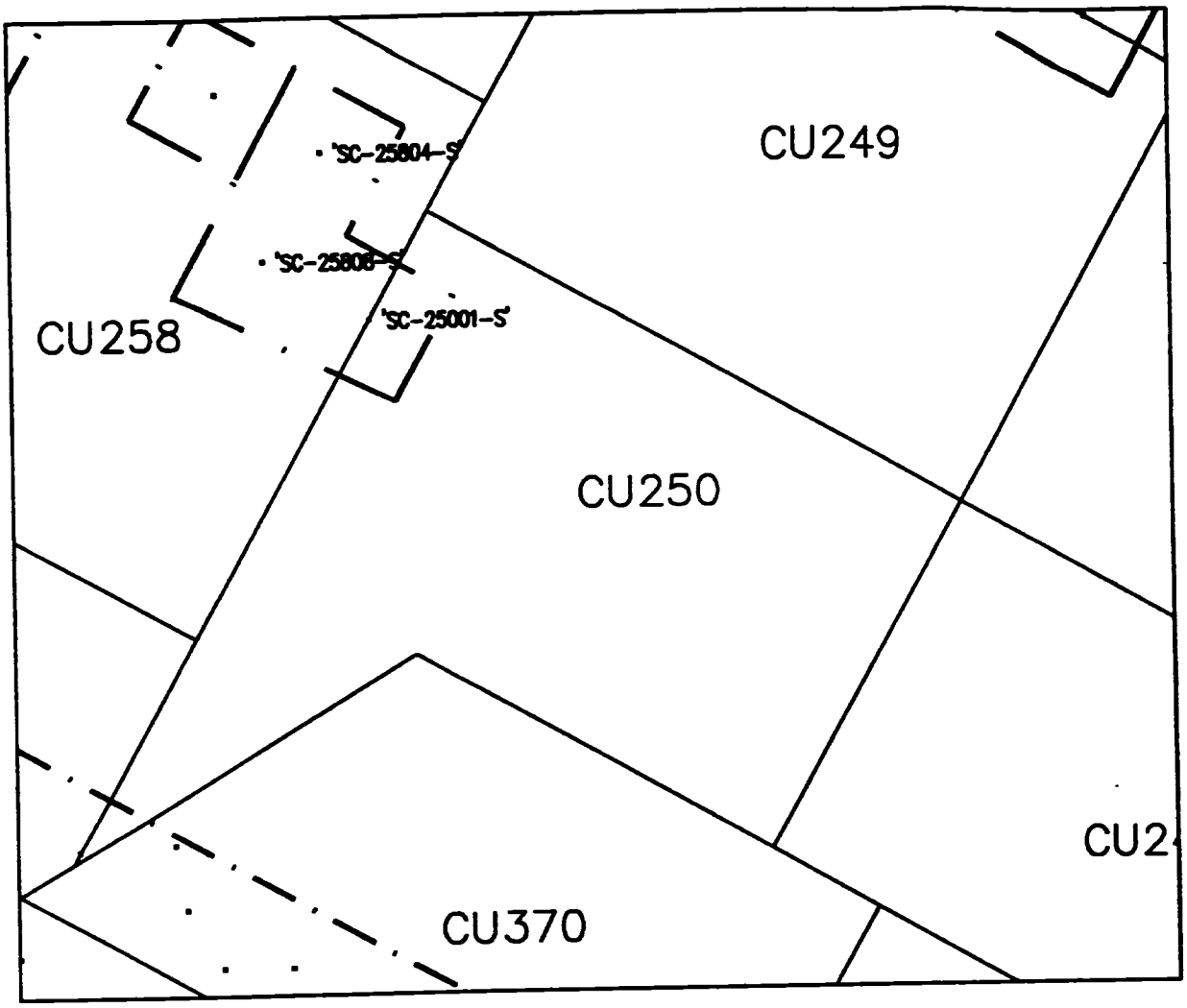
*revised map

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 250

DED CAD

Meter Model #:	2221	Detector Model #:	2x2"6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Due:	9/25/99	Calibration Due:	1/24/00
Survey Date / Time:	4/17/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T Brewer		
Comments:	All readings w/5 Bkg		

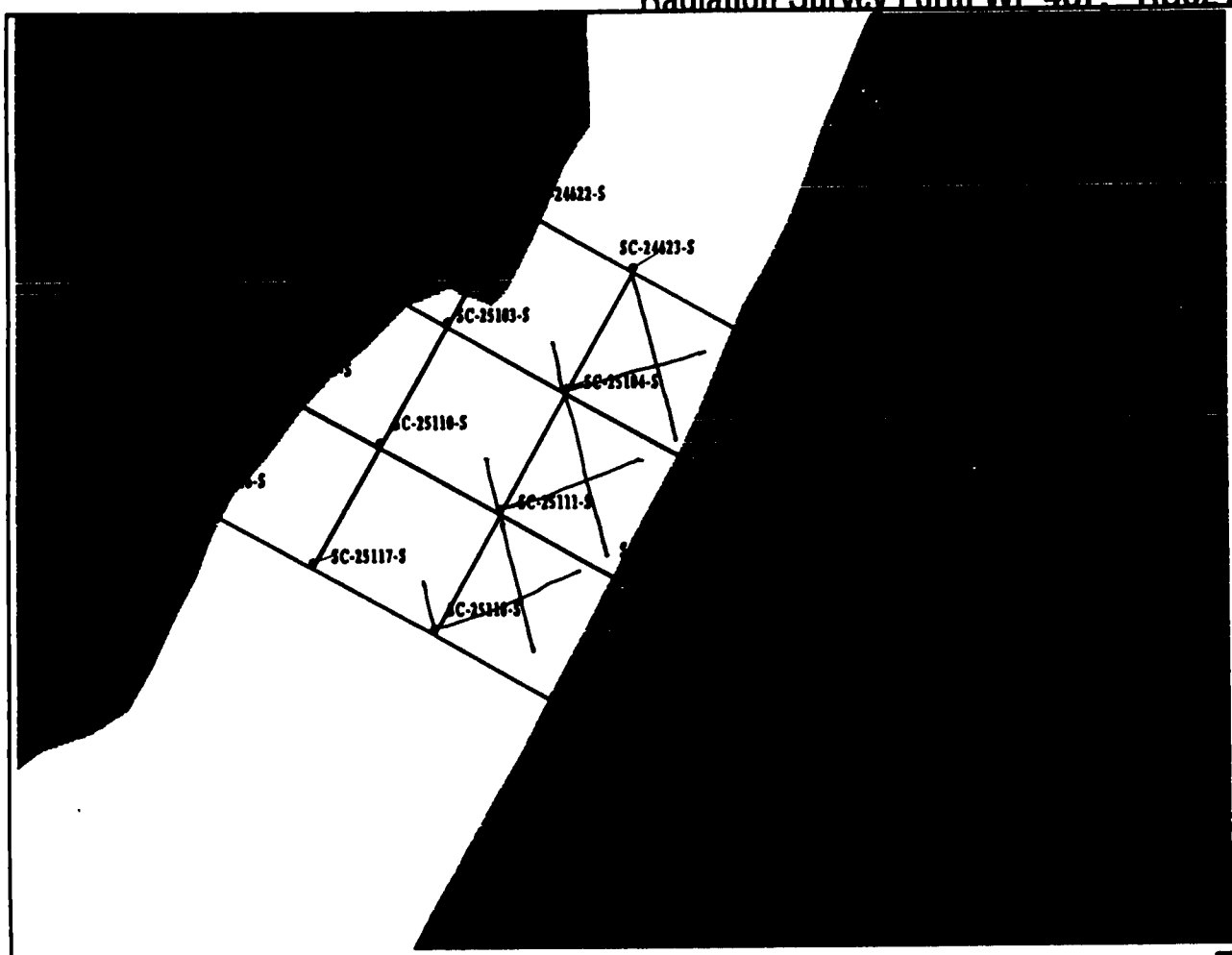
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437_ RU021CU251



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N W E S

Meter Model#: 2221 / 2221 Detector Model#: NaI 2x2"

Meter Serial#: 106696 / 117607 Detector Serial#: 130764 / 1602582

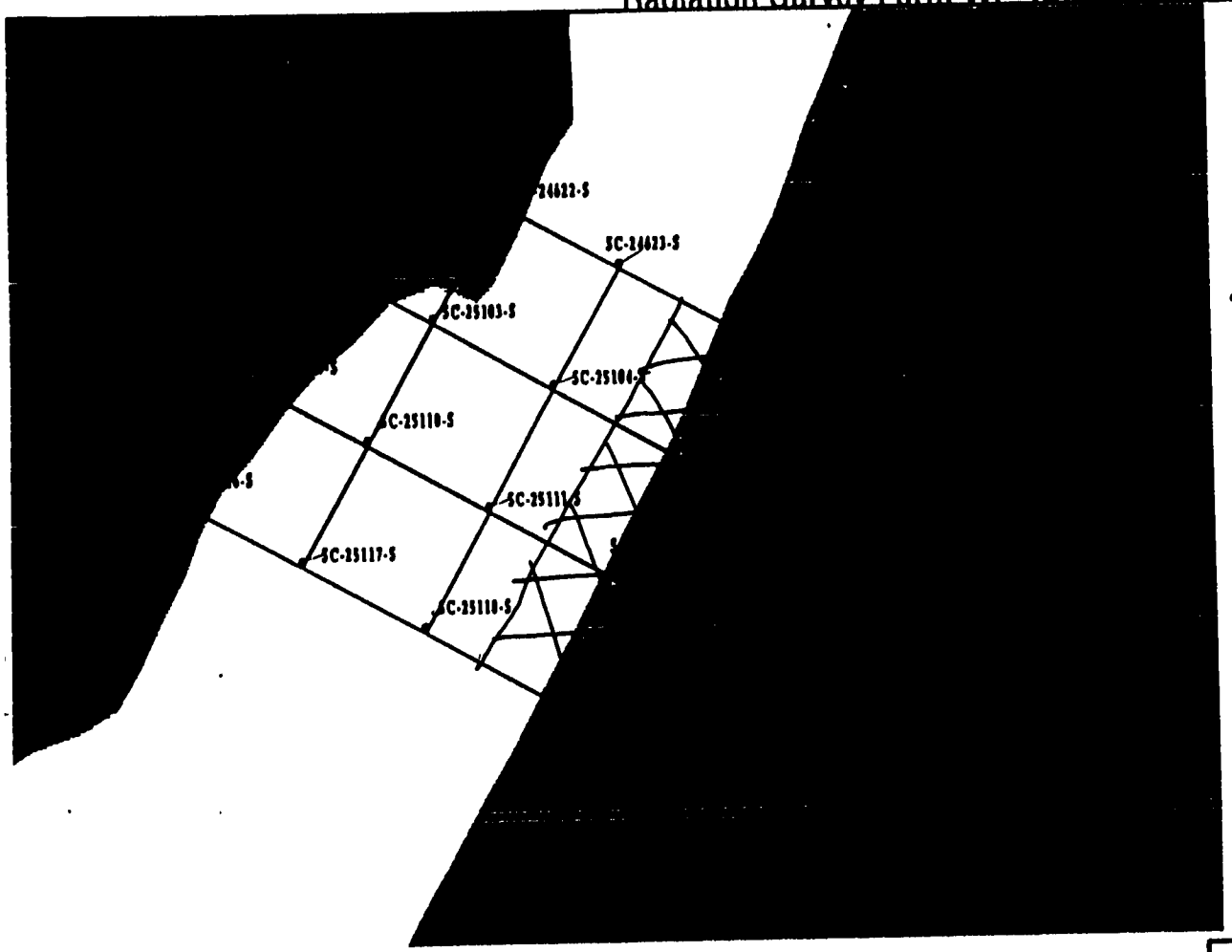
Calibration Due: 12-1-99 / 12-18-99 Calibration Due: 7-21-99 / 5-6-99

Survey Date/Time: 01-29-99 Field Bkg.: 17K / 23K

Surveyor(s): Chris Hamner / J. Rankins

Comments: Area was surveyed and found to be below 1.5 times background

Radiation Survey Form WP 437 RU021CU251



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N W E S

Meter Model#: 2221 Detector Model#: NaI 2x2

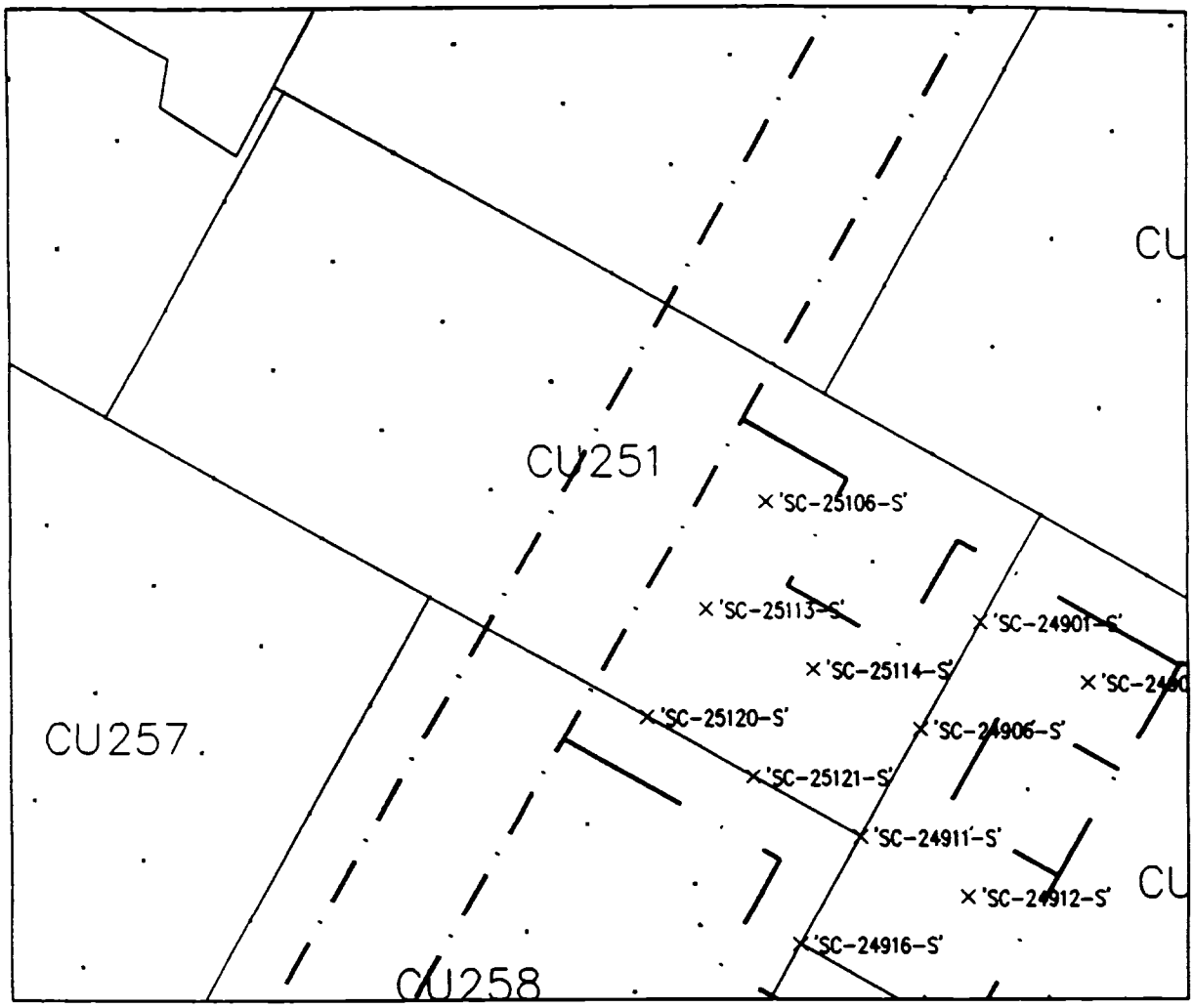
Meter Serial#: 127252 Detector Serial#: 122191

Calibration Due: 8-27-99 Calibration Due: 8-11-99

Survey Date/Time: 4-27-99 Field Bkg.: 5,000 CPM

Surveyor(s): T. Brown

Comments: All readings <1.5 times Bkg.



LEGEND

▫ 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 251

DHO CAD

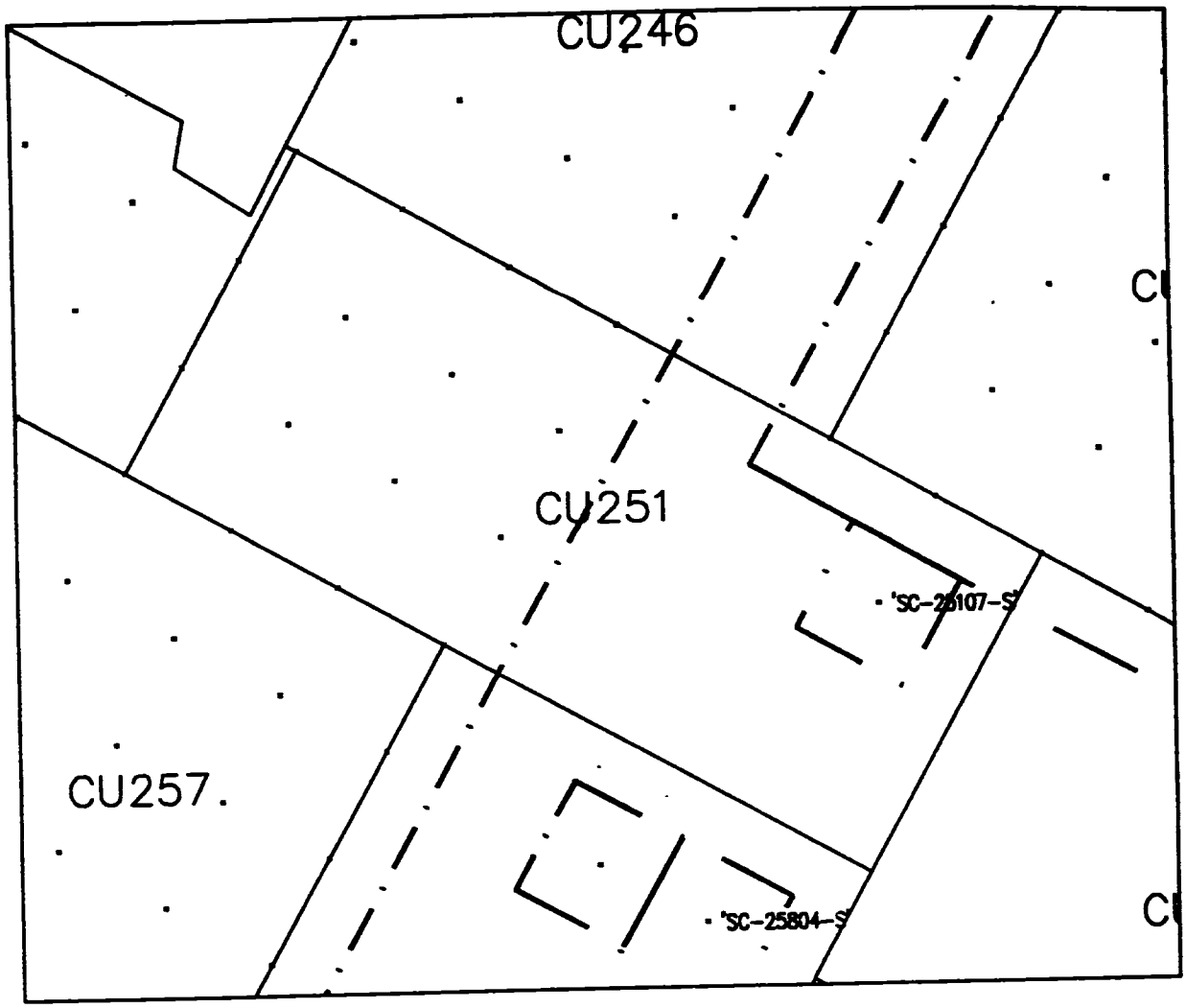
Meter Model #	2221	Detector Model #:	2x2
Meter Serial #	127252	Detector Serial #:	F
Calibration Due:	8/27/99	Calibration Due:	8/11/99
Survey Date / Time:	6/11/99	Field Bkg.	10,000 CPM
Surveyor(s).	T. Brower		
Comments.	All readings <1.5 times Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 251

DBD CAD

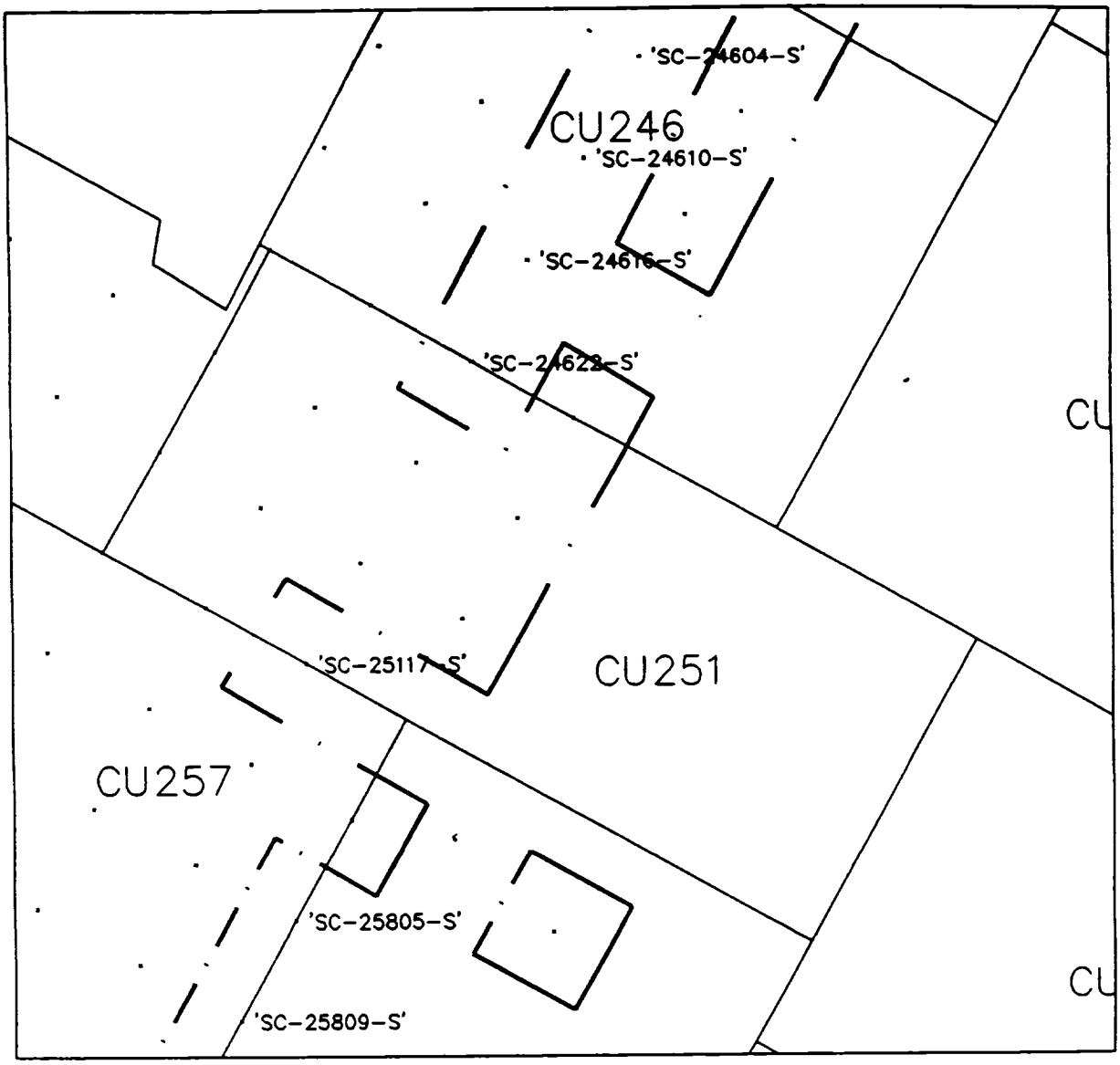
Meter Model #:	2221	Detector Model #:	2x2 "6"
Meter Serial #:	127297	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/29/00
Survey Date / Time:	6/17/99	Field Bkg.:	10,000CPM
Surveyor(s):	T. Brewer		
Comments:	All readings < 1.5 Bkg.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

• •	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 251

8-3-99

DBD CAD

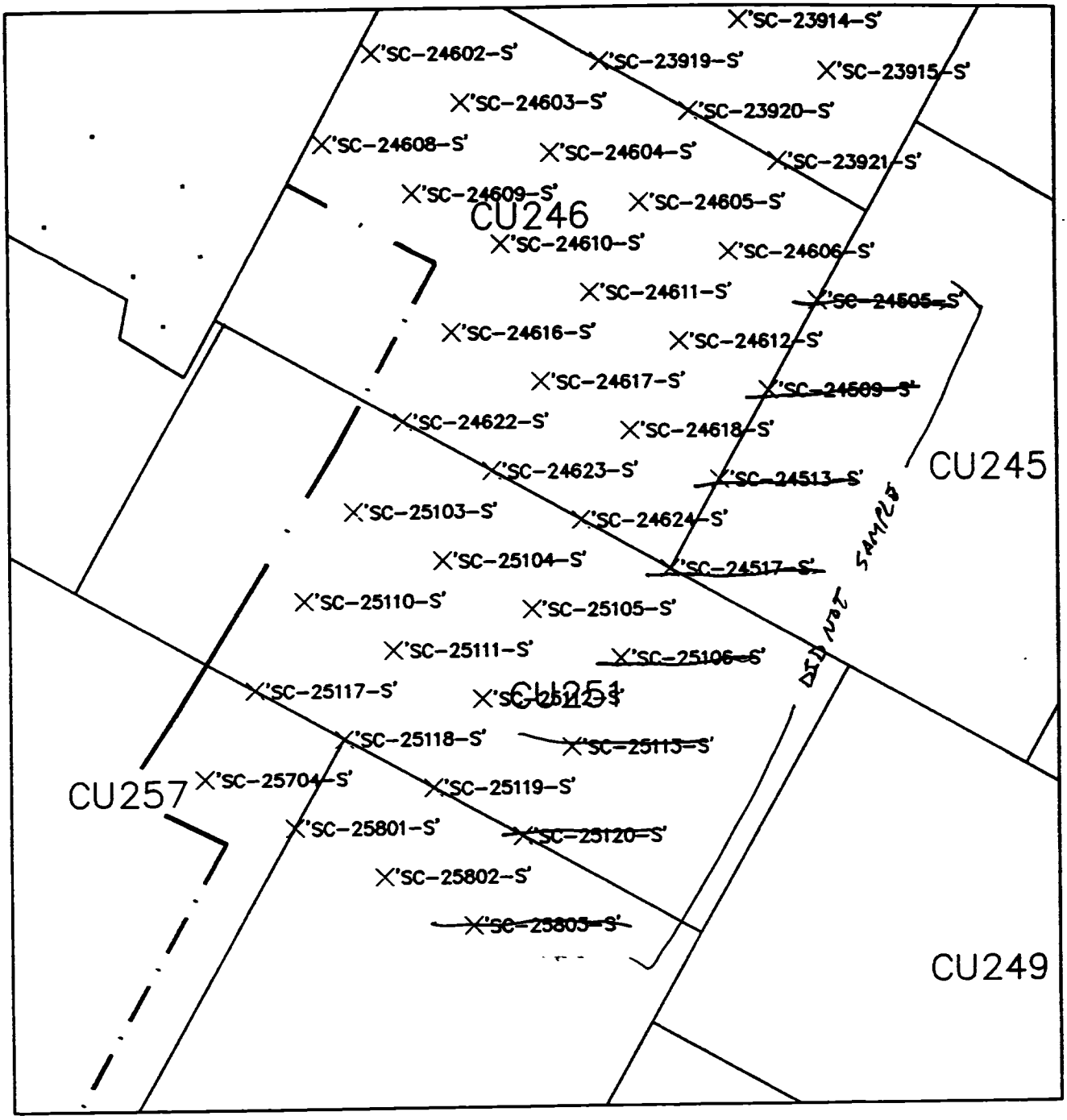
Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-23-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankin		
Comments:	All areas surveyed < 1.5 BKG		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

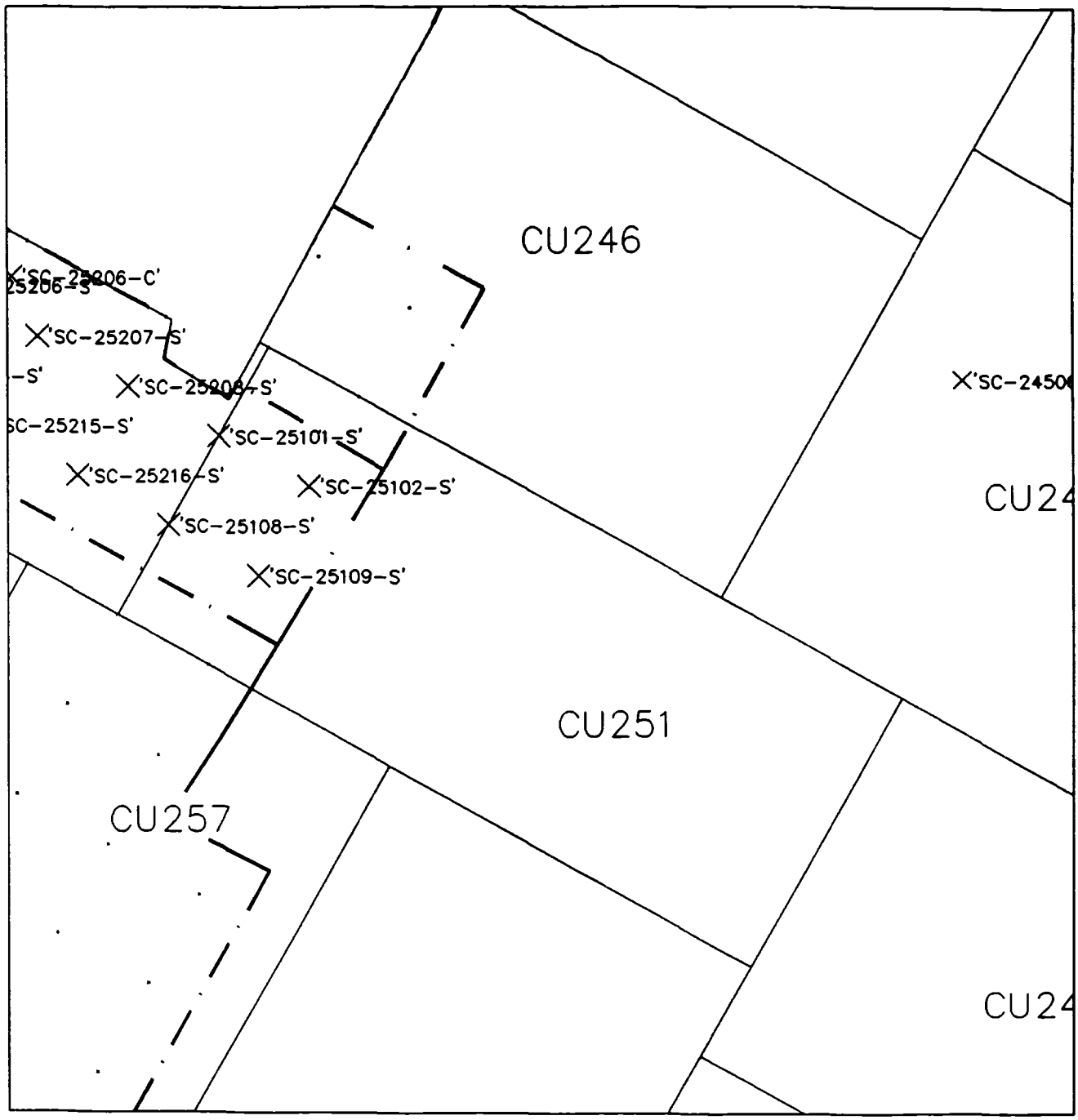
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 251

9/26/99

DBO CAD

Meter Model #:	44-10-2	Detector Model #:	2221
Meter Serial #:	130774 N	Detector Serial #:	106696
Calibration Due:	1-24-00	Calibration Due:	12-7-99
Survey Date / Time:	9-25-99 / 1600	Field Bkg.:	12,000 cpm
Surveyor(s):	D FLEMING		
Comments:	ALL AREAS SURVEYED WERE < 1.5 x BKG		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

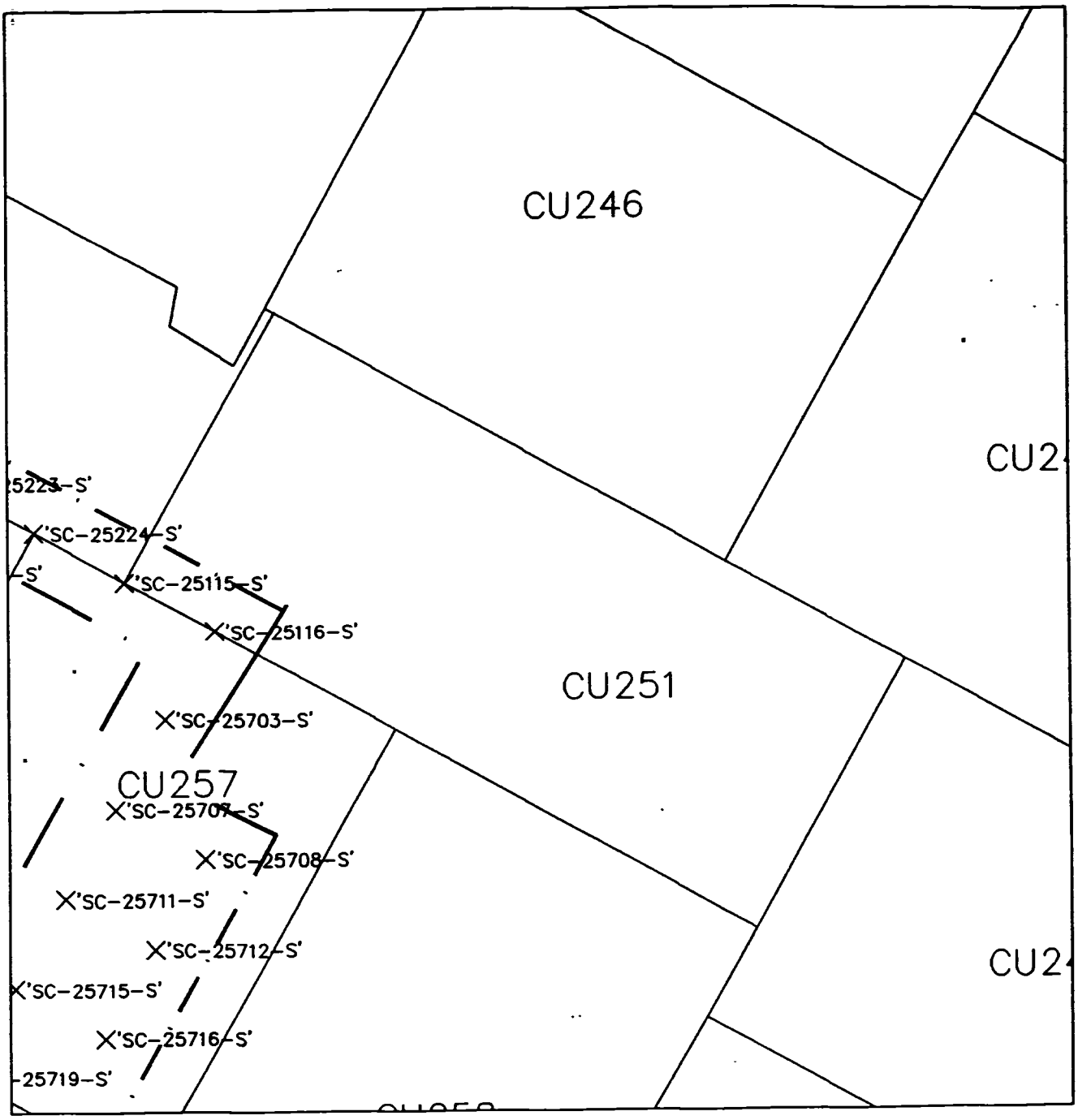
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 251

9/27/99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date / Time:	9/25/99	Field Bkg.	11,000
Surveyor(s):	T. Brown		
Comments:	All readings < 1.5 BKg		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

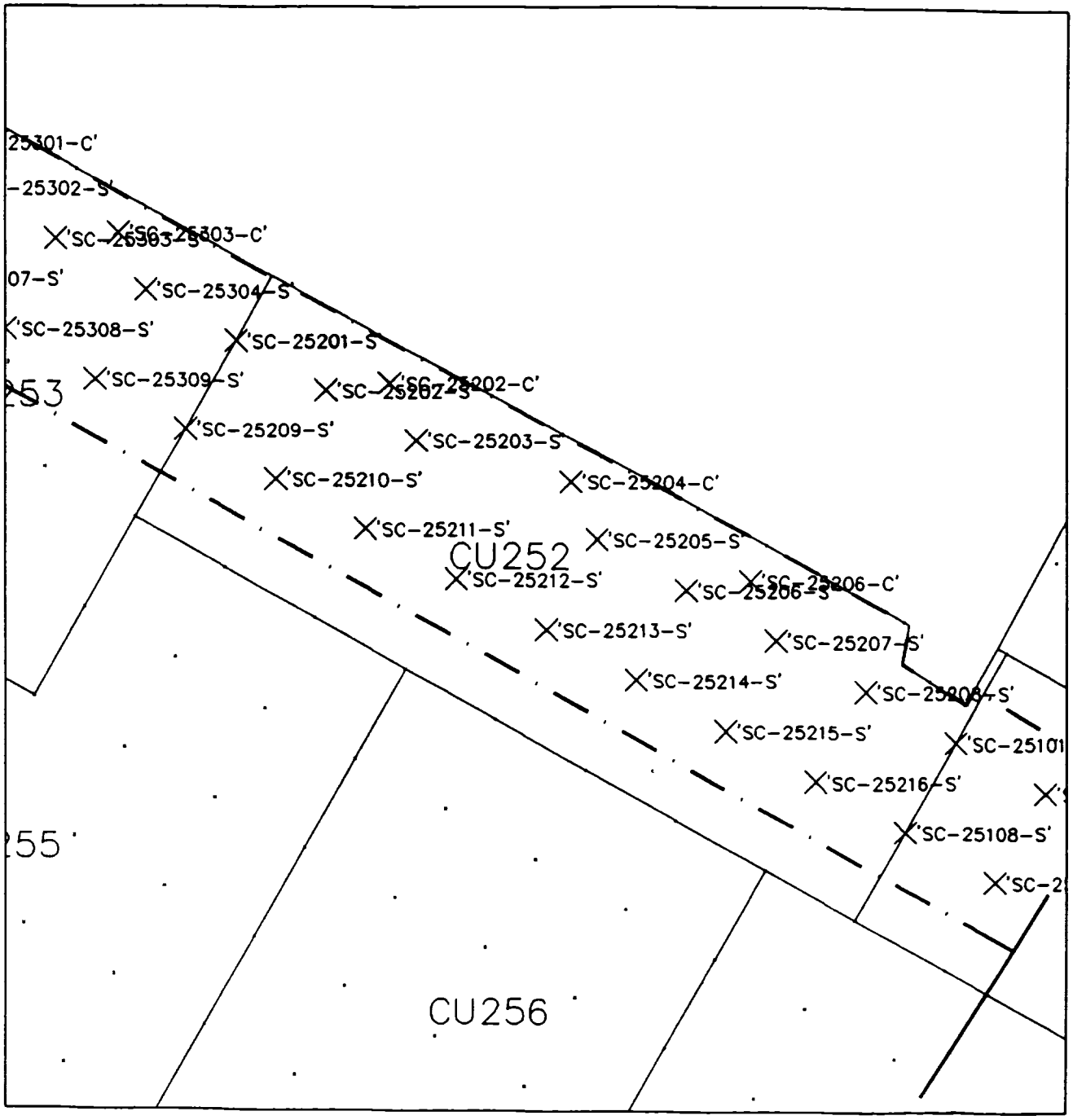
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 251

9-30-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2.2 "Ø"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Hankins		
Comments:	All meas < 1.5 BKG.		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

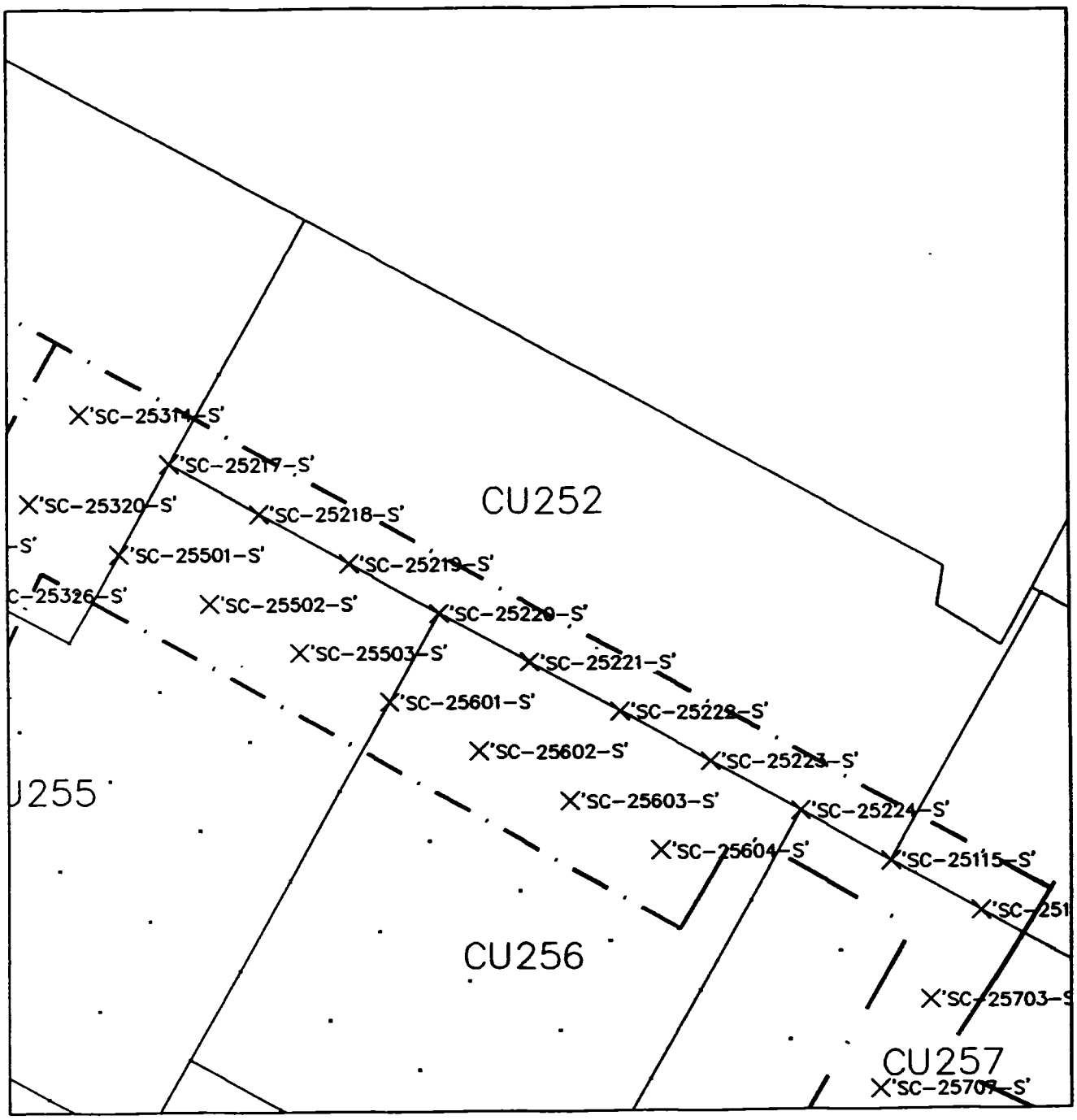
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 252

9-27-99

DHO CAD

Meter Model #.	2221	Detector Model #:	2x2 "Q"
Meter Serial #.	117607	Detector Serial #:	25143
Calibration Due	12/18/99	Calibration Due.	1/24/00
Survey Date / Time:	9/25/99	Field Bkg	11,000
Surveyor(s).	T. Brown		
Comments:	All readings <1.5 Bkg		



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

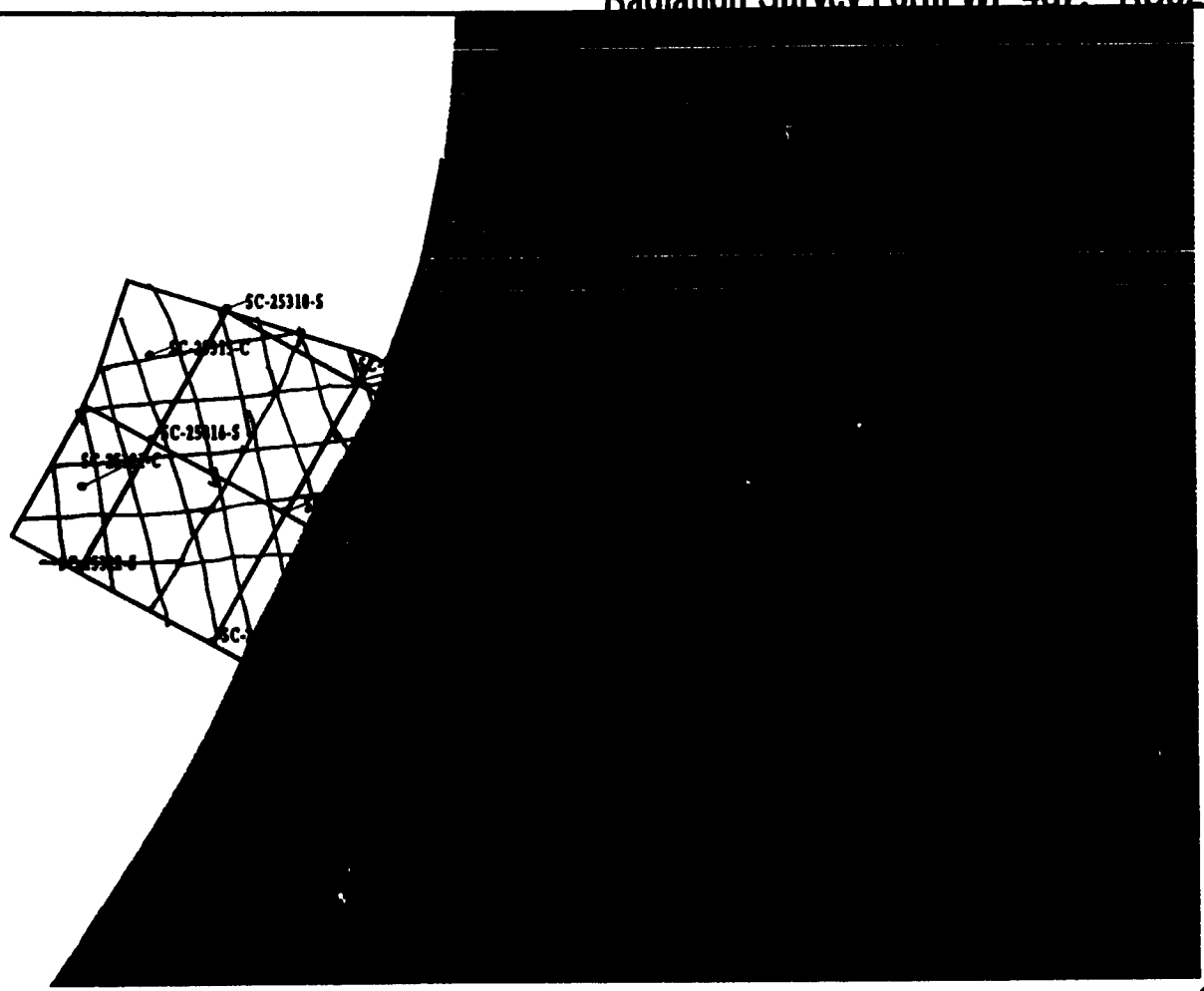
Radiation Survey Form WP 437, RU 21 CU 252

9-30-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2.2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankin		
Comments:	All meas < 1.5 BKG		

Radiation Survey Form WP 437. RU021CU253



Surveyed Area

WBSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

S

Meter Model#: 2221 Detector Model#: NaI 2x2

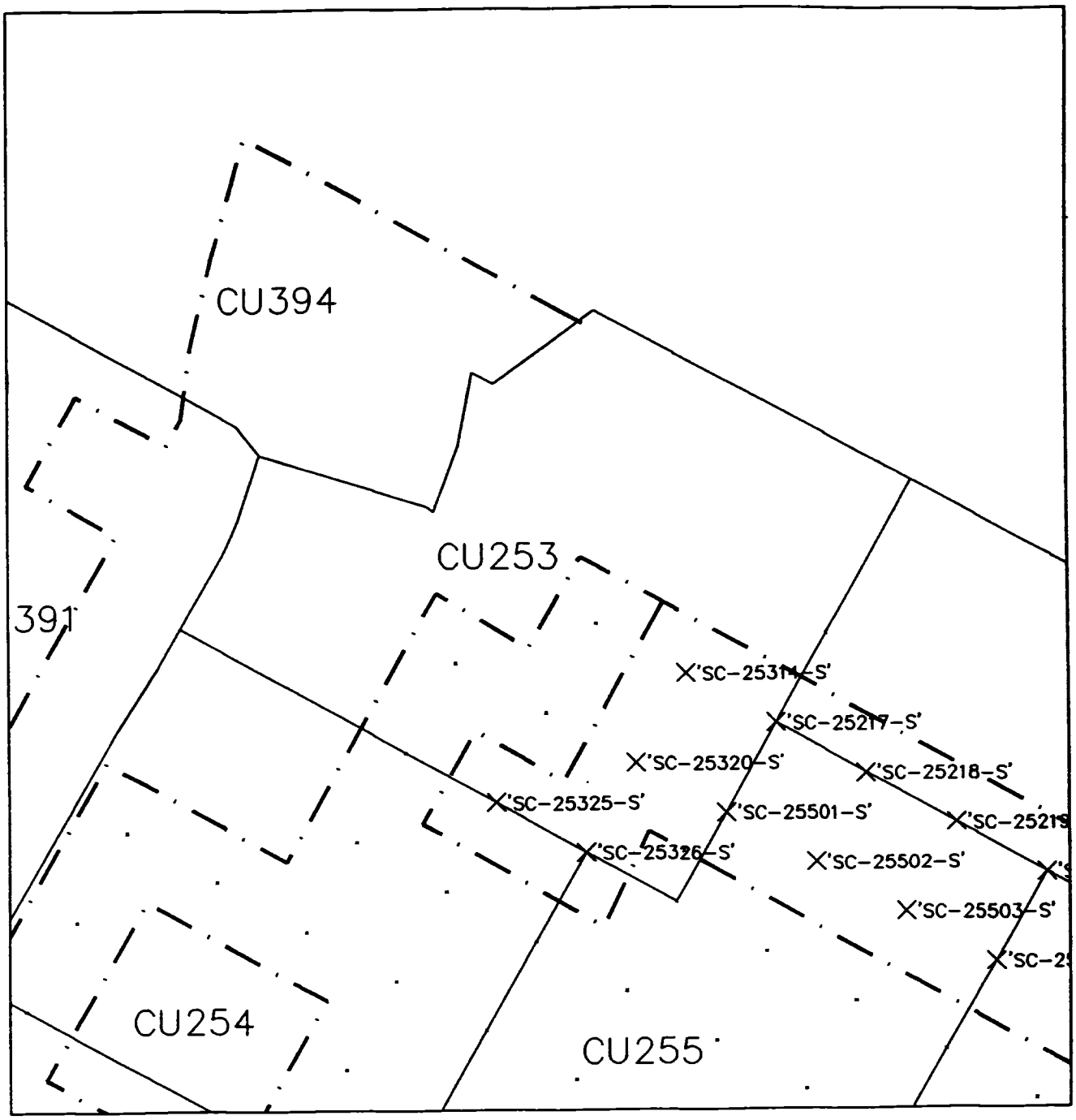
Meter Serial#: 2172 Detector Serial#: K

Calibration Due: 11.20.99 Calibration Due: 1.21.99

Survey Date/Time: 1400 10.2.98 Field Bkg.: 10K - 35K

Surveyor(s): J. Michel

Comments: Above area surveyed < 1.5X BKGD. BKGD varies due to exposed sludge in the area.



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

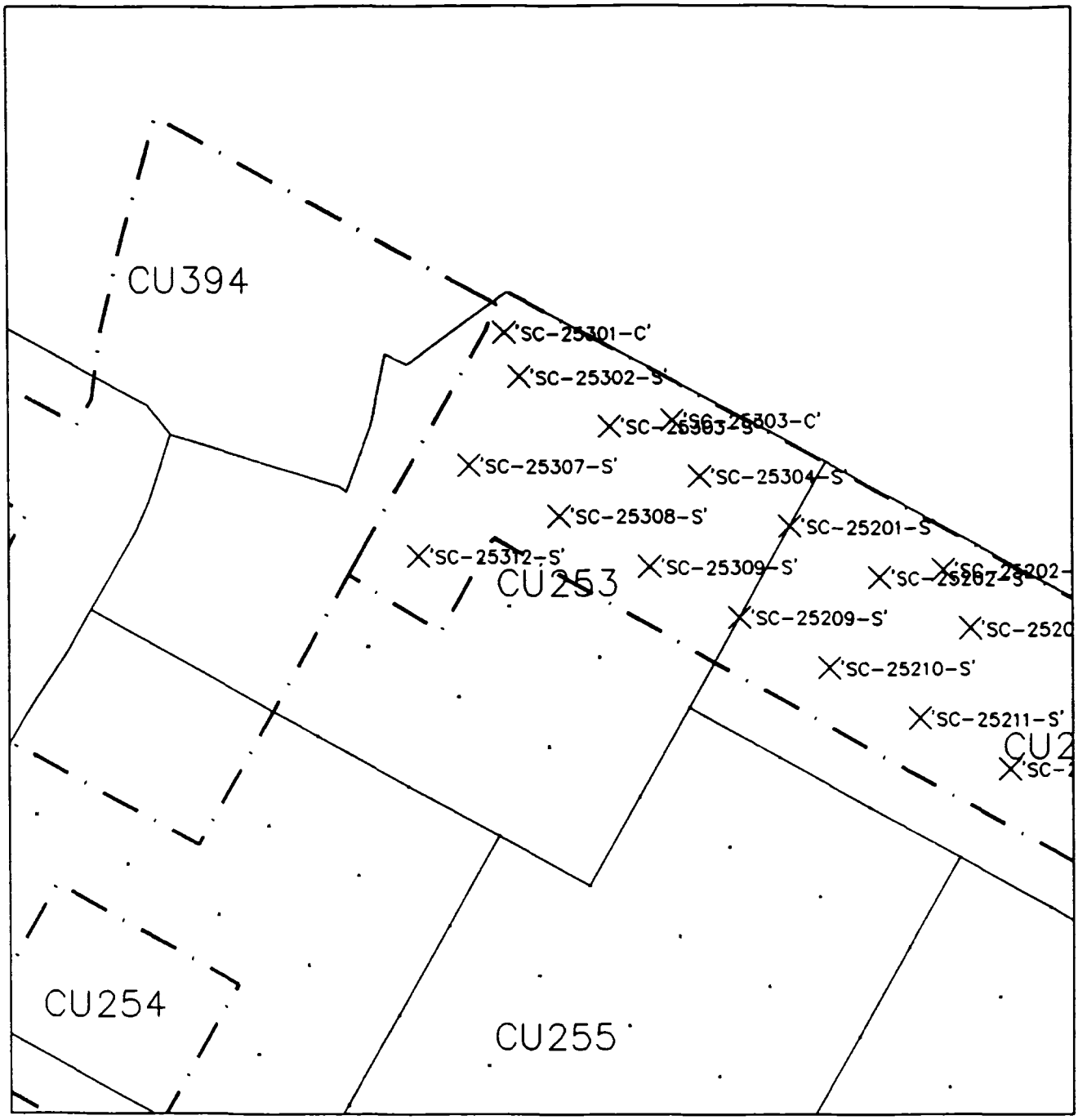
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 253

9-30-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2,2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-25-99	Field Bkg.:	11,000 cpm
Surveyor(s):	J. Rankin		
Comments:	All meas < 1.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

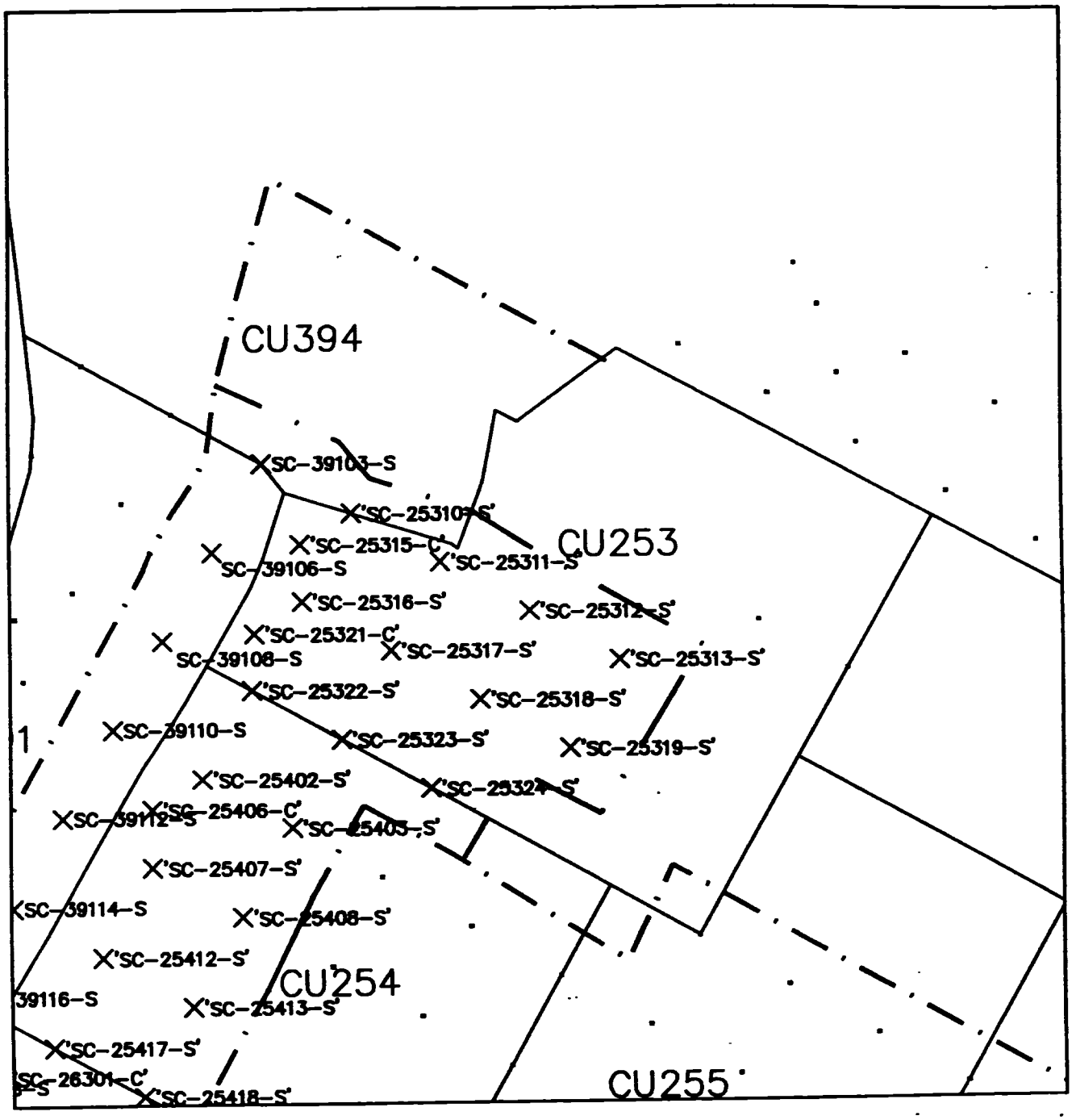
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 253

9/27/99

DHO CAD

Meter Model # :	2221	Detector Model #::	2x2 "Q"
Meter Serial # .	117607	Detector Serial #	25143
Calibration Due	12/18/99	Calibration Due:	1/24/00
Survey Date / Time:	9/25/99	Field Bkg	11,000
Surveyor(s).	T. Brown		
Comments:	All readings <1.5 BKg		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

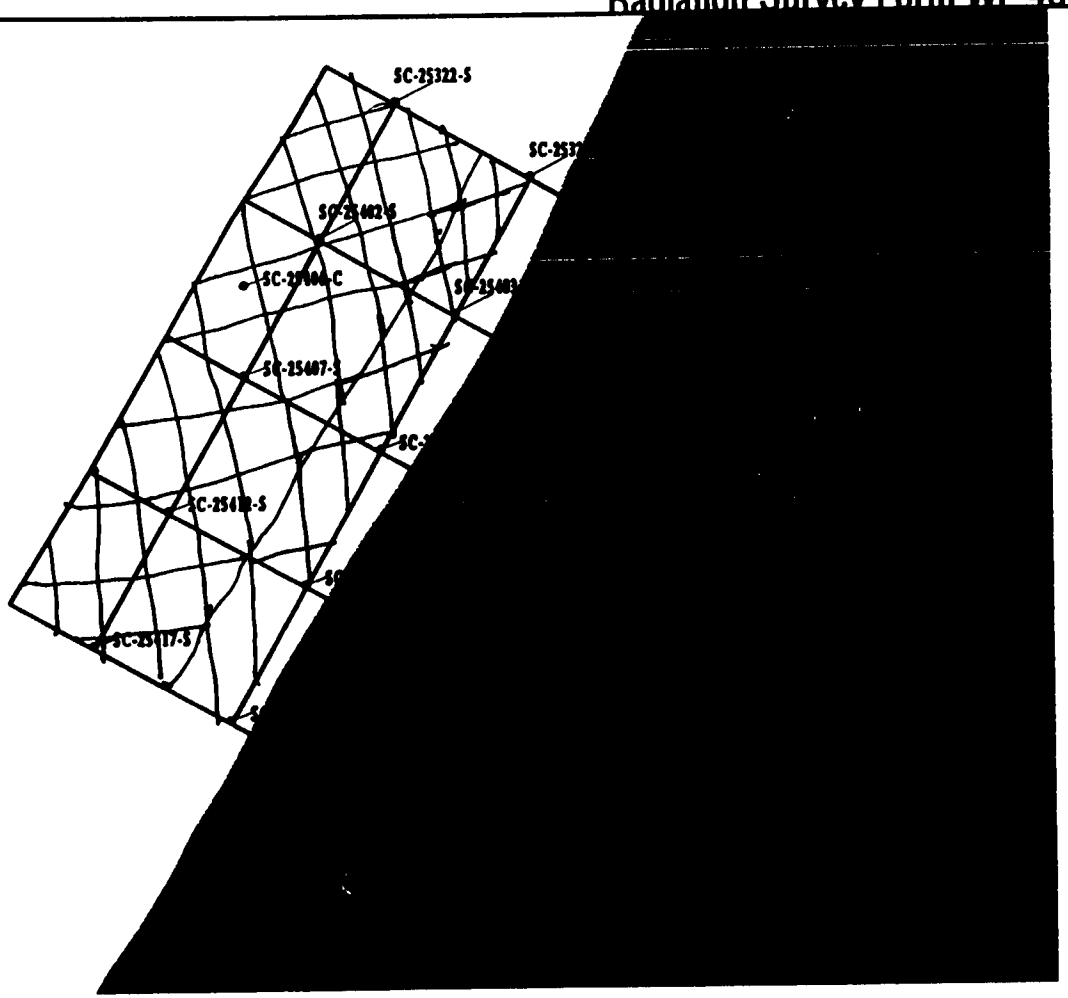
Radiation Survey Form WP 437, RU 21 **CU** 253

10-5-99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 "a"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Date:	12/18/99	Calibration Date:	1/24/00
Survey Date / Time:	9/28/99	Field Bkg.:	12,000CPM
Surveyor(s):	T. Bromer		
Comments:	All readings 41.5 BKg		

Radiation Survey Form WP 437, RU021CU254



WSSRAP GIS

15 7.5 0 15 METERS

45 22.5 0 45 FEET

N E S

Meter Model#: 2221 Detector Model#: NaI 2x2

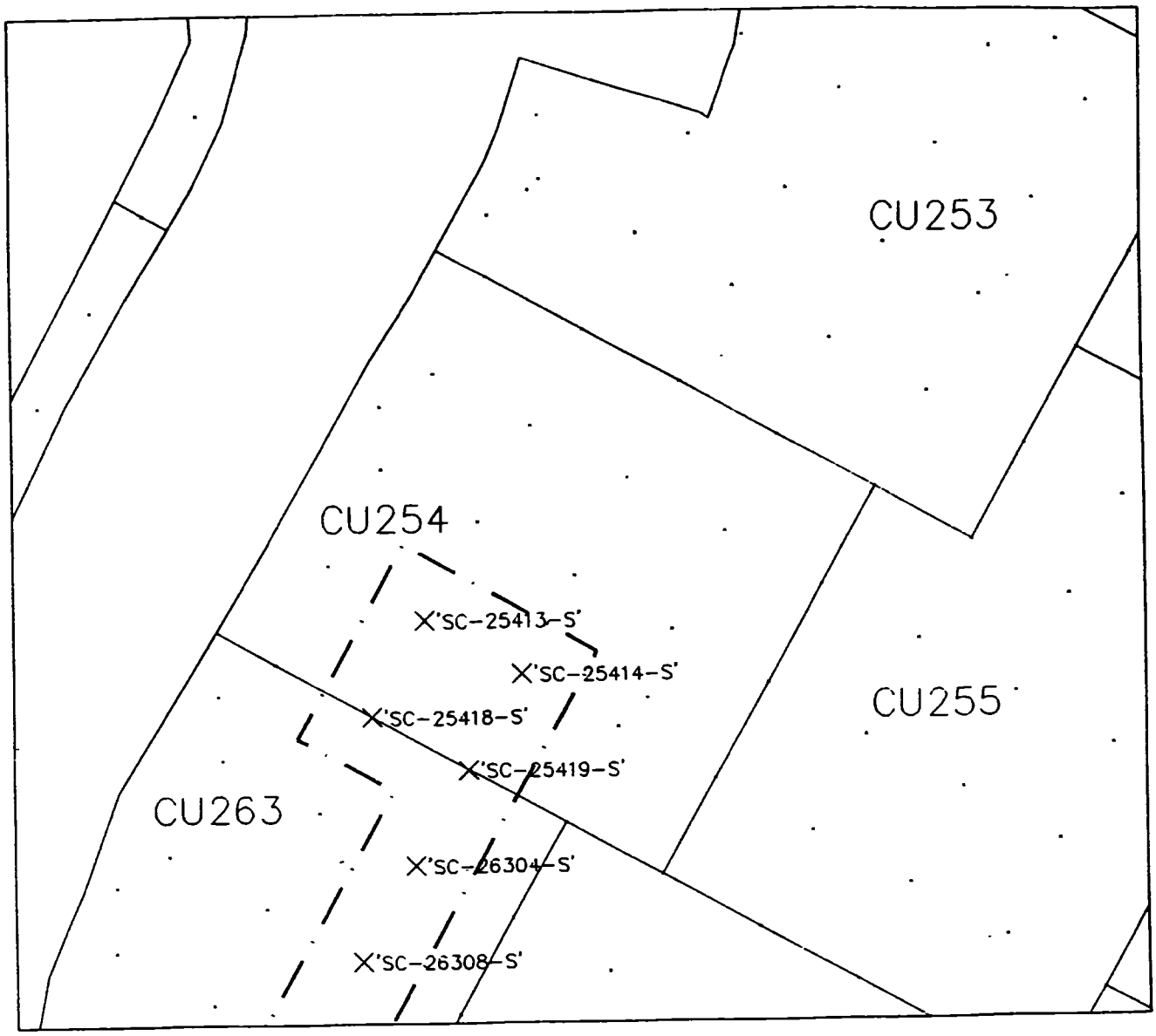
Meter Serial#: 2172 Detector Serial#: K

Calibration Due: 11.20.99 Calibration Due: 1.21.99

Survey Date/Time: 1500 10.2.98 Field Bkg.: 10K - 35K

Surveyor(s): J Michel

Comments: Area Surveyed < 1.5X Background. Background varies due to exposed sludge in the area.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 254

9-15-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date Time:	9/14/99	Field Bkg.:	12,000
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 Bkg		

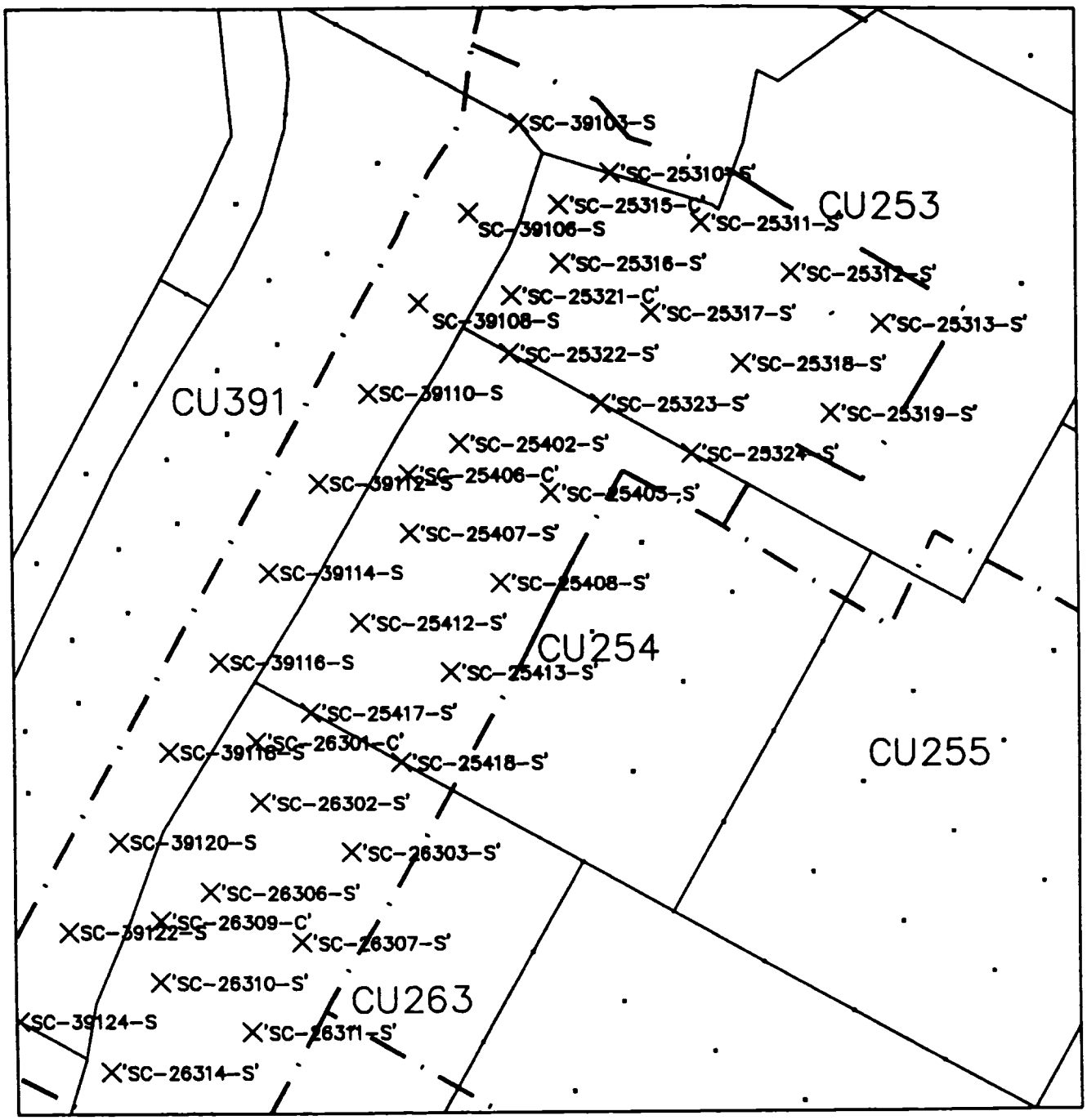
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

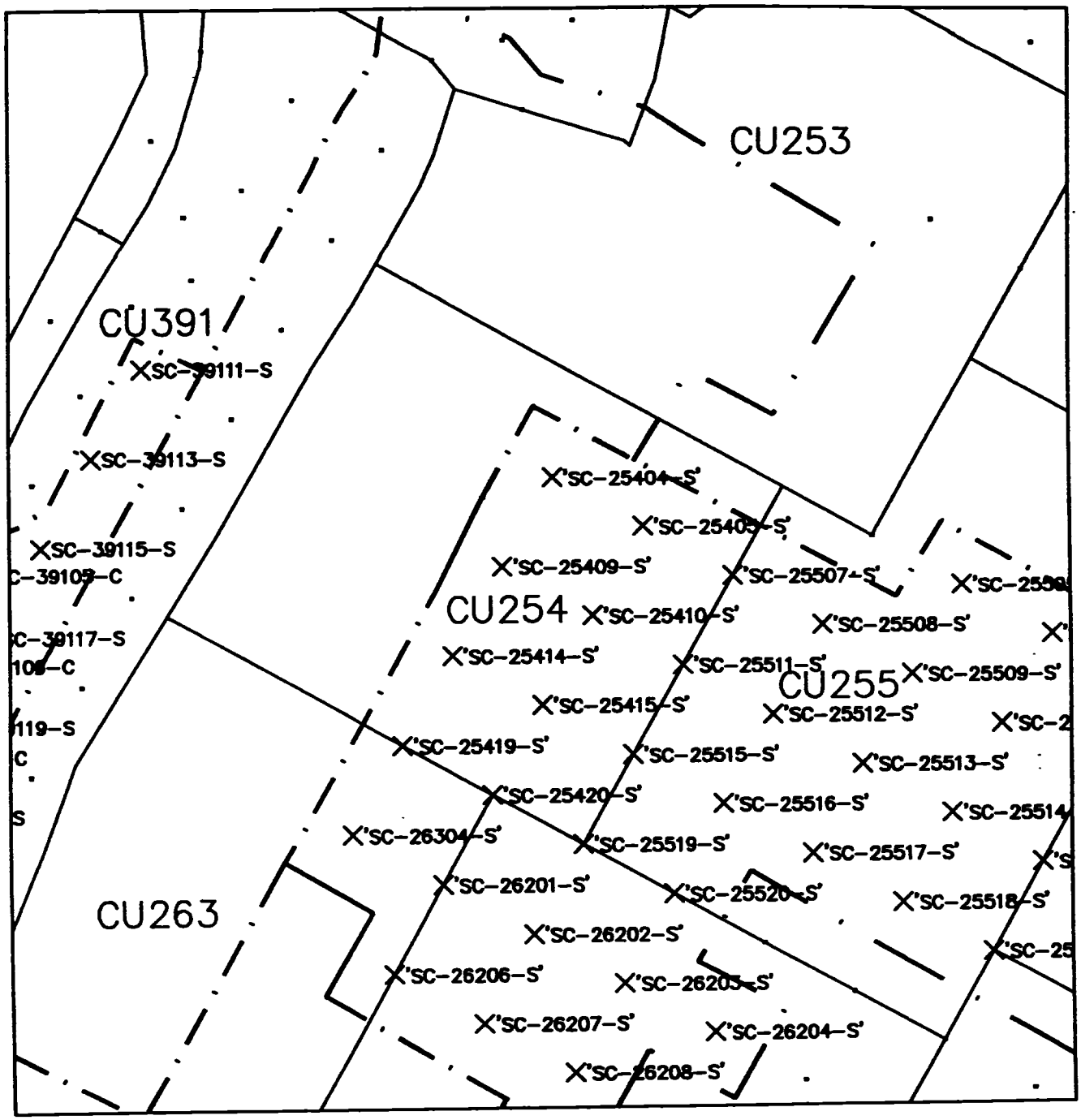
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 254

10-5-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 "Q"
Meter Serial #:	117607	Detector Serial #:	25443
Calibration Date:	12/18/99	Calibration Date:	1/24/00
Survey Date / Time:	9/28/99	Field Bkg.:	12,000 cpm
Surveyor(s):	T. Brewer		
Comments:	All readings ≤1.5 Bkg		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

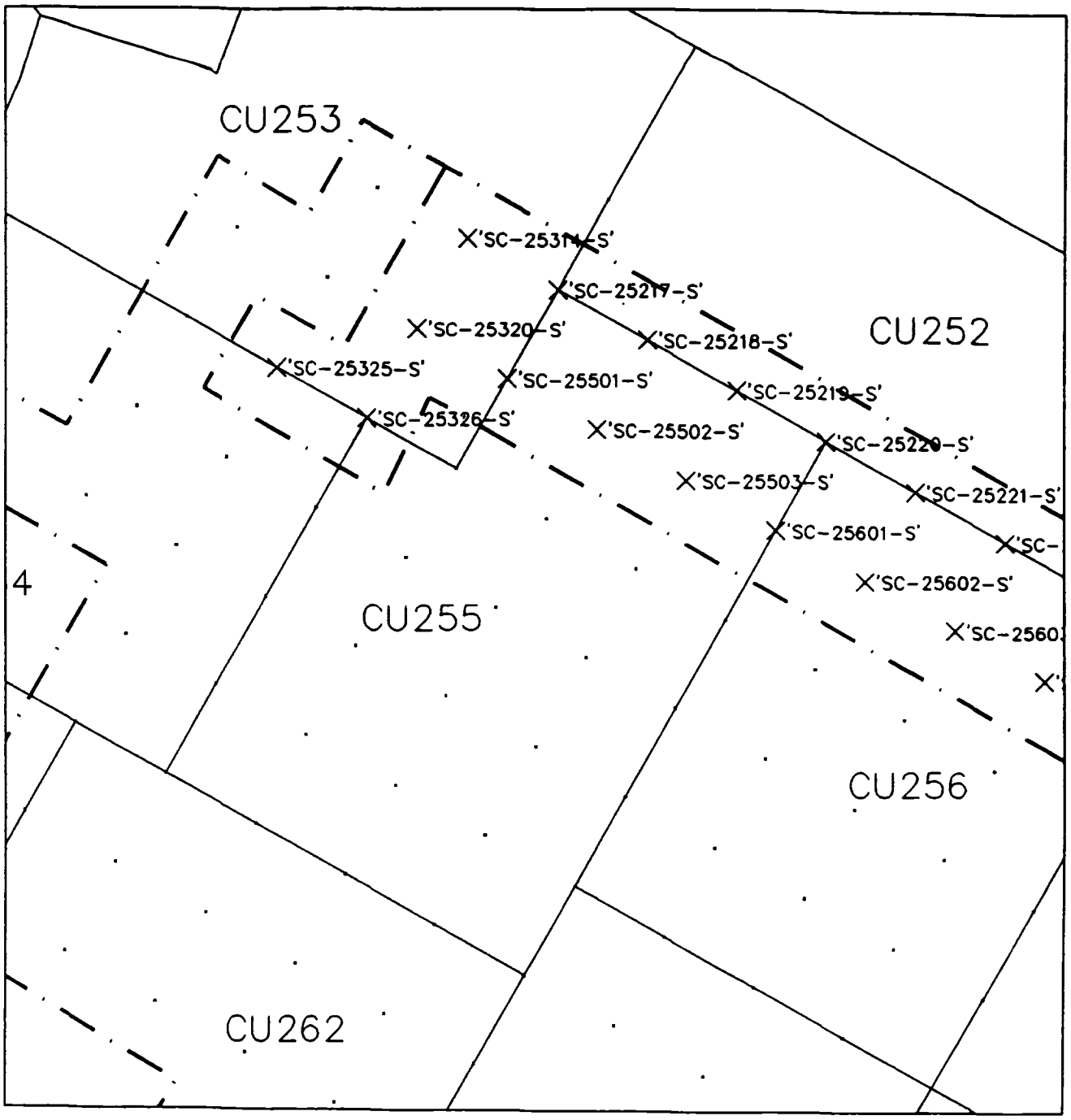
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 254

10/11/99

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2 "6"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Date:	1/24/00
Survey Date / Time:	10/7/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 BKg		



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

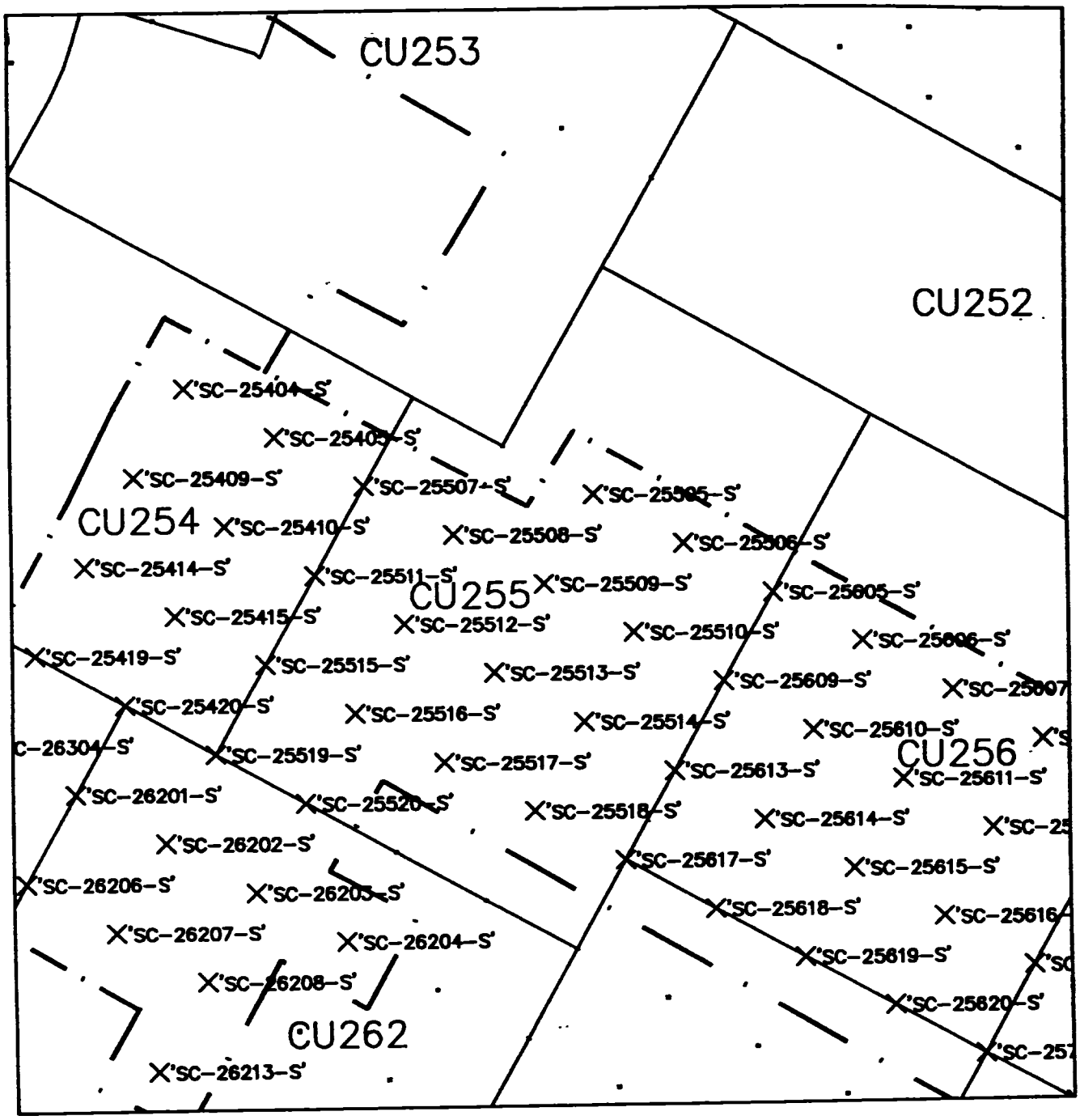
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 255

9-30-99

DHO CAD

Meter Model # :	2221	Detector Model #:	2x2 "Q"
Meter Serial # .	117607	Detector Serial #:	25143
Calibration Due.	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg..	12,000 cpm
Surveyor(s)	J. Rankin		
Comments:	All areas < 1.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

SC-32606-S SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

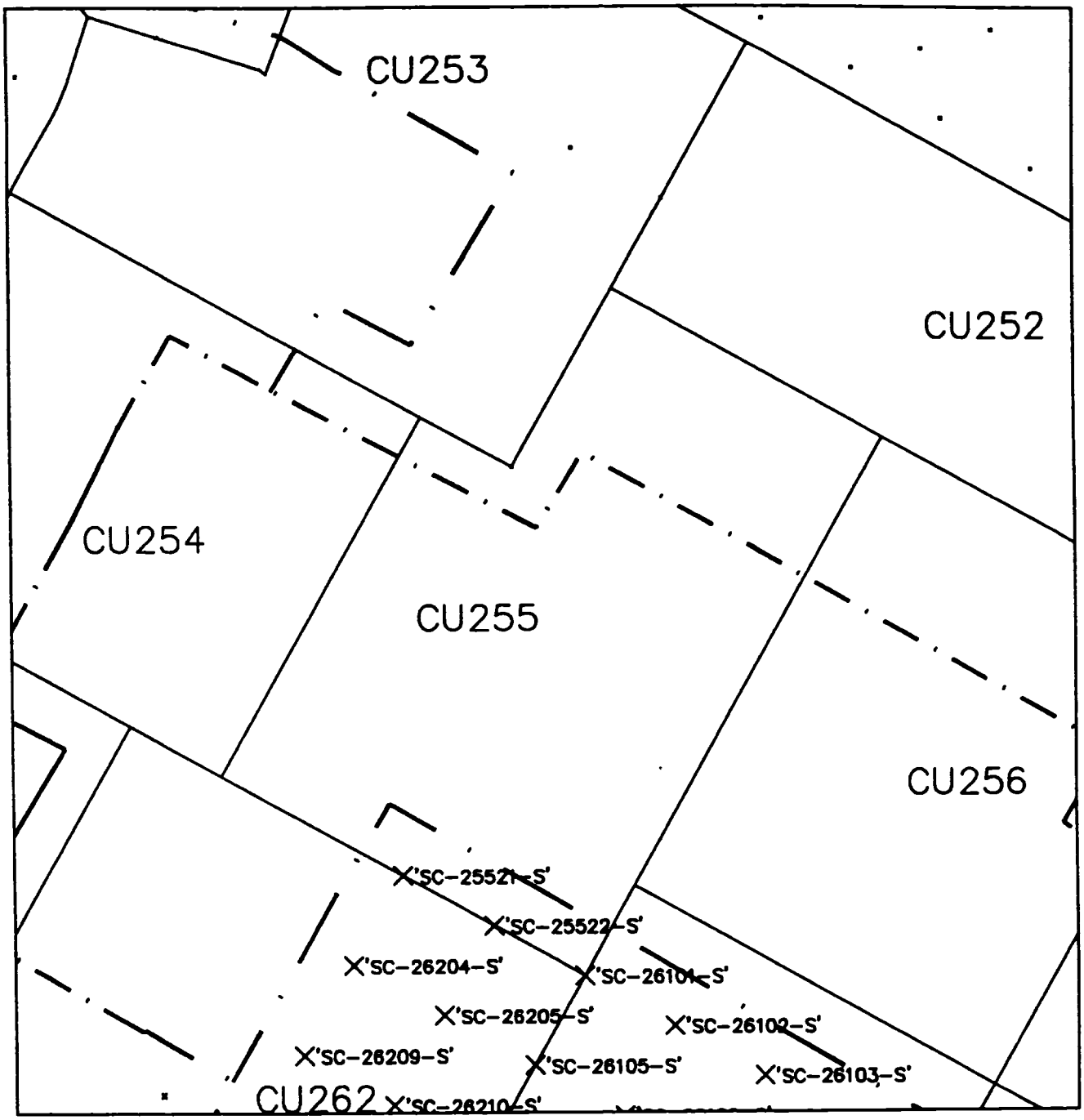
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 255

10/11/99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2"6"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Date:	1/24/00
Survey Date / Time:	10/7/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 Bkg		



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

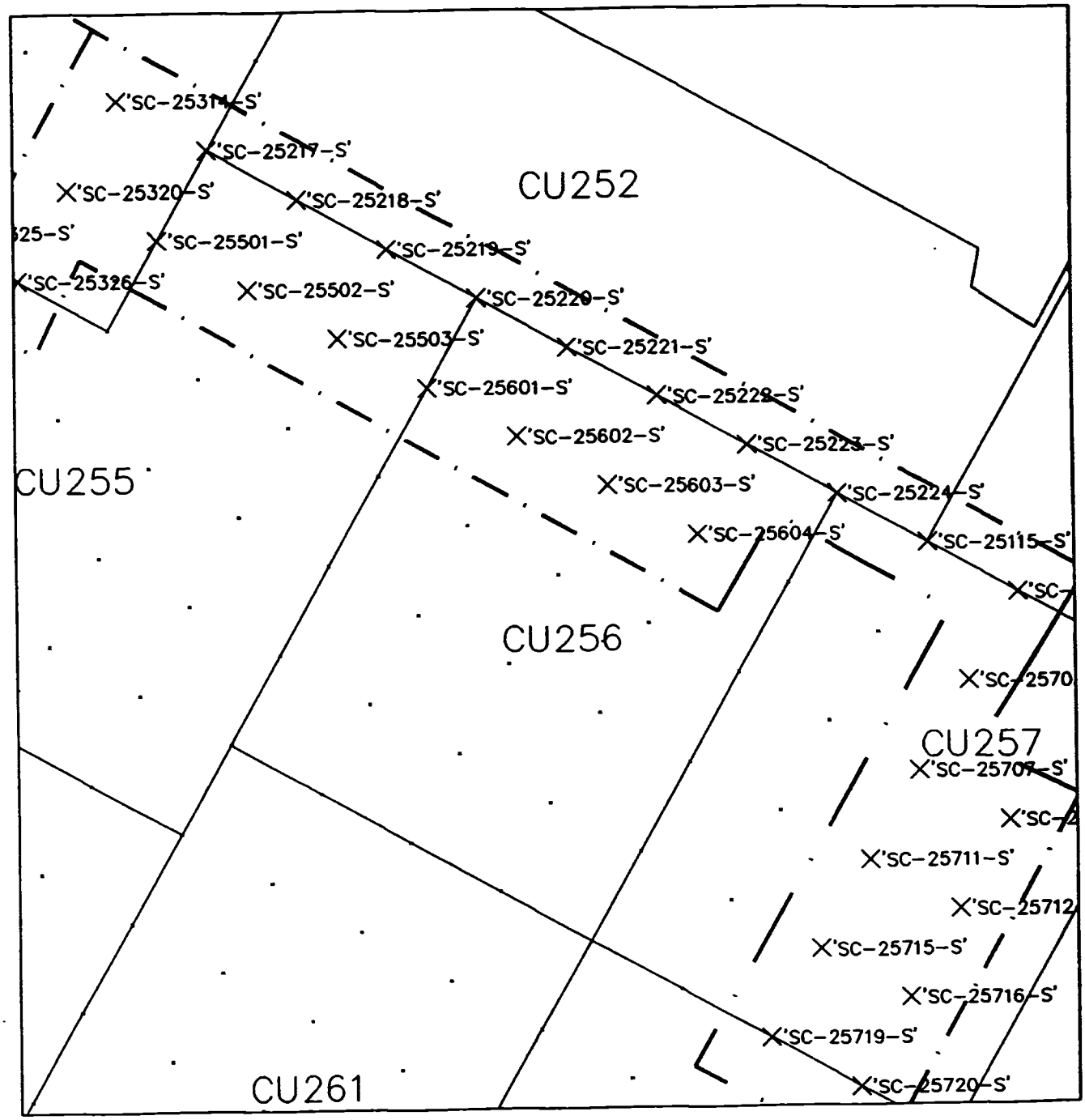
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 255

10-13-99

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Date:	9-2-00	Calibration Date:	1-24-00
Survey Date / Time:	10/11/99	Field Bkg.:	10K cpm
Surveyor(s):	J. Perkins, C. Hamer		
Comments:	All readings Relative 1.5 X BKGD		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

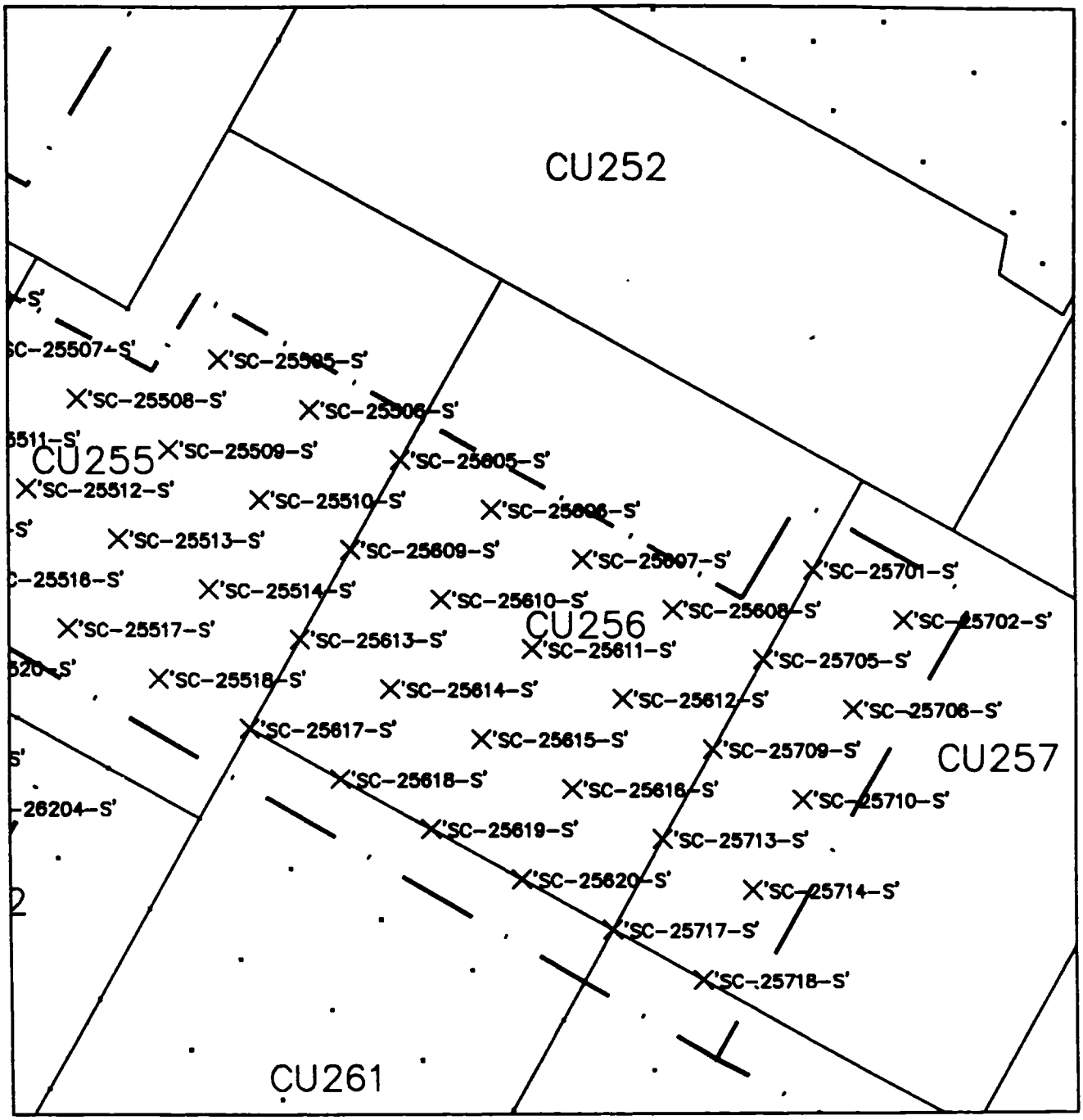
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 256

9-30-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-25-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Jenkins		
Comments:	All mean < 1.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

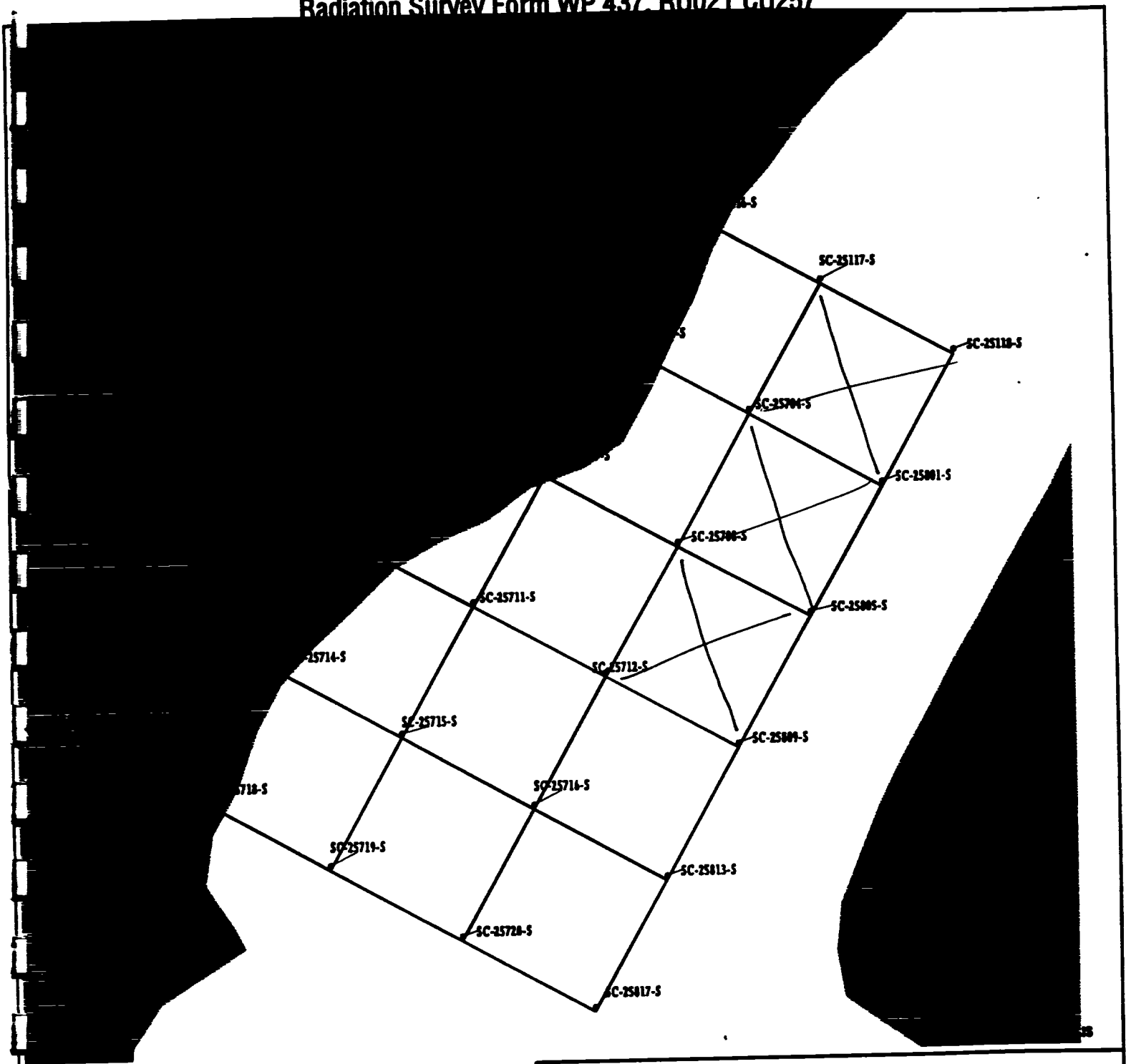
Radiation Survey Form WP 437, RU 21 CU 256

10/11/99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2"G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Date:	9/2/00	Calibration Date:	1/24/00
Survey Date / Time:	10/7/99	Field Bkg.:	10,000 cpm
Surveyor(s):	J. Brewer		
Comments:	All readings w/.5 Bkg		

Radiation Survey Form WP 437, RU021 CU257



15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221 / 2221

Meter Serial#: 106696 / 117607

Calibration Due: 12-1-99 / 12-18-99

Survey Date/Time: 01-29-99

Surveyor(s): J. Rankin / Chris Hamner

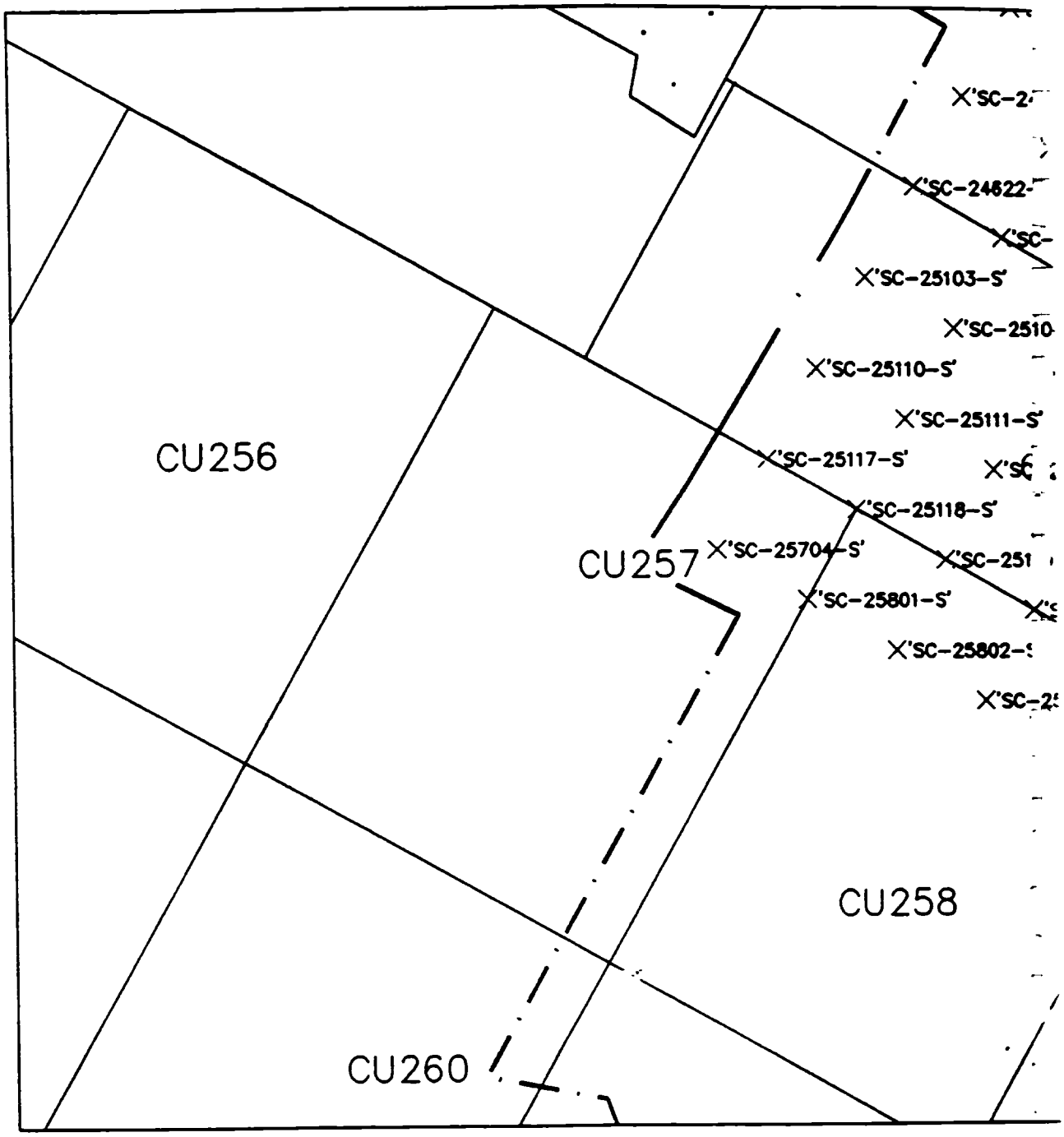
Detector Model#: NaI 2x2

Detector Serial#: 130764 / 1602582

Calibration Due: 7-21-99 / 5-6-99

Field Bkg.: 12 K / 23 K

Comments: Area was surveyed and found to be below 1.5 times background



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

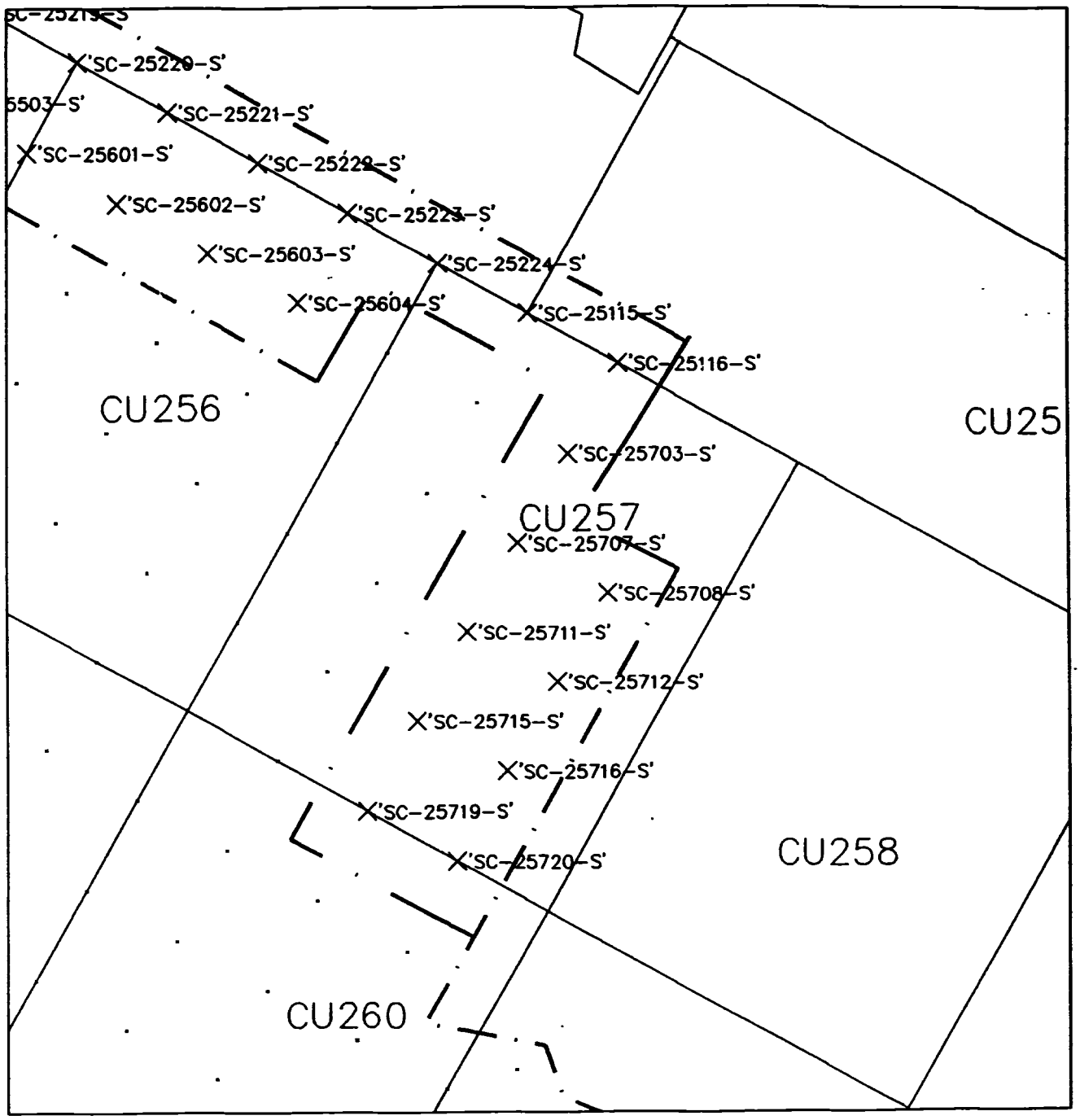
(IN FEET)

1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 257

9/26/99

Meter Model #:	44-10-2	Detector Model #:	22
Meter Serial #:	130774 N	Detector Serial #:	106696
Calibration Date:	1-24-00	Calibration Date:	12-1-
Survey Date / Time:	9-25-99/1600	Field Bkg.:	12
Surveyor(s):	D FLEMING		
Comments:	ALL AREAS SURVEYED WERE < 1.5 x BKG		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

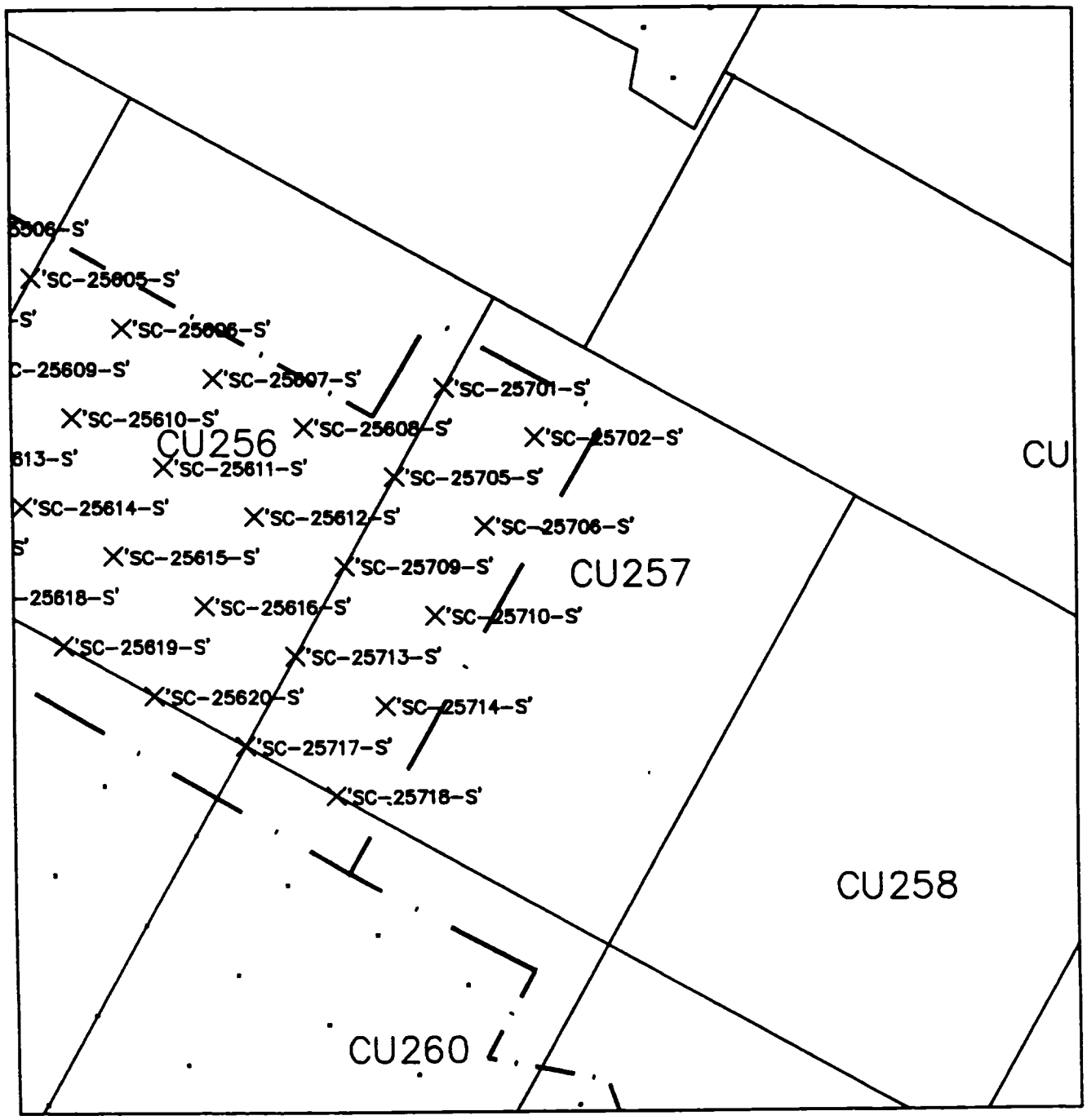
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 257

9-30-99

DEHO CAD

Meter Model #:	2221	Detector Model #:	2+2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-25-99	Field Bkg.:	11,000 cpm
Surveyor(s):	[illegible]		
Comments:	All areas < 1.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

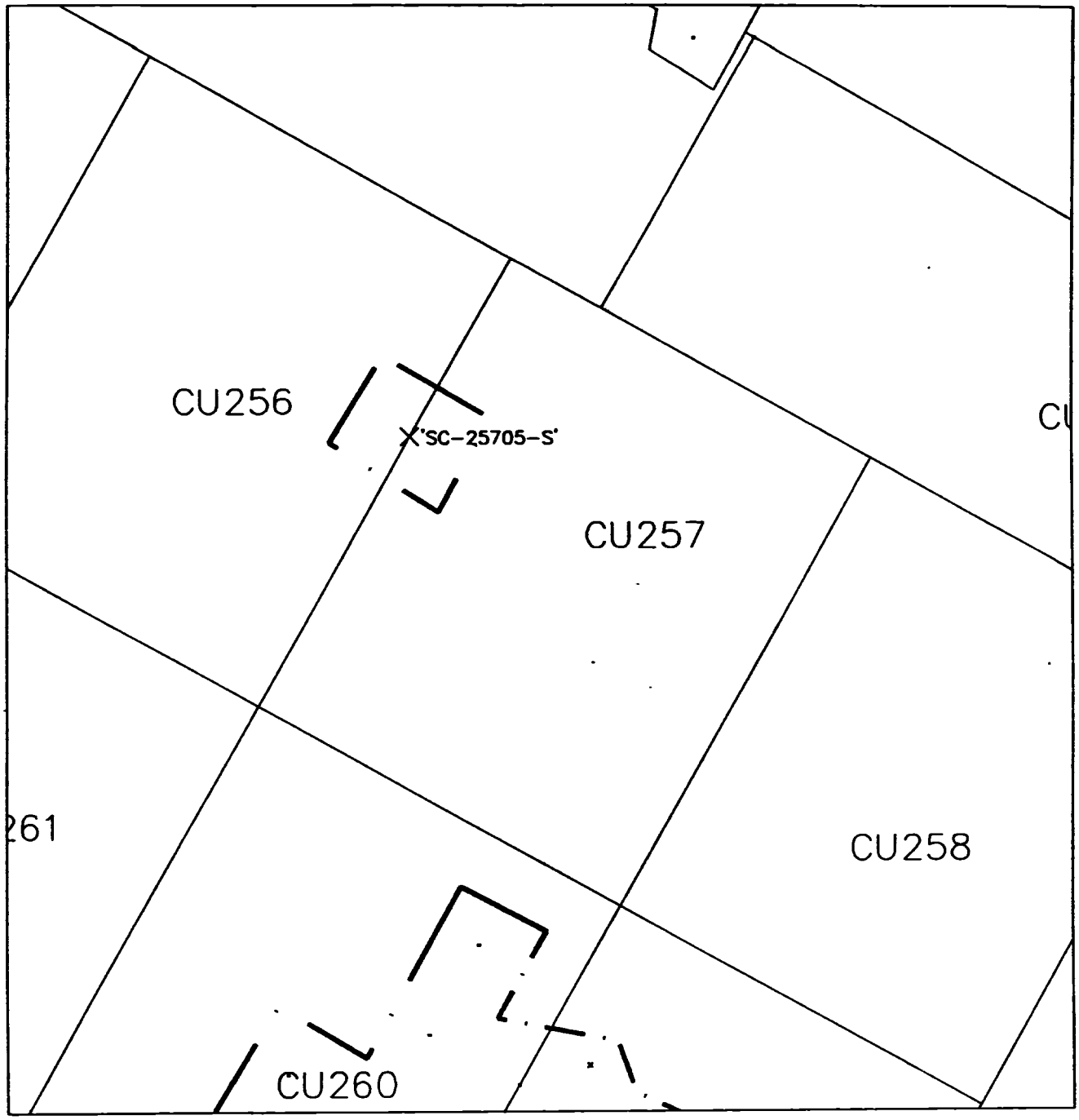
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 257

10/11/99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 "G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Due:	1/24/00
Survey Date / Time:	10/7/99	Field Bkg.:	10,000
Surveyor(s):	T. Brown		
Comments:	All readings <1.5 Bkg		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

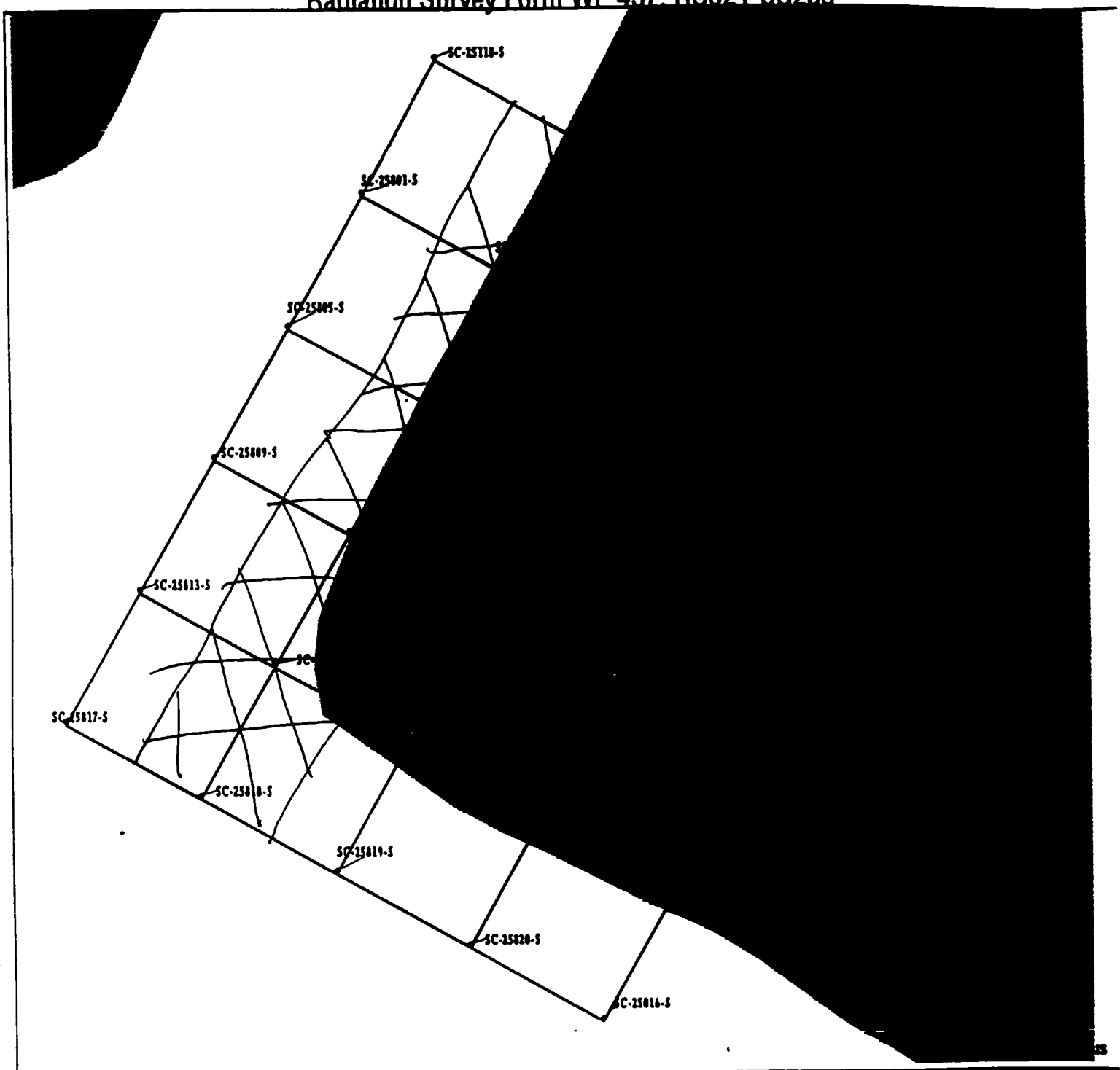
Radiation Survey Form WP 437, RU 21 **CU** 257

10-22-99

DEO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	127252	Detector Serial #:	DE-4241
Calibration Due:	9-2-00	Calibration Due:	01-24-00
Survey Date / Time:	10-18-99	Field Bkg.:	10,000 cpm
Surveyor(s):	J. Rank		
Comments:	All areas < 1.5 BKG.		

Radiation Survey Form WP 437, RU021 CU258



15 7.5 0 METERS

45 22.5 0 FEET

Meter Model#: 2221

Meter Serial#: 122252

Calibration Due: 8-27-99

Survey Date/Time: 4-27-99

Surveyor(s): T. Brower

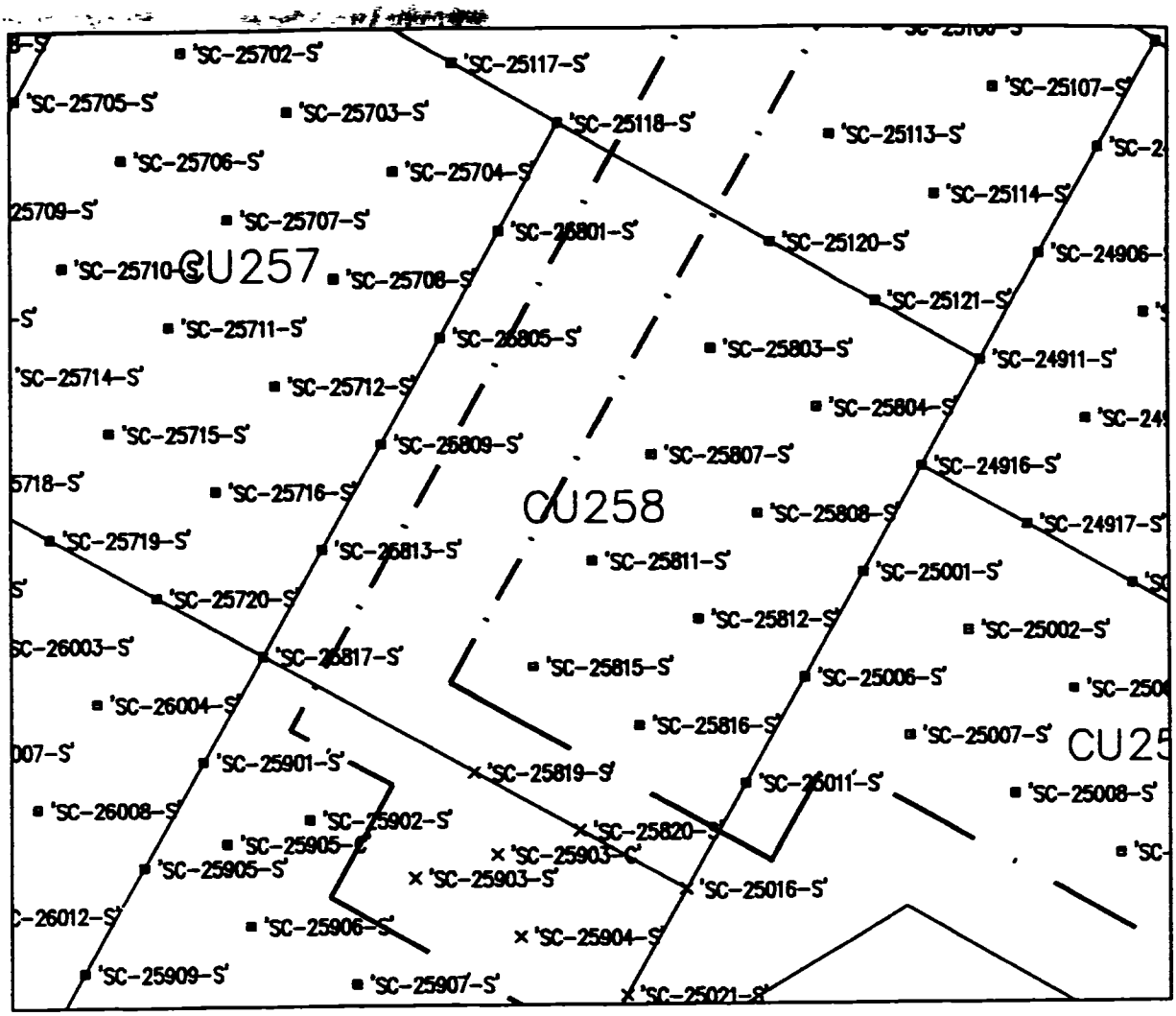
Comments: All readings < 1.5 times Bkg.

Detector Model#: NaI 2x2

Detector Serial#: 122191

Calibration Due: 8-11-99

Field Bkg.: 5,000 CPM



LEGEND

- ■ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 258

DHO CAD

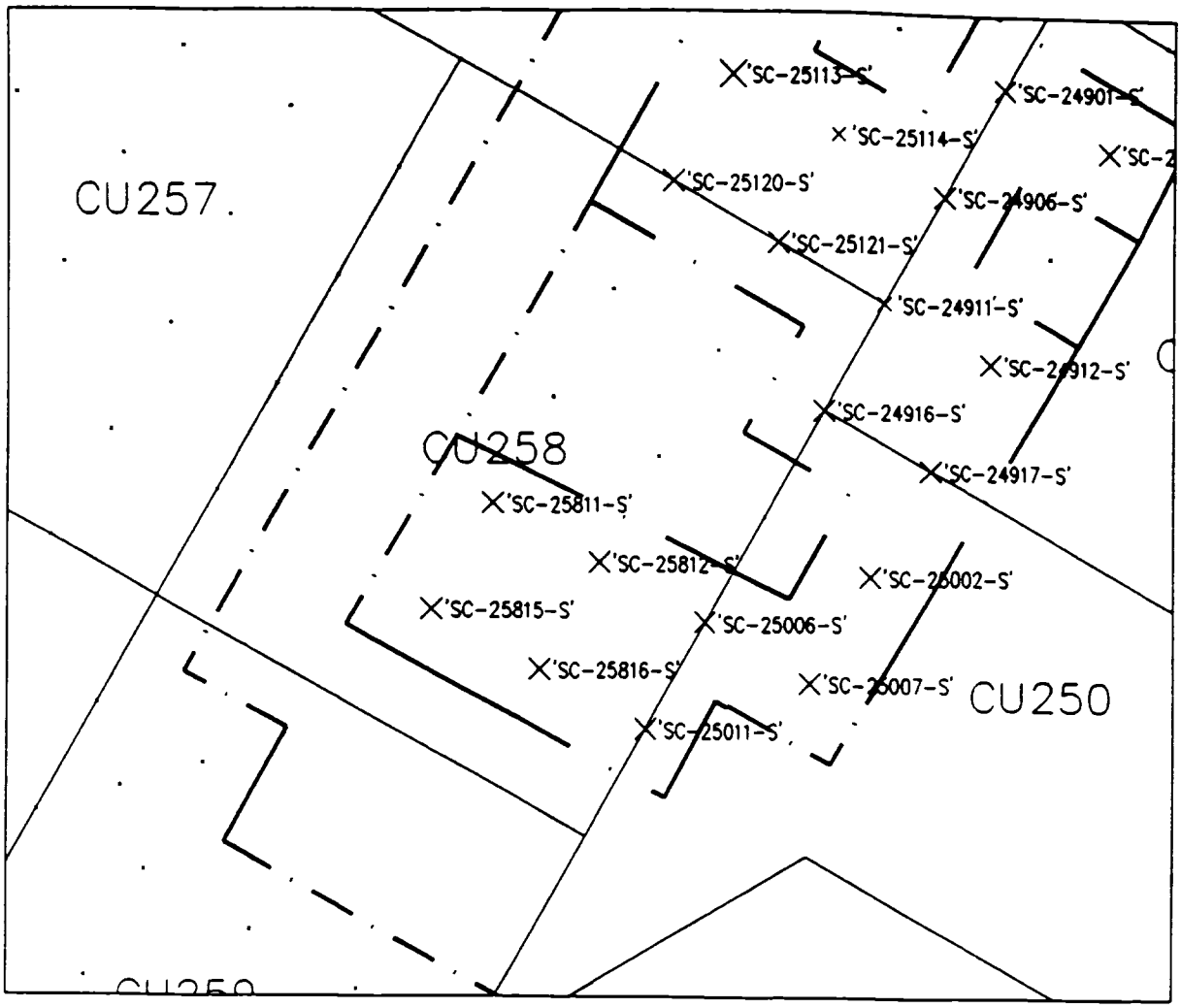
Meter Model #:	2221	Detector Model #:	2x2L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Due:	12/20/99	Calibration Due:	8/11/99
Survey Date / Time:	6/4/99	Field Bkg.:	6,000 CPM
Surveyor(s):	T. Brown		
Comments:	All readings <1.5 times Bkg.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

▫ 'SC-32606-S' SAMPLE POINTS NOT PINNED
× 'SC-32606-S' SAMPLE POINTS PINNED
— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 258

DHO CAD

Meter Model =	2221	Detector Model =	2x2
Meter Serial =	127252	Detector Serial =	F
Calibration Due.	8/27/99	Calibration Due:	8/11/99
Survey Date Time.	6/11/99	Field Bkg.	10,000 CPM
Surveyor(s)	J Brower		
Comments	All readings < 1.5 Bkg		

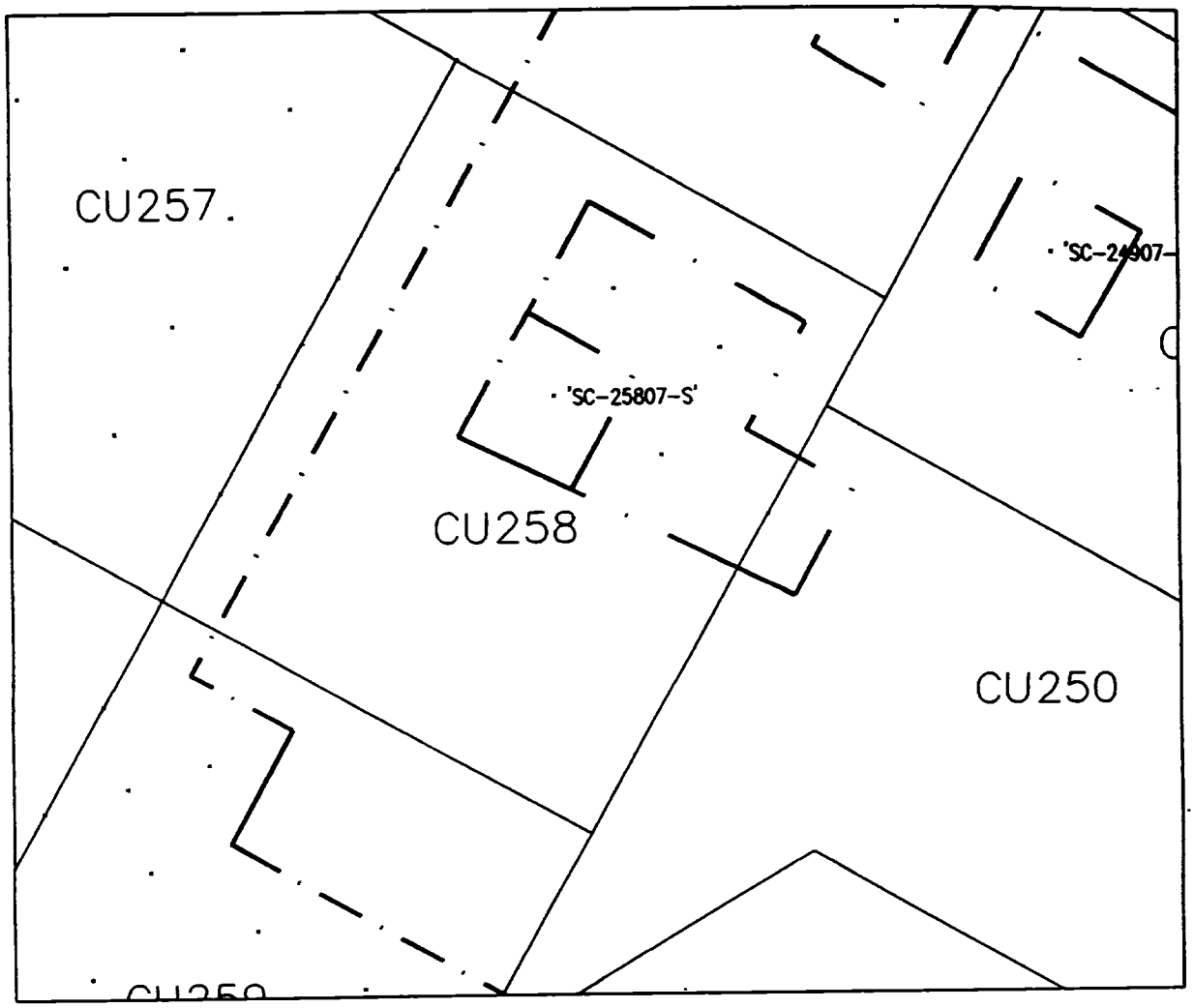
* revised map

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ▫ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 258

DHO CAD

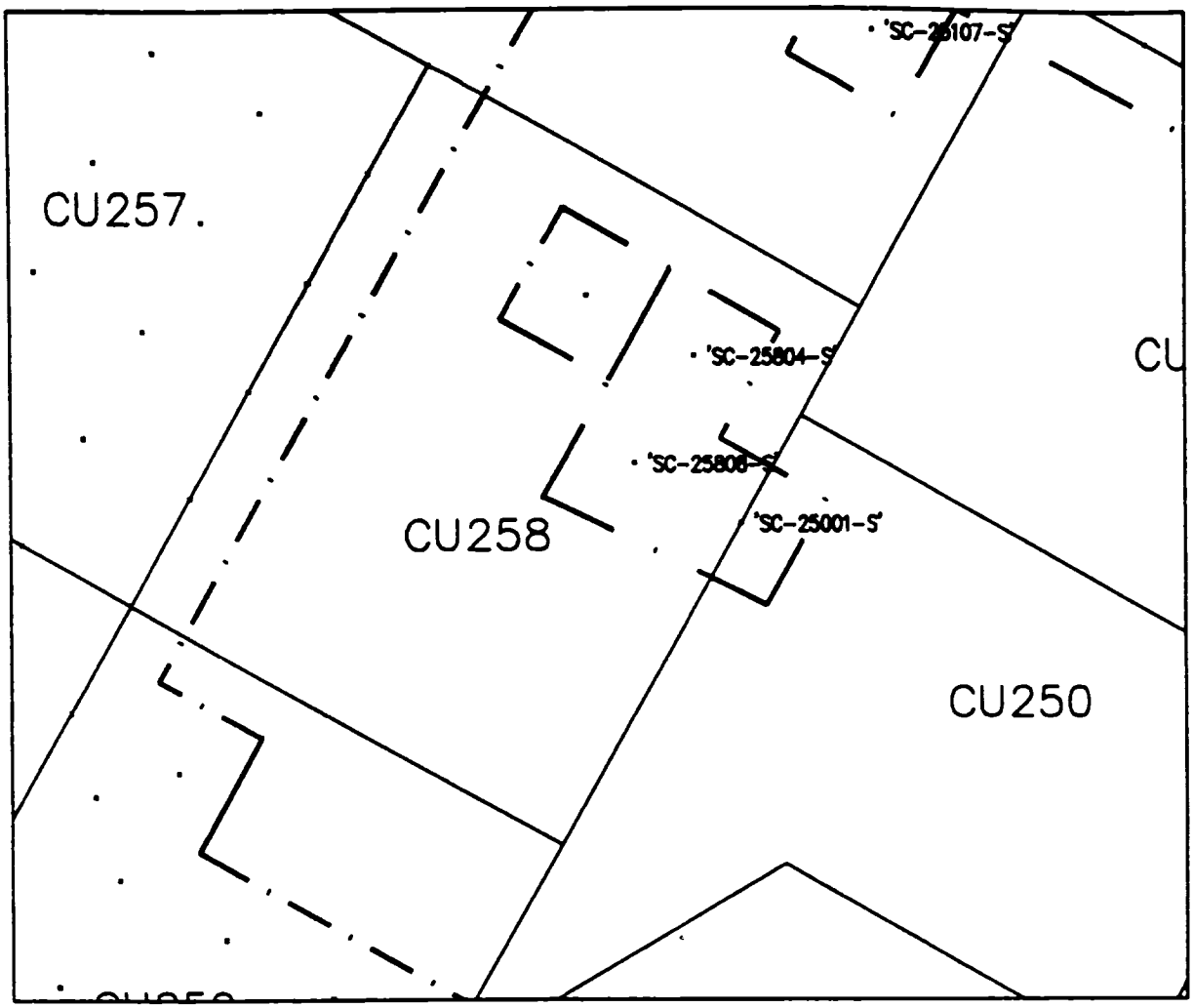
Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	127252	Detector Serial #:	F
Calibration Due:	8/27/99	Calibration Due:	8/10/99
Survey Date / Time:	6/15/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 BKg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 258

DBO CAD

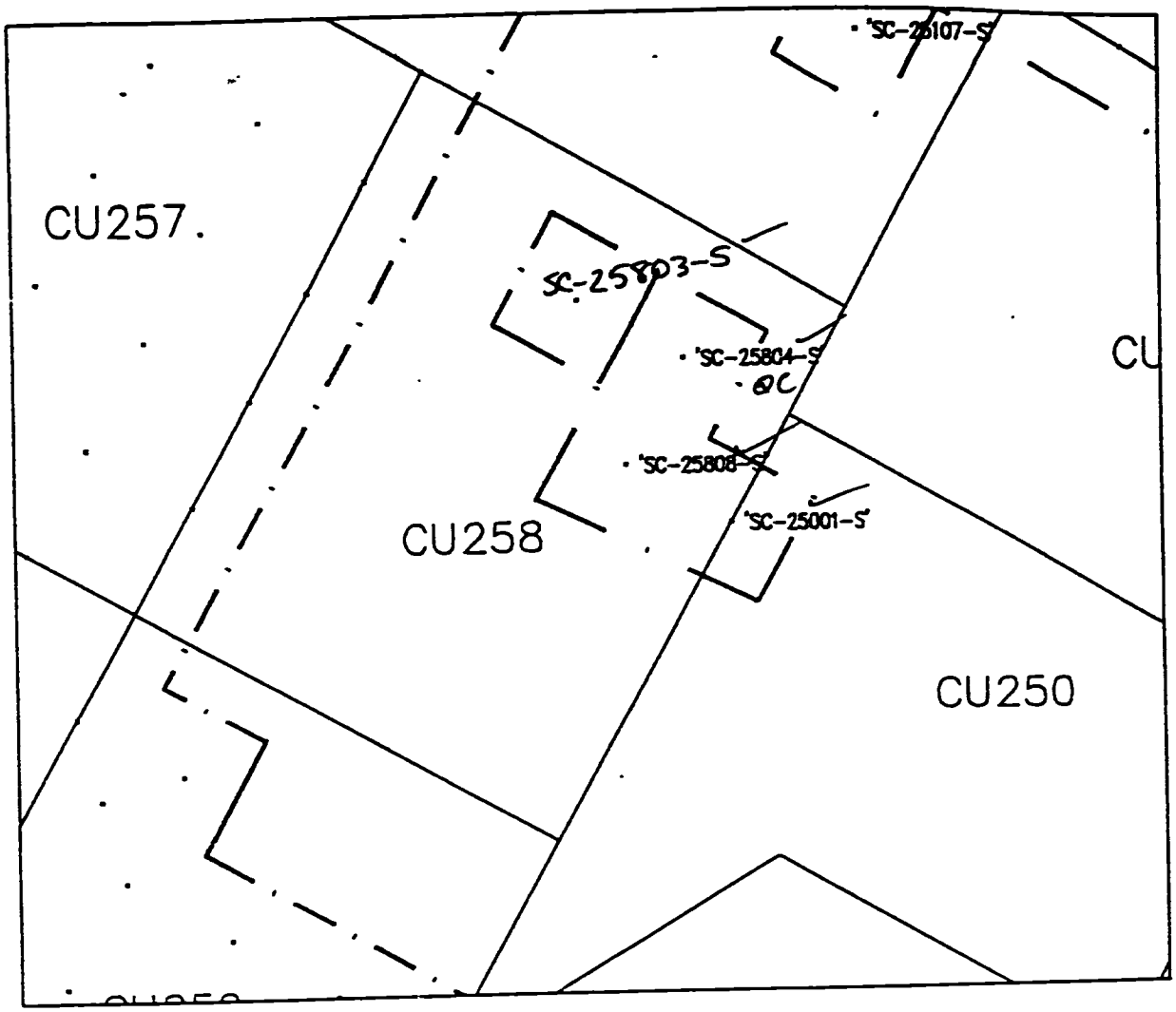
Meter Model #:	2221	Detector Model #:	2x2 "G"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	4/17/99	Field Bkg.:	10,000 cpm
Surveyor(s):	T. Brown		
Comments:	All readings w/c5 Bkg.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



Rcvd 6/22/99
1045

LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 258

DBO CAD

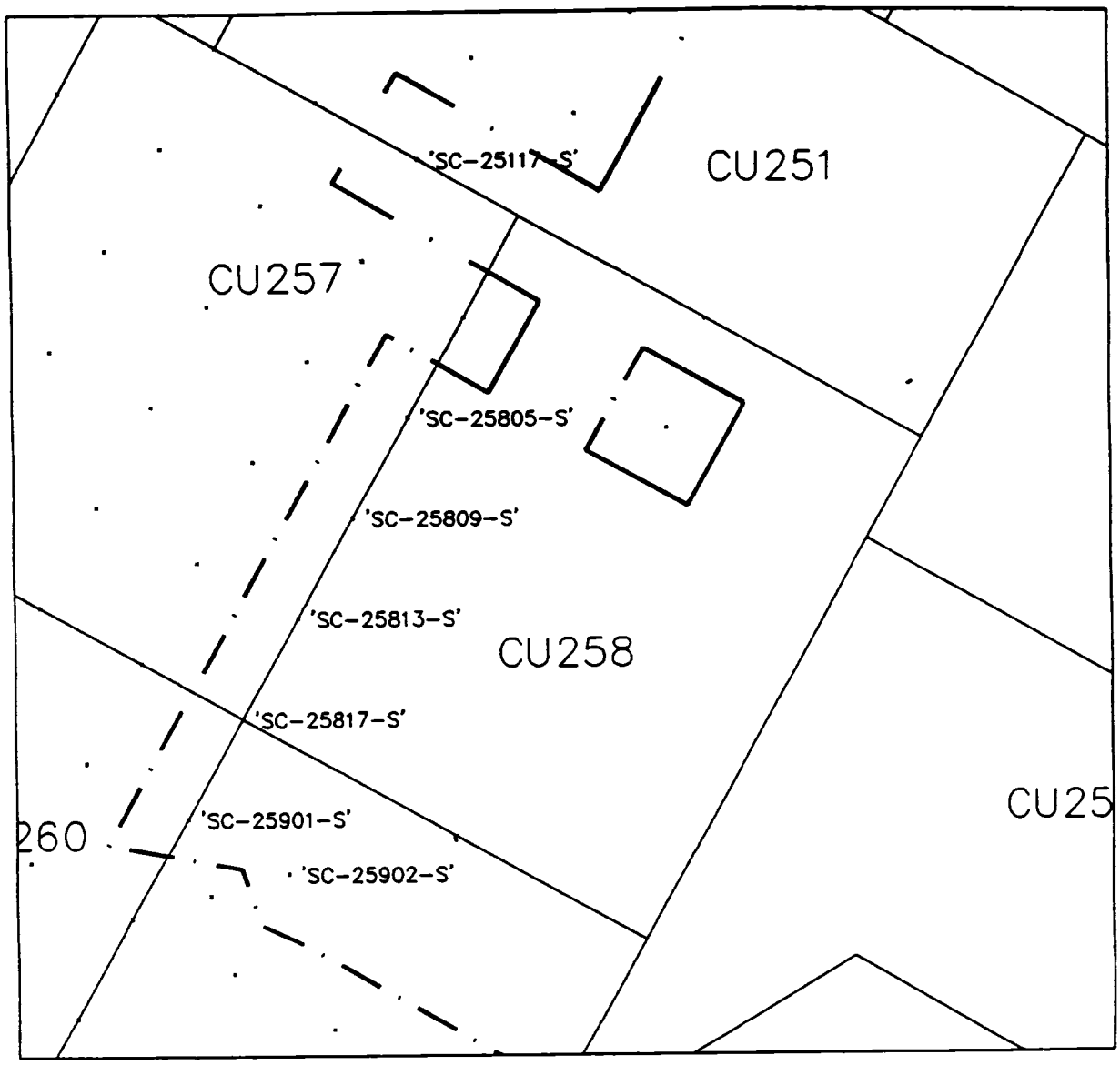
Meter Model #:	2221	Detector Model #:	2x2 "6"
Meter Serial #:	127247	Detector Serial #:	122192
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	6/17/99	Field Bkg.:	10,000 cpm
Surveyor(s):	T. Brown		
Comments:	All readings <5 Bkg.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

. .	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 258

8-3-99

DBO CAD

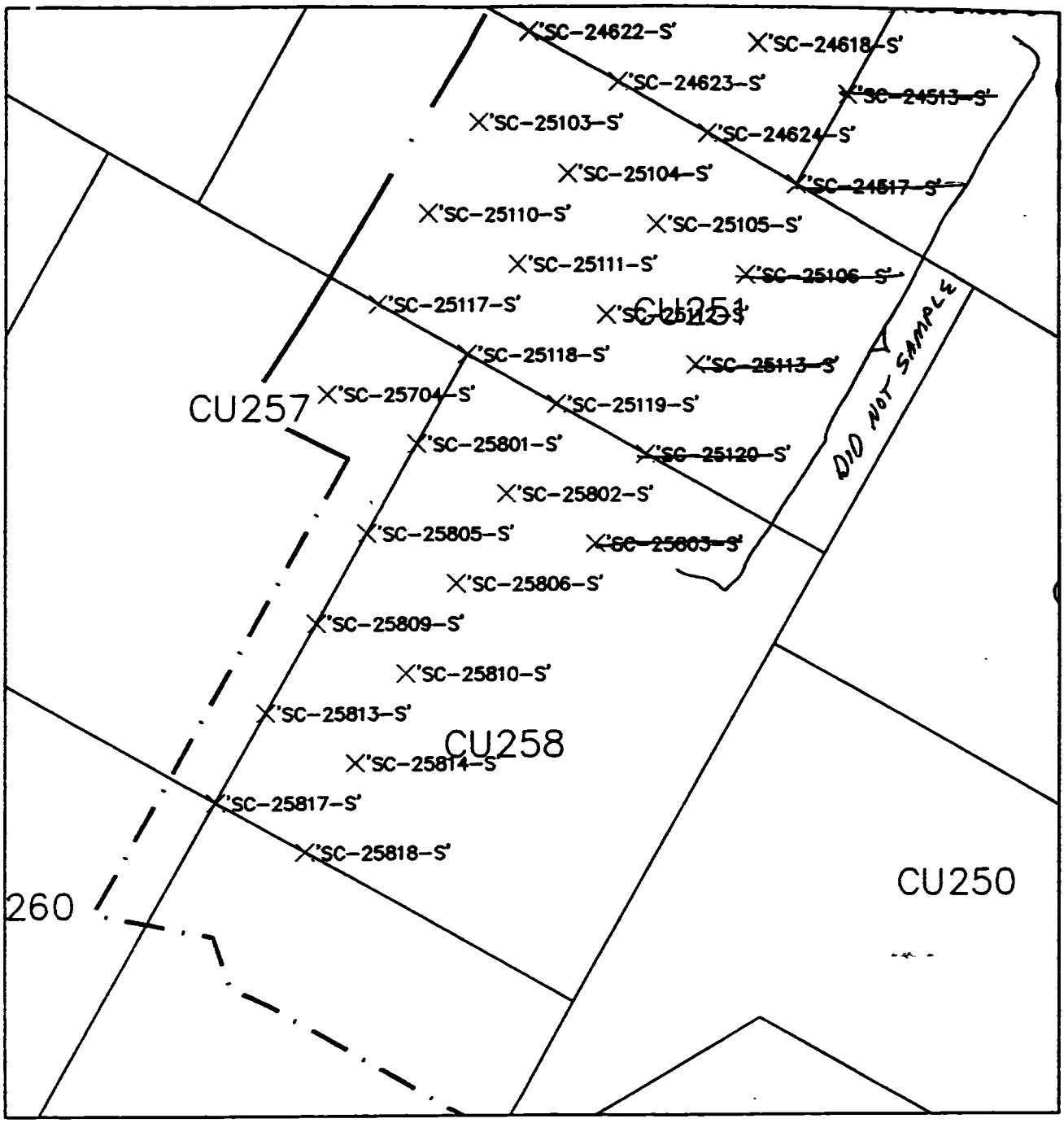
Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-23-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankins		
Comments:	All areas surveyed < 1.5 BKG.		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

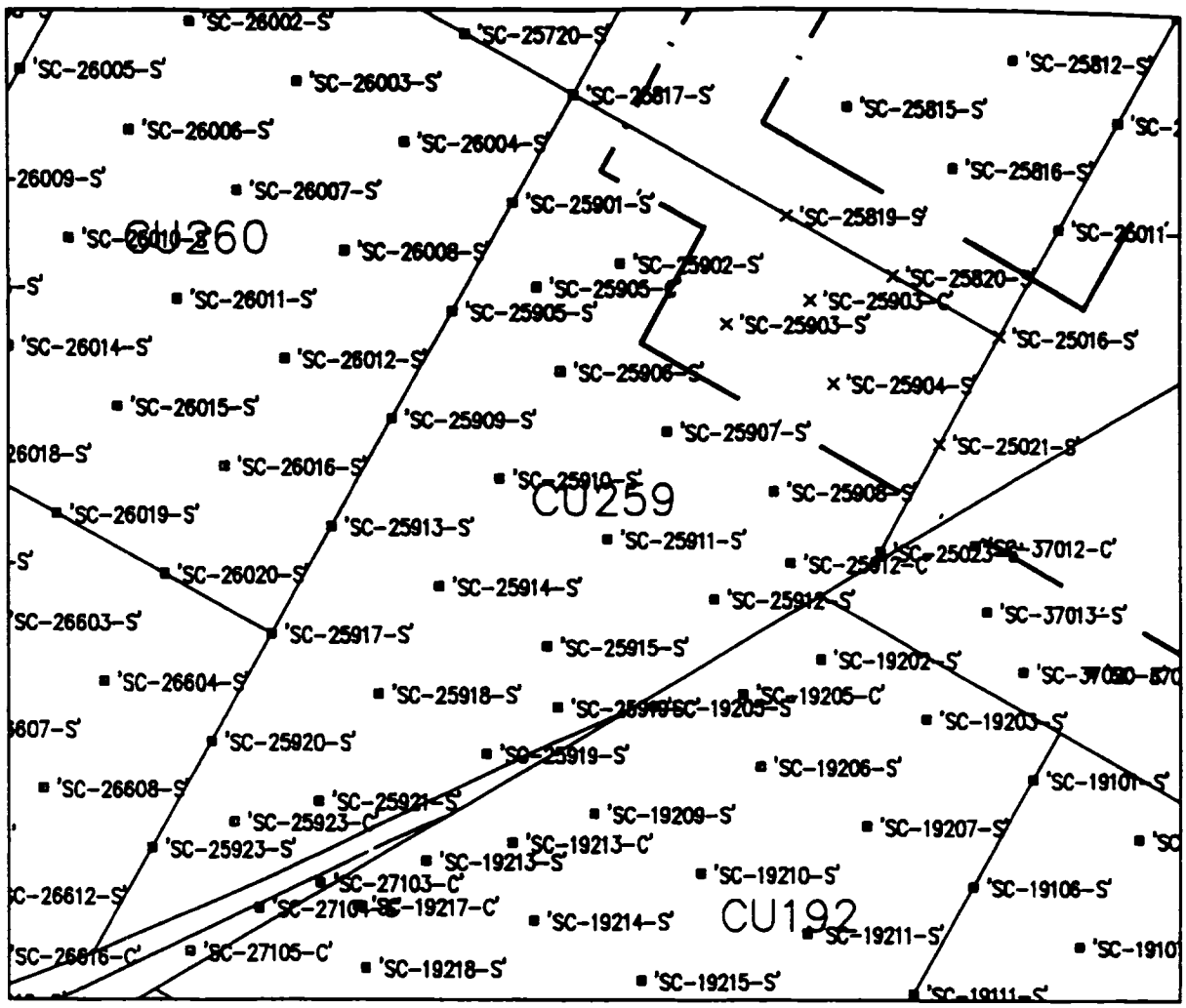
50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 258

DBO CAD

Meter Model #:	4410-2	Detector Model #:	2221
Meter Serial #:	130774 & 127252	Detector Serial #:	122192
Calibration Due:	9-2-00	Calibration Due:	1-24-00
Survey Date / Time:	9-27-99/0900	Field Bkg.:	9,000cpm
Surveyor(s):	C. HANNER		
Comments:	ALL AREAS SURVEYED WERE < 1.5x BKG		



LEGEND

- ▪ 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU- 21 CU 259

DBO CAD

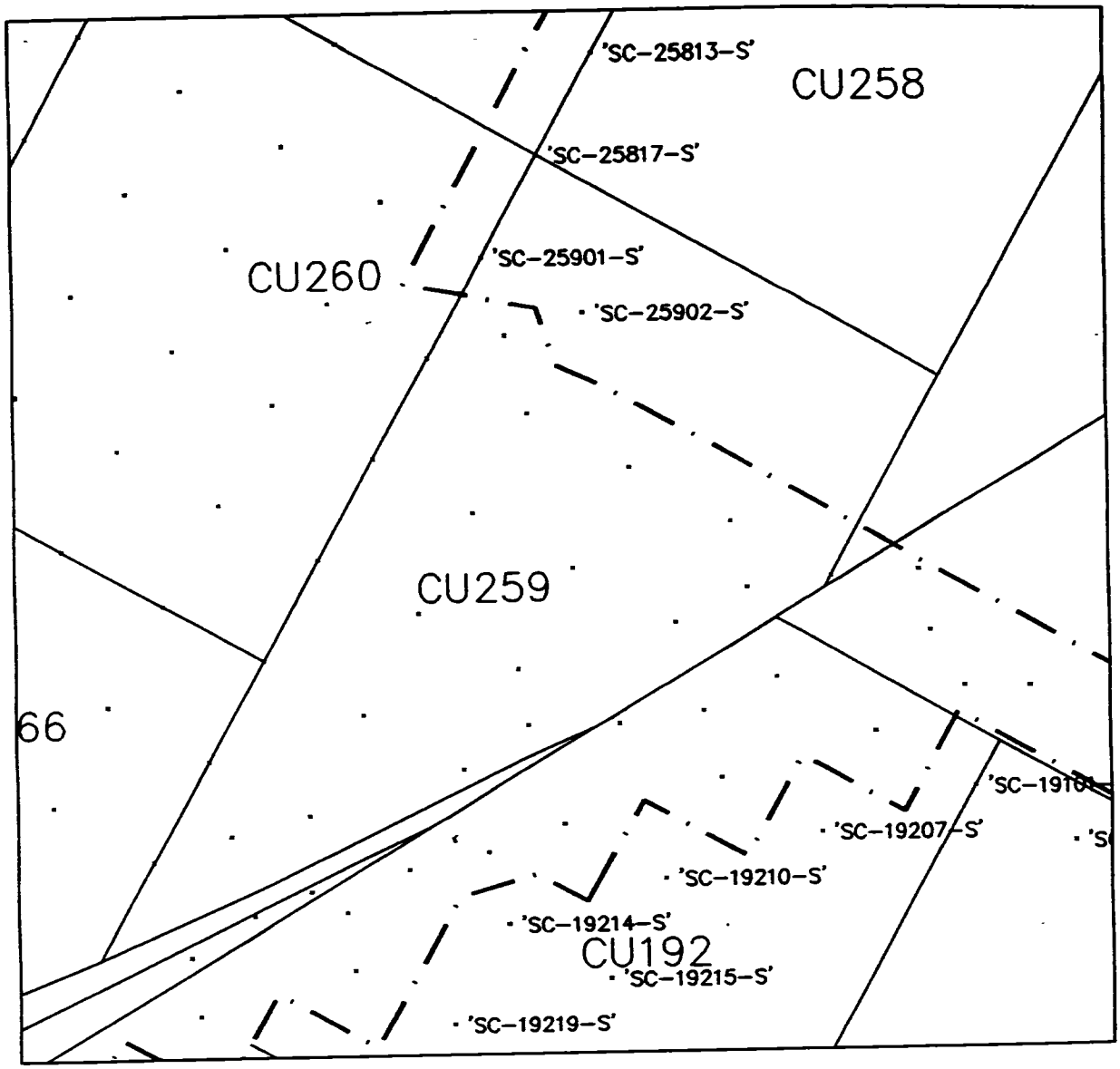
Meter Model #:	2221	Detector Model #:	2x2L
Meter Serial #:	125435	Detector Serial #:	130763
Calibration Date:	12/20/99	Calibration Date:	8/11/99
Survey Date / Time:	6/4/99	Field Bkg.:	6,000 CPM
Surveyor(s):	T. Brown		
Comments:	All readings < 1.5 times Bkg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

× 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 259

8-3-99

DEIO CAD

Meter Model #:	2221	Detector Model #:	NaI "2x2"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	07-03-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankin		
Comments:	All areas surveyed < 1.5 BKG.		

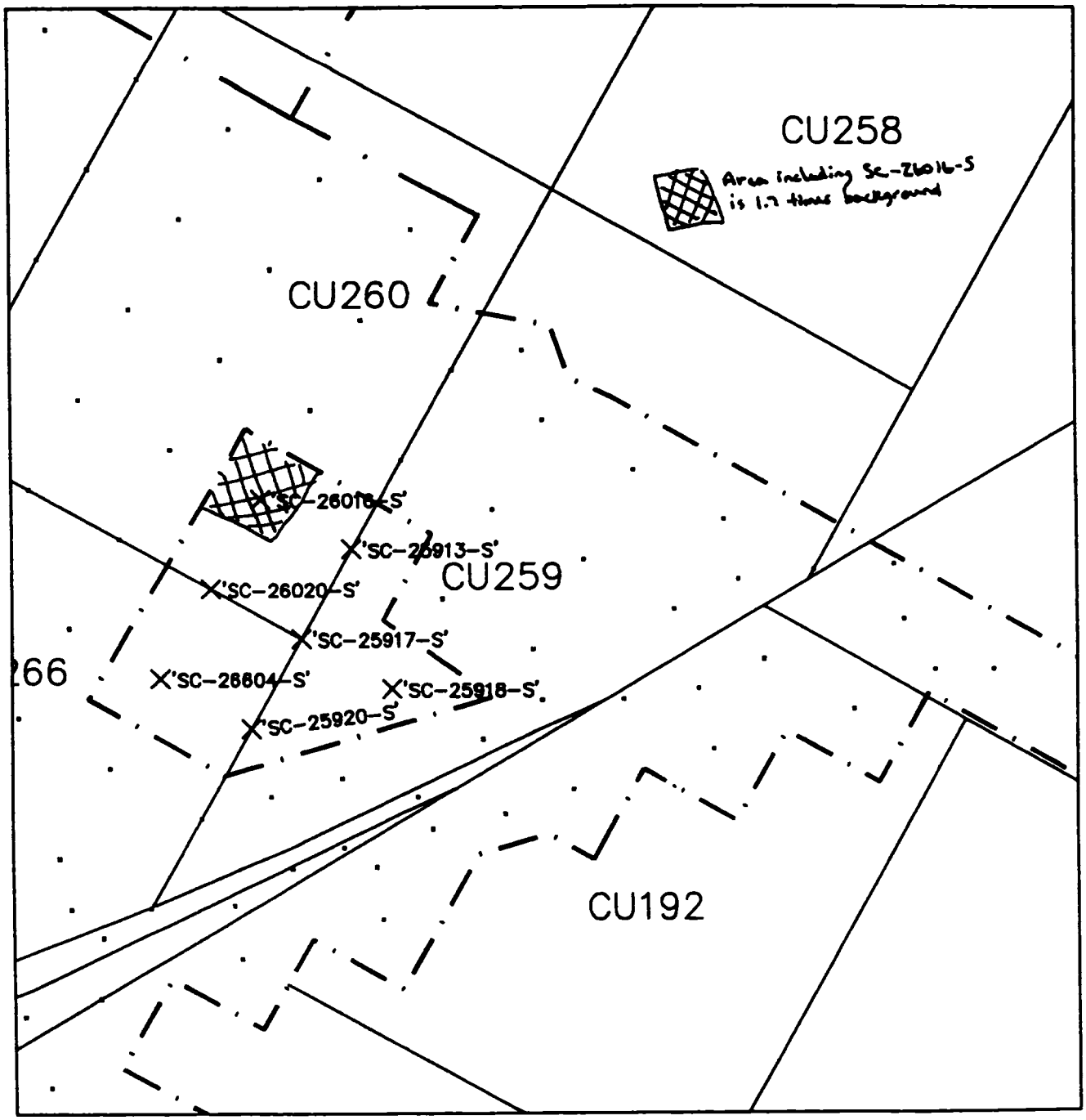
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

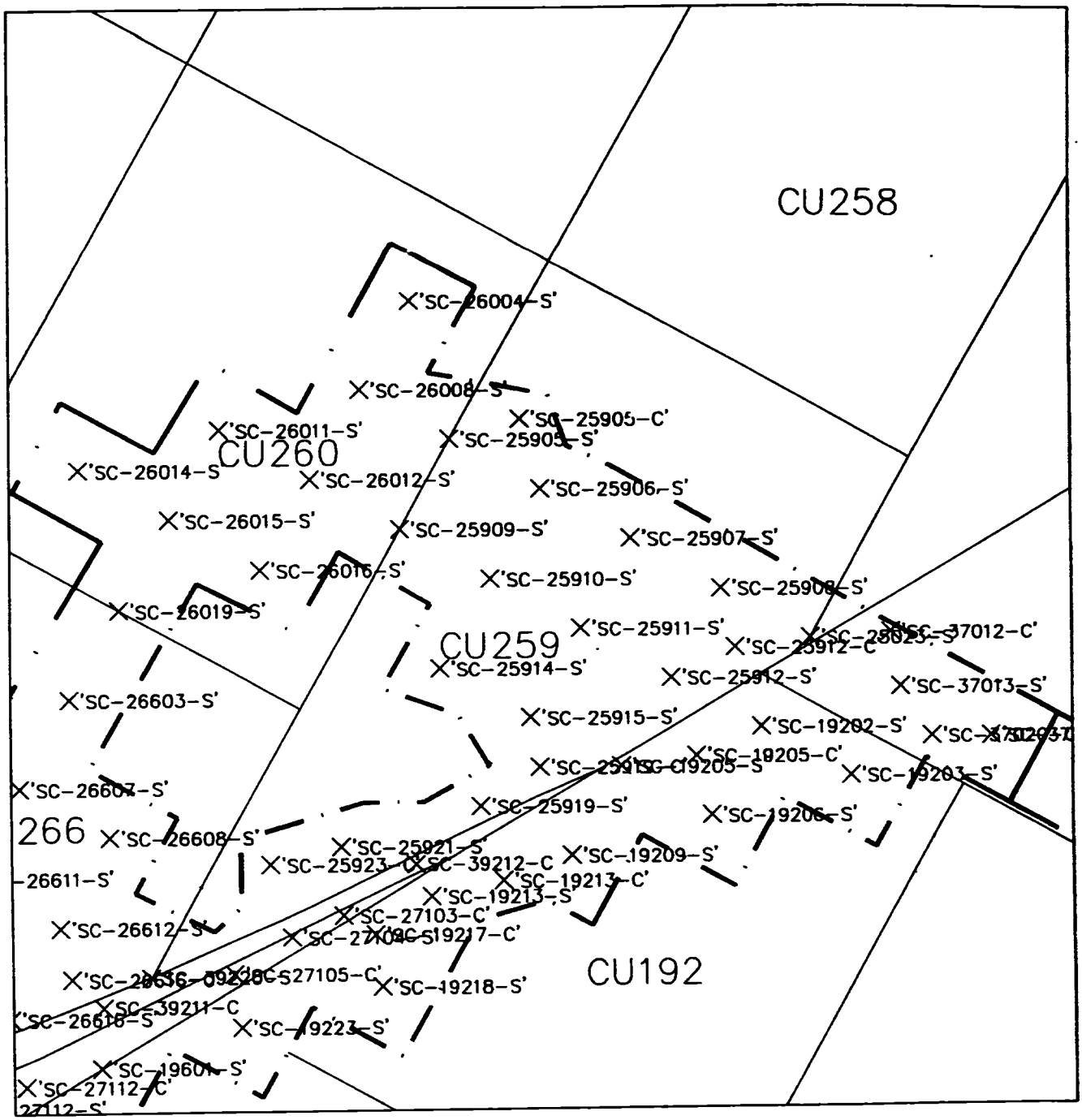
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 259
10/12/99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Date:	9-2-00	Calibration Date:	12-24-00
Survey Date / Time:	10/12/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

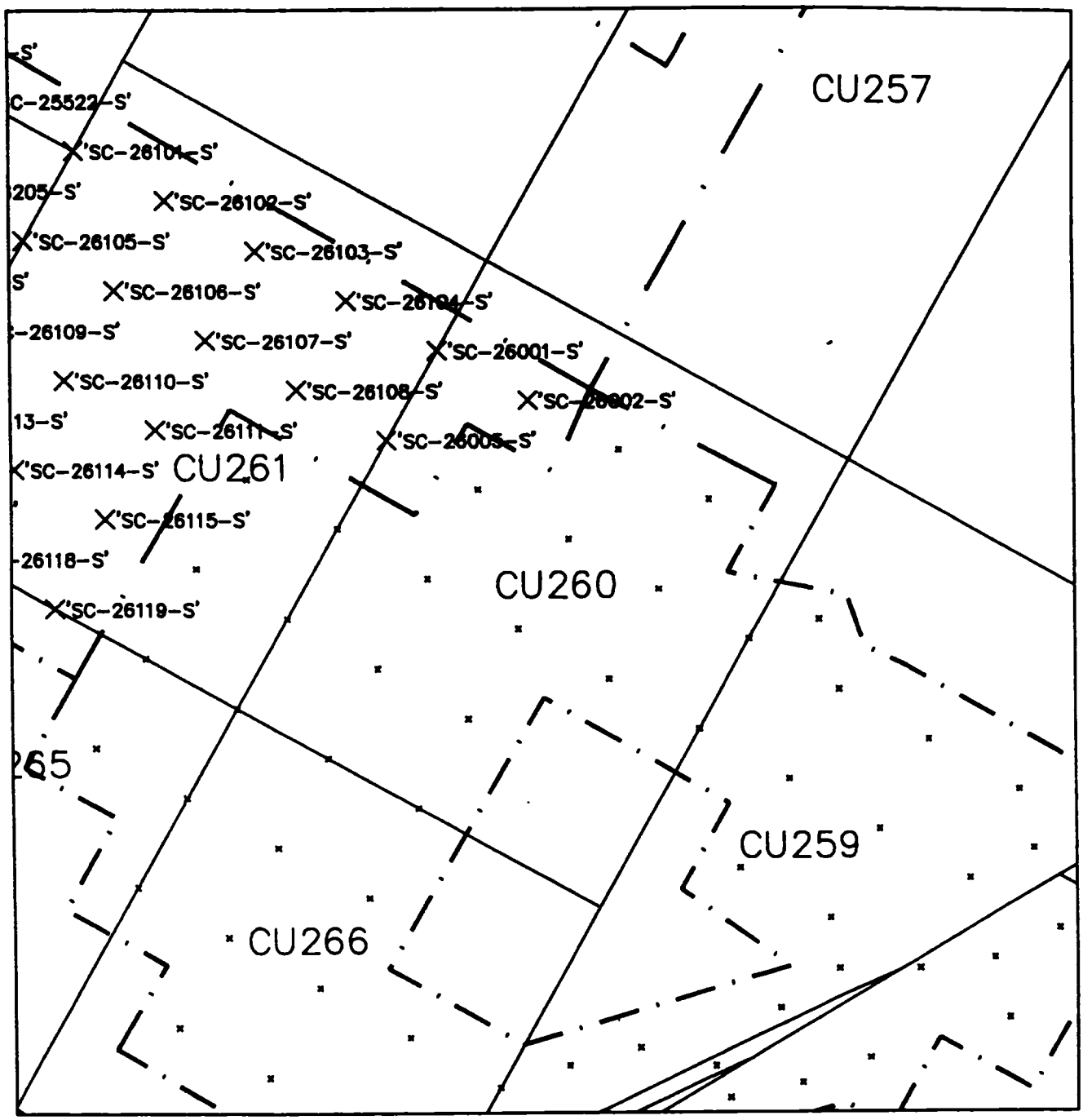
Radiation Survey Form WP 437, RU 21 **CU** 259

10/26/99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Due:	1/24/00
Survey Date / Time:	10/25/99	Field Bkg.:	8,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

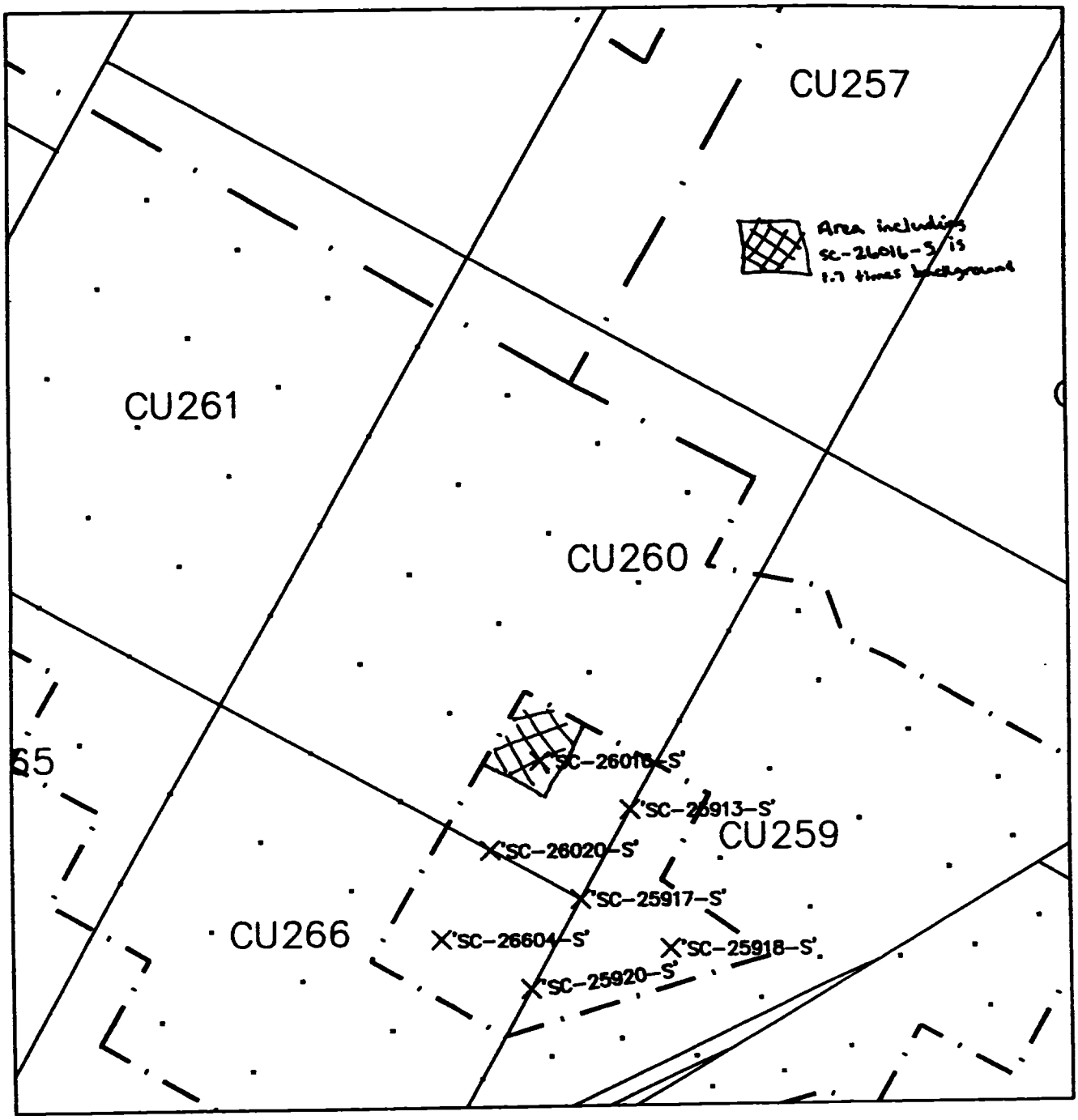
GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 260
10-13-99
DEO CAD

Meter Model #:	2221	Detector Model #:	2X2
Meter Serial #:	127251	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Date:	1/24/00
Survey Date / Time:	10/14/99	Field Bkg.:	10 K cpm
Surveyor(s):	[illegible], C. Hammer		
Comments:	All Readings Below 1.5 X BKGD		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

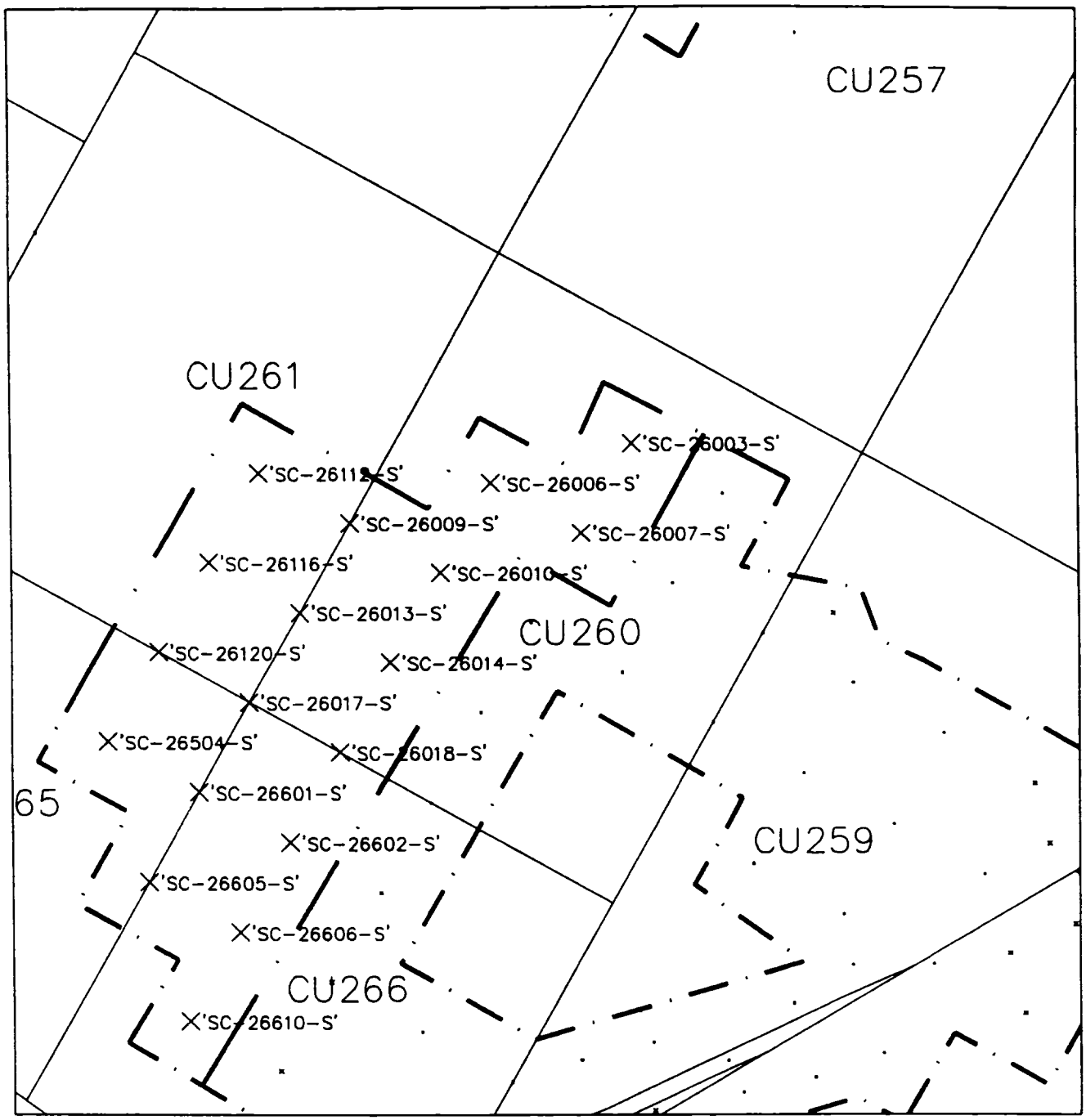
Radiation Survey Form WP 437, RU 21 CU 260

10-12-99

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Date:	9-2-00	Calibration Date:	1-24-00
Survey Date / Time:	10/12/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

X'SC-32606-S' SAMPLE POINTS NOT PINNED

SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

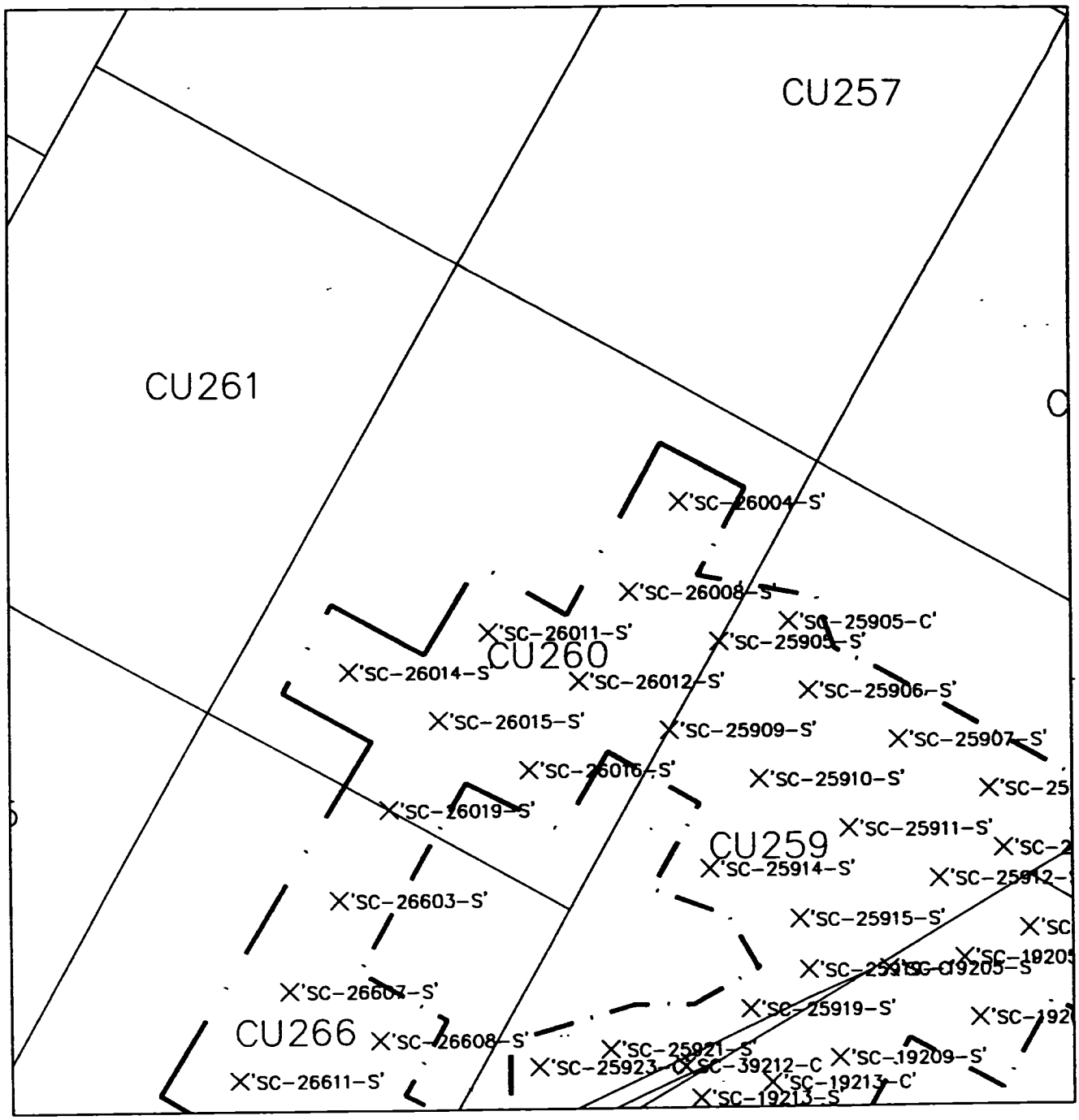
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 **CU** 260

10-22-99

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	127252	Detector Serial #:	DOE #4241
Calibration Date:	9-7-00	Calibration Date:	01-24-00
Survey Date / Time:	10-19-99	Field Bkg.:	10K cpm
Surveyor(s):	J. Bank		
Comments:	All meas <15 BKG		



LEGEND

X'SC-32606-S' SAMPLE POINTS NOT PINNED

SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 **CU** 260

10/26/99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Date:	9/2/00	Calibration Date:	1/24/00
Survey Date / Time:	10/25/99	Field Bkg.:	8,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

Tuesday 10-20-99 "Day Shift"

Prepping BZ's, setting up control points for today's field activities.
SWP Meeting held. Working at: cell, Pits #1 + #4, & North of Pit #3 area (Ash pond).
- BZ's issued out. Mike starting up GA monitors.
- Continuing decon on water tanker. Only a few items need to be done.
- John R. observing cut-off out of RAX-23 + 24 at Pit #4. Walkovers of these areas were <1.5 x bkg. At Pit #3, two small (< 1 m³) contaminated areas were found + removed. Other soil contamination which was tracked in from the excavation (haul trucks) was also removed on the way out.
- Laborers performing final rinse on water tanker at decon pad.

Lunch

Crew back to work.

Mike performing visual on water tanker. CAT 621 F water tanker unconditionally released. Can proceed with reassembly.

Eldon (DHO/mechanic) start initial reassembling of water tanker.

Leon/ collecting GA heads

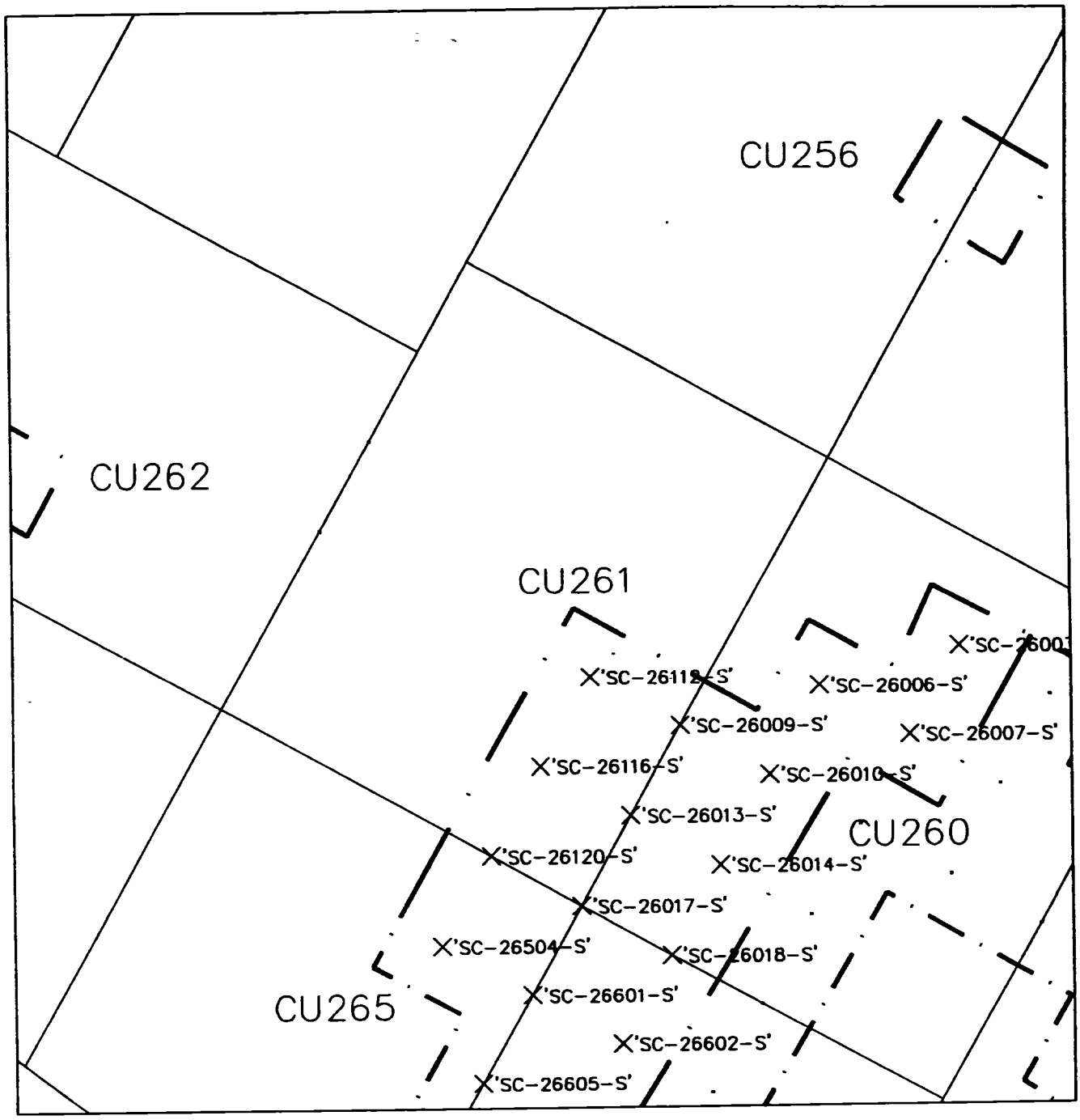
Eric's collecting BZ's, securing control points.

- BZ's calculated; complete. Done for today.

Continued on Page

Read and Understood By

Signed: [signature] Date: 10-21-99 Signed: Date:



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

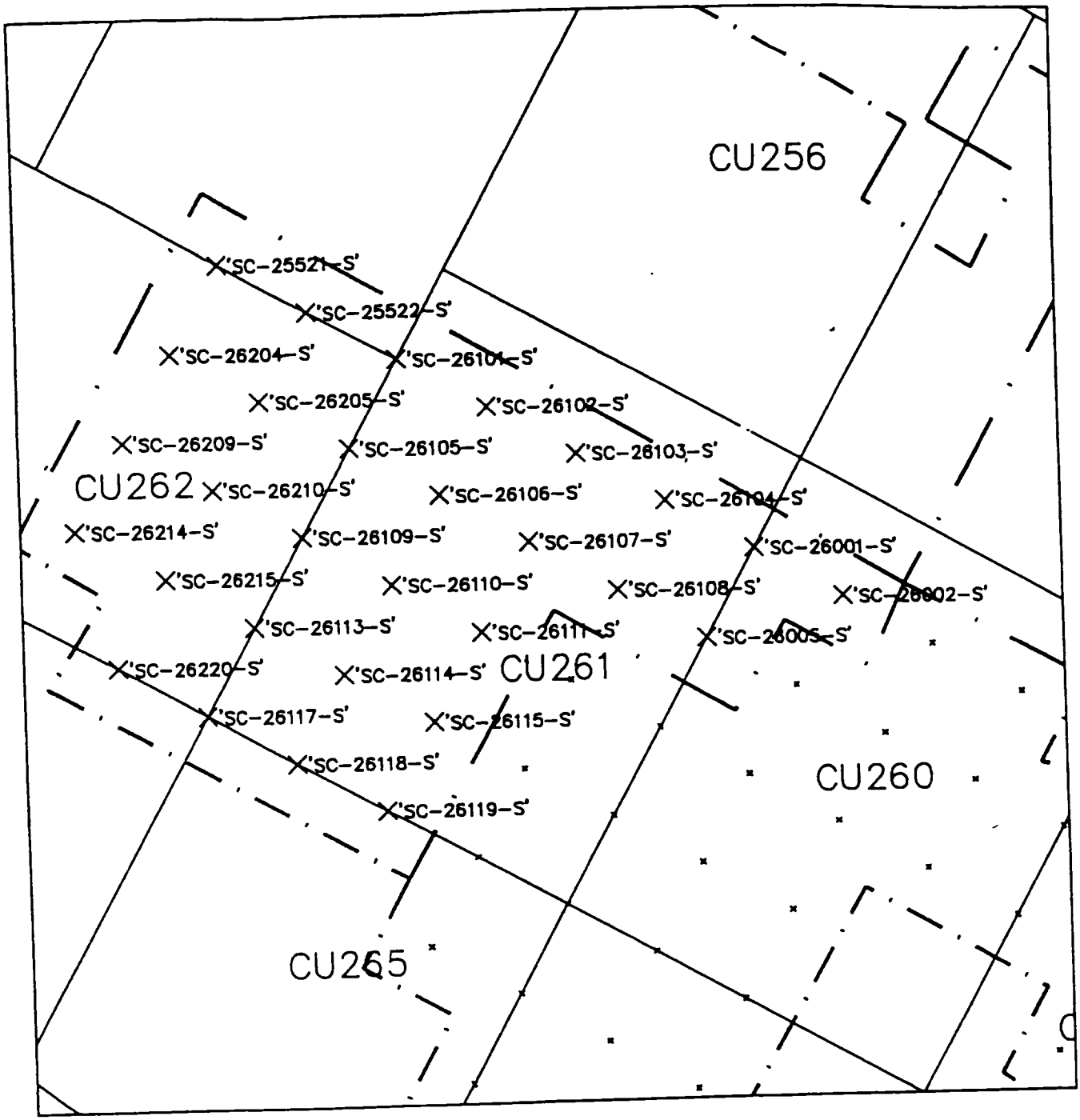
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 **CU** 261

10-22-99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	177252	Detector Serial #:	DOE # 4741
Calibration Due:	9-2-00	Calibration Due:	01-24-00
Survey Date / Time:	10-19-99	Field Bkg.:	10K cpm
Surveyor(s):	J Rankin		
Comments:	All areas <1.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

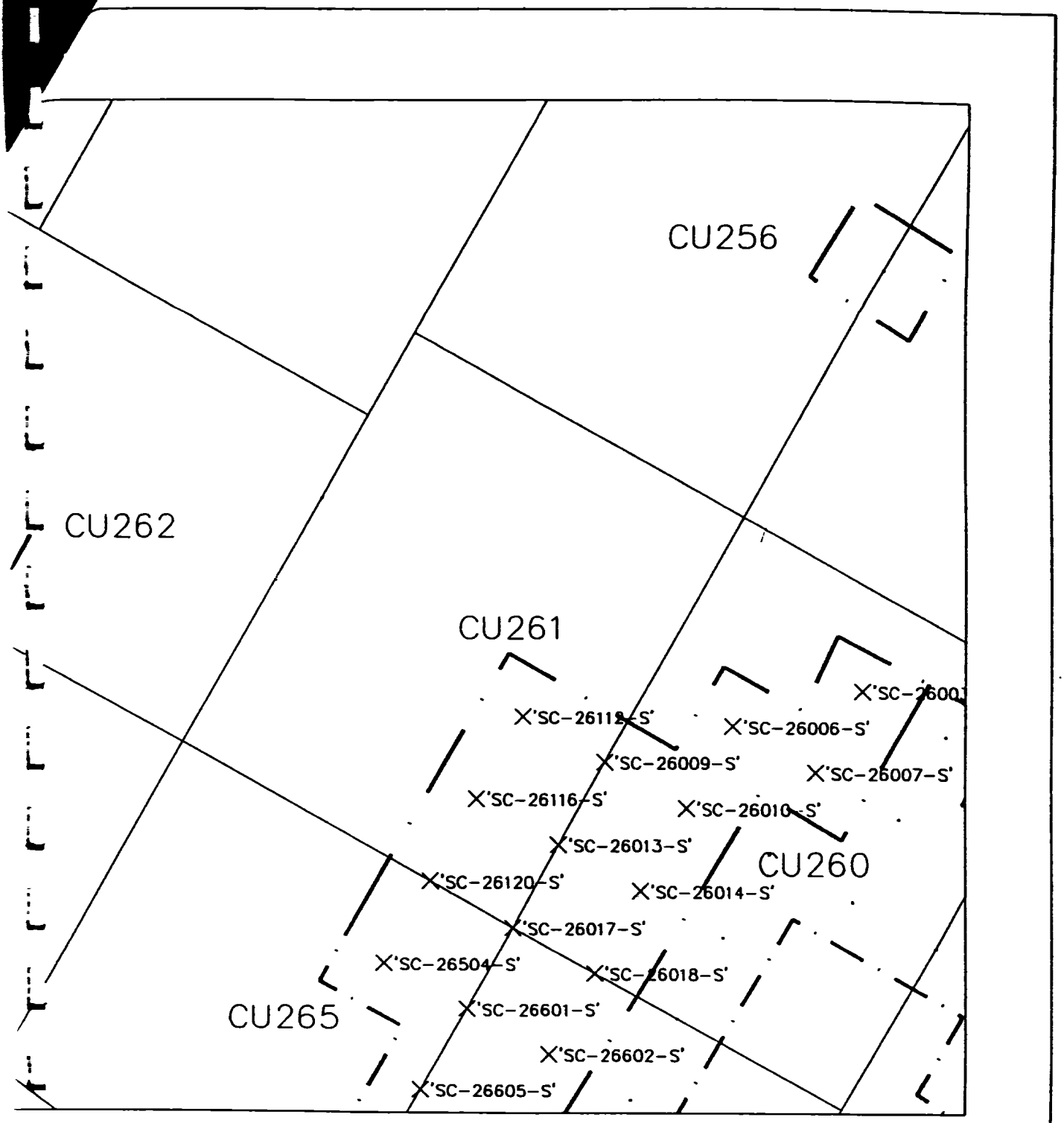
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 261

10-13-99

DBO CAD

Meter Model #:	2221	Detector Model #:	AbT "2.2" "G"
Meter Serial #:	127252	Detector Serial #:	DOE "4741
Calibration Date:	09-07-99	Calibration Date:	01-28-00
Survey Date / Time:	10-13-99	Field Bkg.:	8, 40 cpm
Surveyor(s):	J. Rankin		
Comments:	All meas 1.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

-S' SAMPLE POINTS PINNED

PINNING LIMITS

GRAPHIC SCALE

50 0 25 50

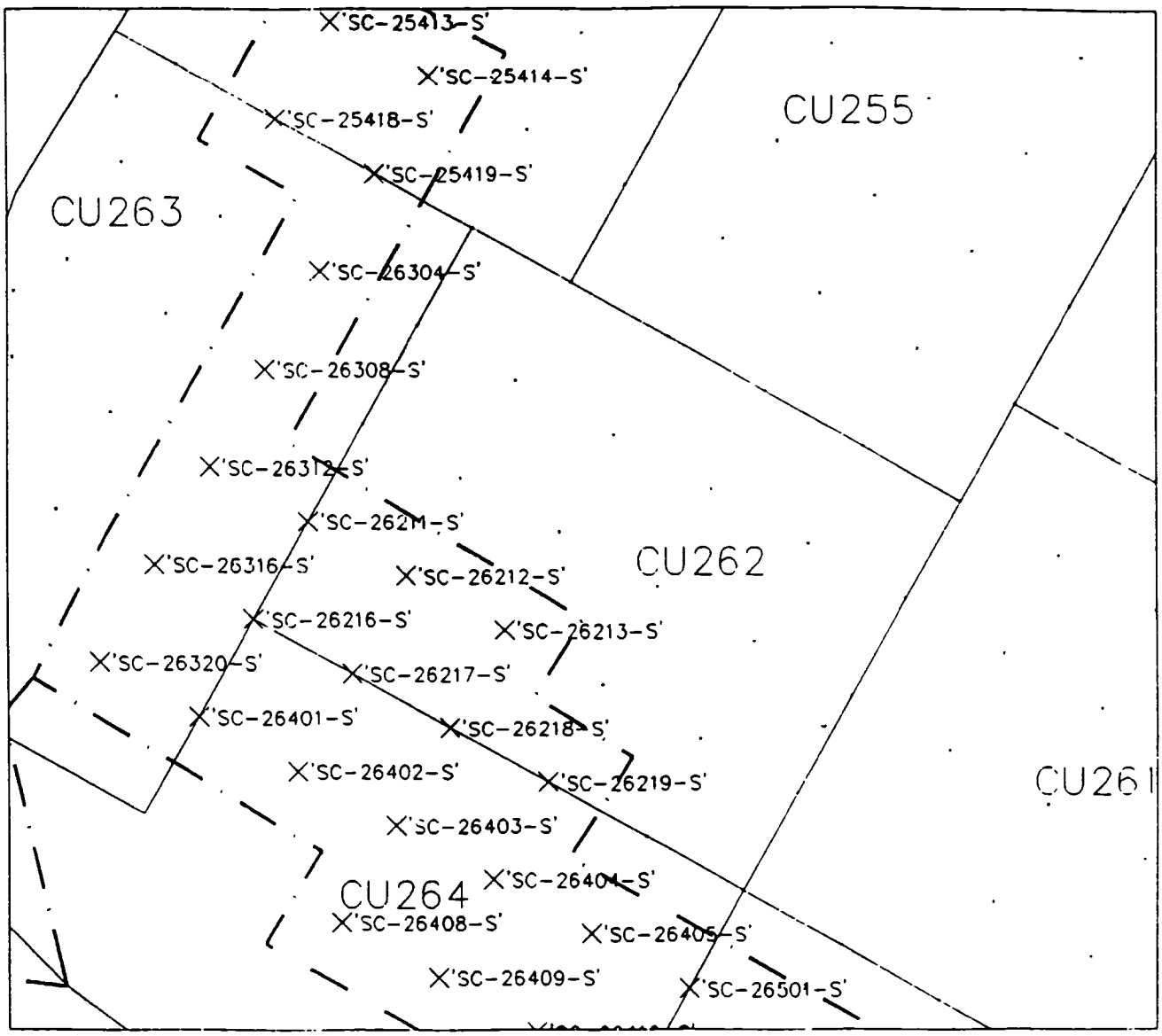
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 **CU** 261

10-22-79

DBO CAD

Meter Model #:	2221	Detector Model #:	NaI "2-2" G
Meter Serial #:	127252	Detector Serial #:	DE #4291
Calibration Due:	04-02-00	Calibration Due:	01-29-00
Survey Date / Time:	10-28-99	Field Bkg.:	B1400 cpm
Surveyor(s):	J Rankin		
Comments:	All meas L1.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 262

9-15-99 DHO CAD

Meter Model #	2221	Detector Model #	2x20
Meter Serial #	117607	Detector Serial #	25143
Calibration Due	12/18/99	Calibration Due	1/24/00
Survey Date Time	9/14/99	Field Bkg	12,000
Surveyor(s)	T. Brower		
Comments	All readings 41.5 Bkg		

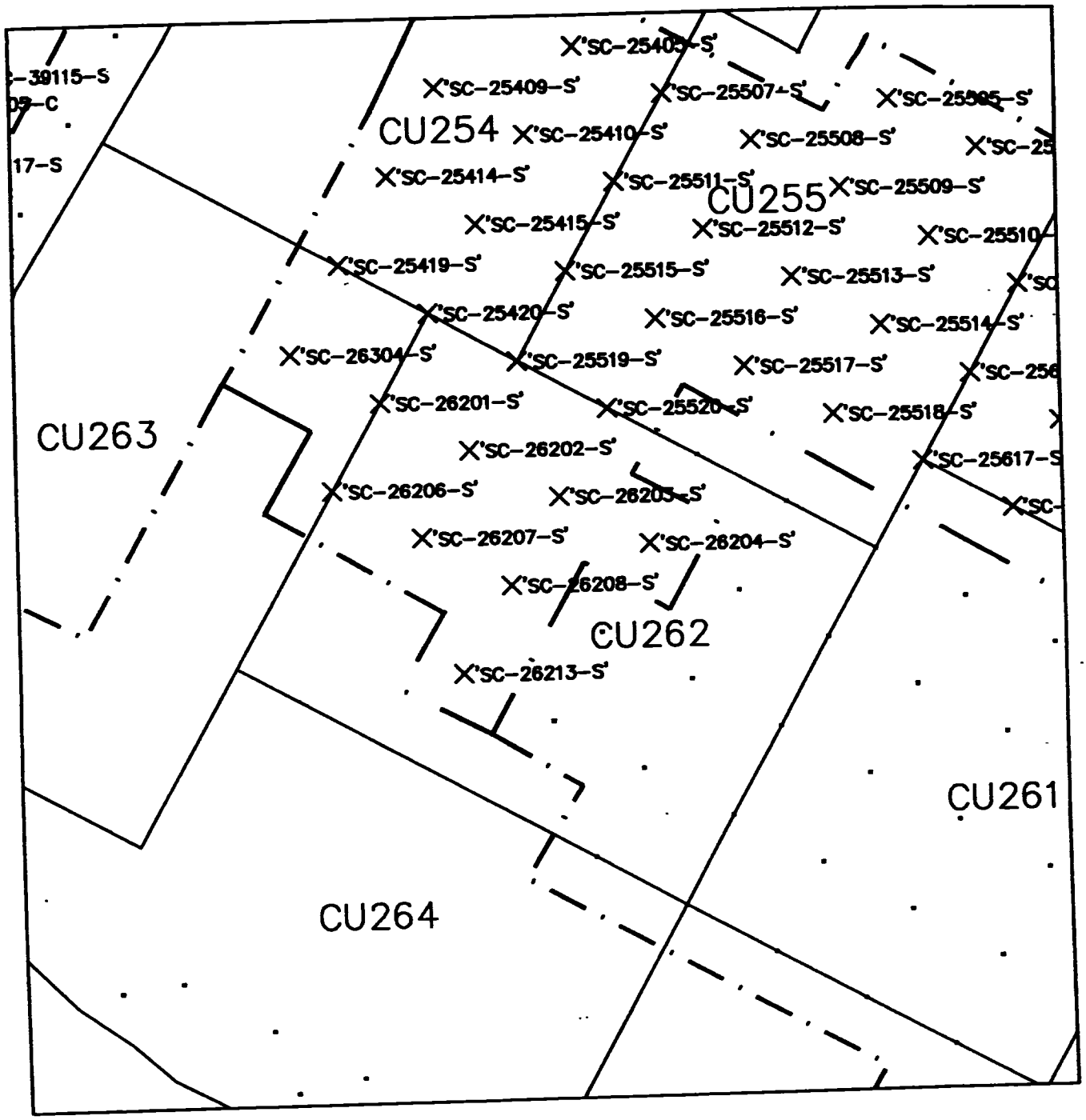
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

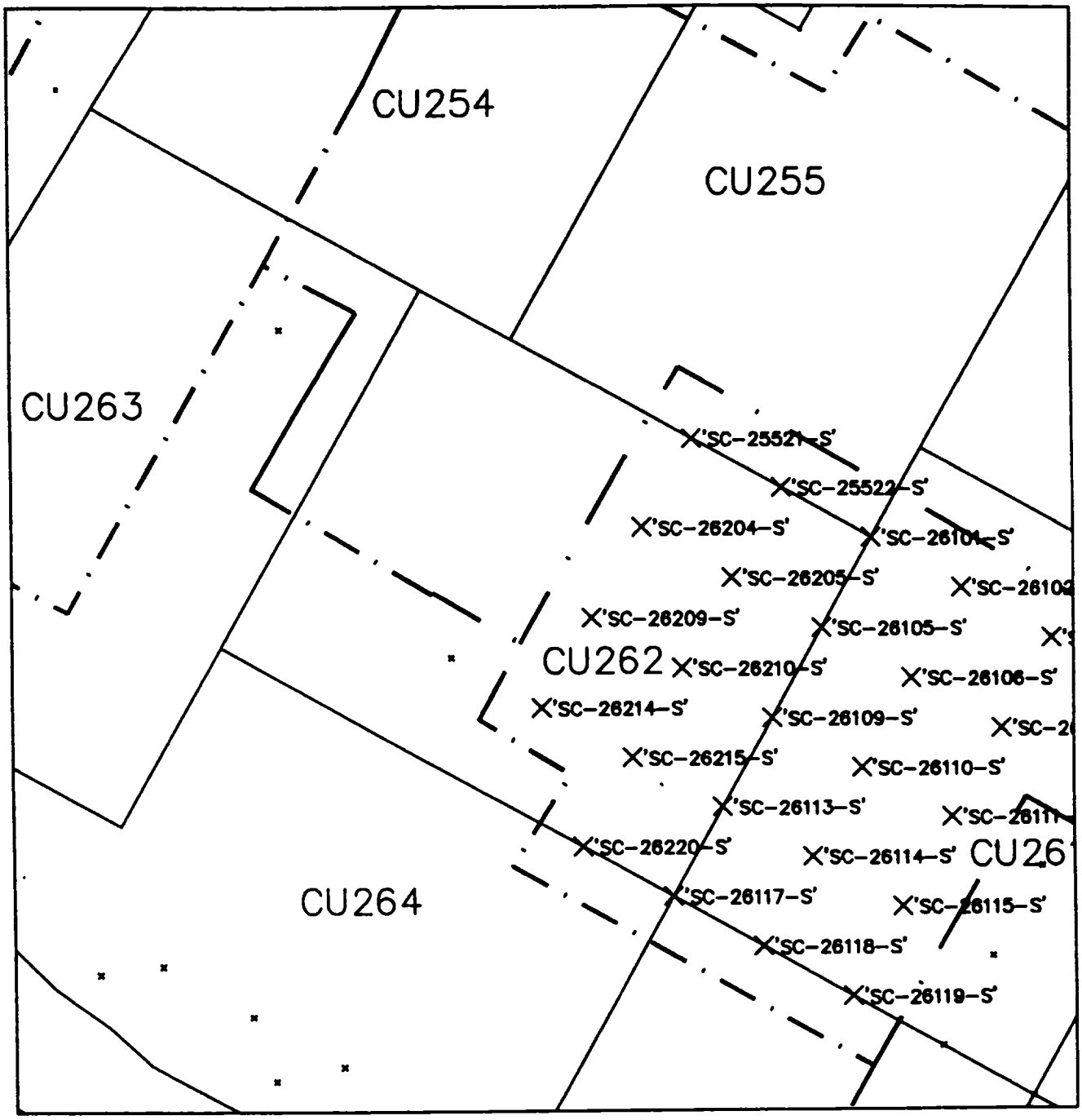
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 262

10/11/99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 "6"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Due:	1/24/00
Survey Date / Time:	10/7/99	Field Bkg.:	10,000 CPM
Surveyor(s):	T Brown		
Comments:	All readings ≈1.5 Bkg		



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

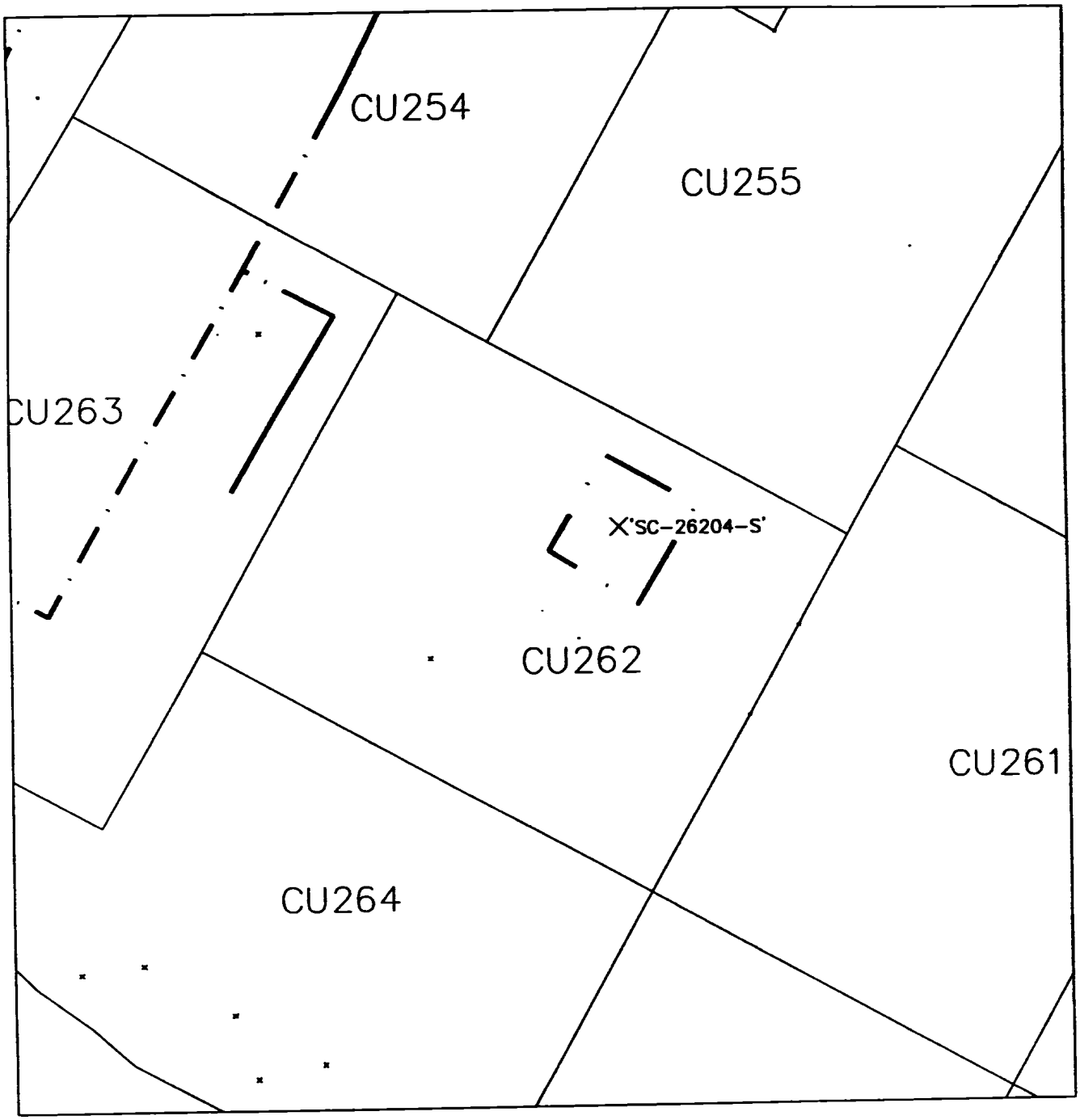
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 262

10-13-99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Due:	1/24/00
Survey Date / Time:	10/11/00	Field Bkg.:	10,000 cpm
Surveyor(s):	[illegible] (Hammi		
Comments:	All Readings < 1.5X BKGD		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

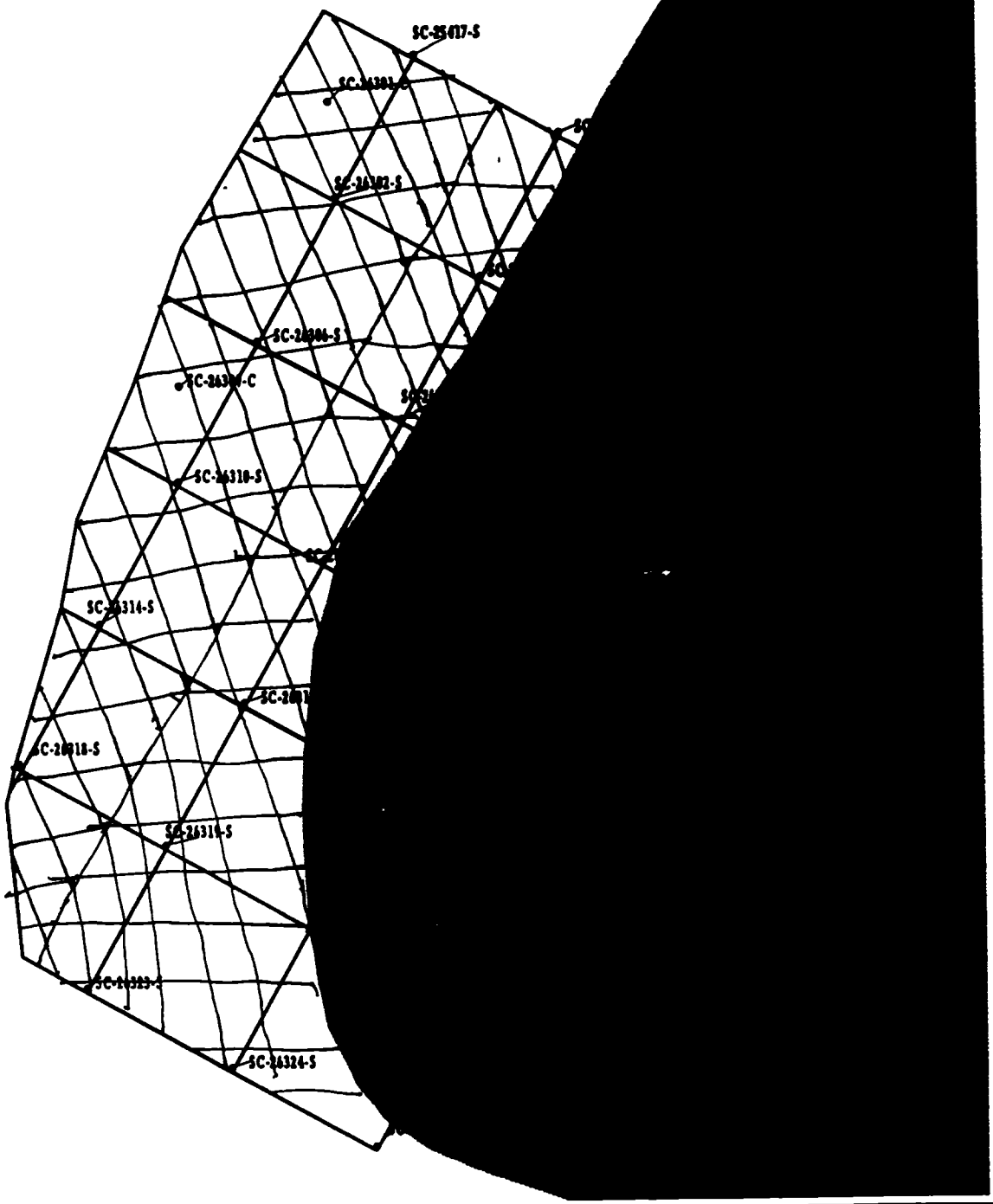
Radiation Survey Form WP 437, RU 21 CU 262

10-22-99

DHD CAD

Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	127252	Detector Serial #:	DOE # 4241
Calibration Due:	9-2-00	Calibration Due:	01-24-00
Survey Date / Time:	10-18-99	Field Bkg.:	10,000 cpm
Surveyor(s):	J. Ramirez		
Comments:	All areas < 1.5 BKG		

Radiation Survey Form WP 437, RU021 CU263



Surveyed AREA

WSSRAP GIS

15 7.5 0 METERS

45 22.5 0 FEET

N W E S

Meter Model#: 2221

Meter Serial#: 2172

Calibration Due: 11.20.99

Survey Date/Time: 1000 10/2/98

Surveyor(s): ~~C. Hanner~~ J. Michel

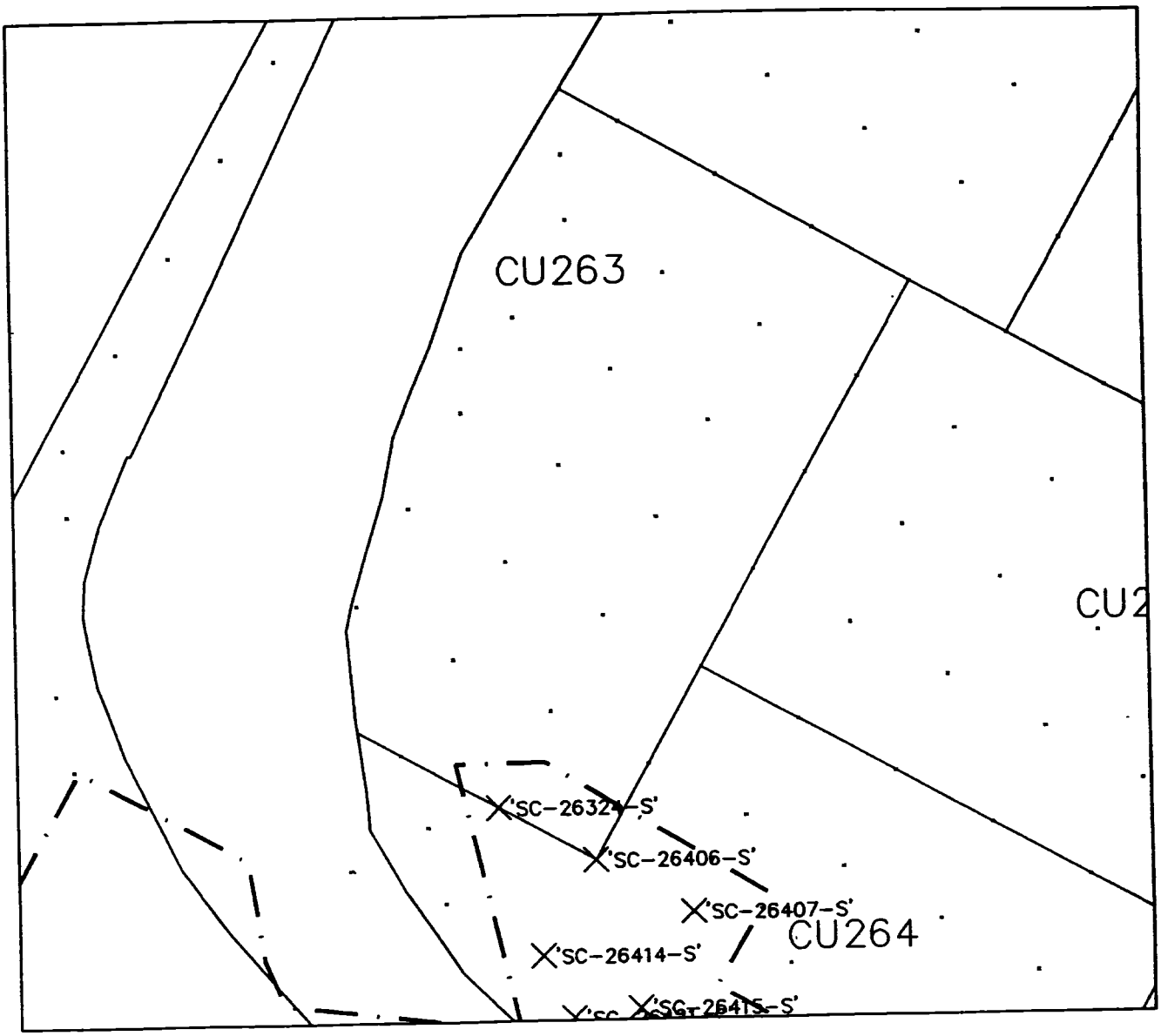
Detector Model#: NaI (2x2)

Detector Serial#: K

Calibration Due: 1/21/99

Field Bkg.: 10K – 35K

Comments: Above area surveyed < 1.5 x BKGd Background Fluctuates due to exposed sludge in area.



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 263

9/1/99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "B"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date / Time:	8/30/99	Field Bkg.:	12,000 cpm (Shielded)
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background

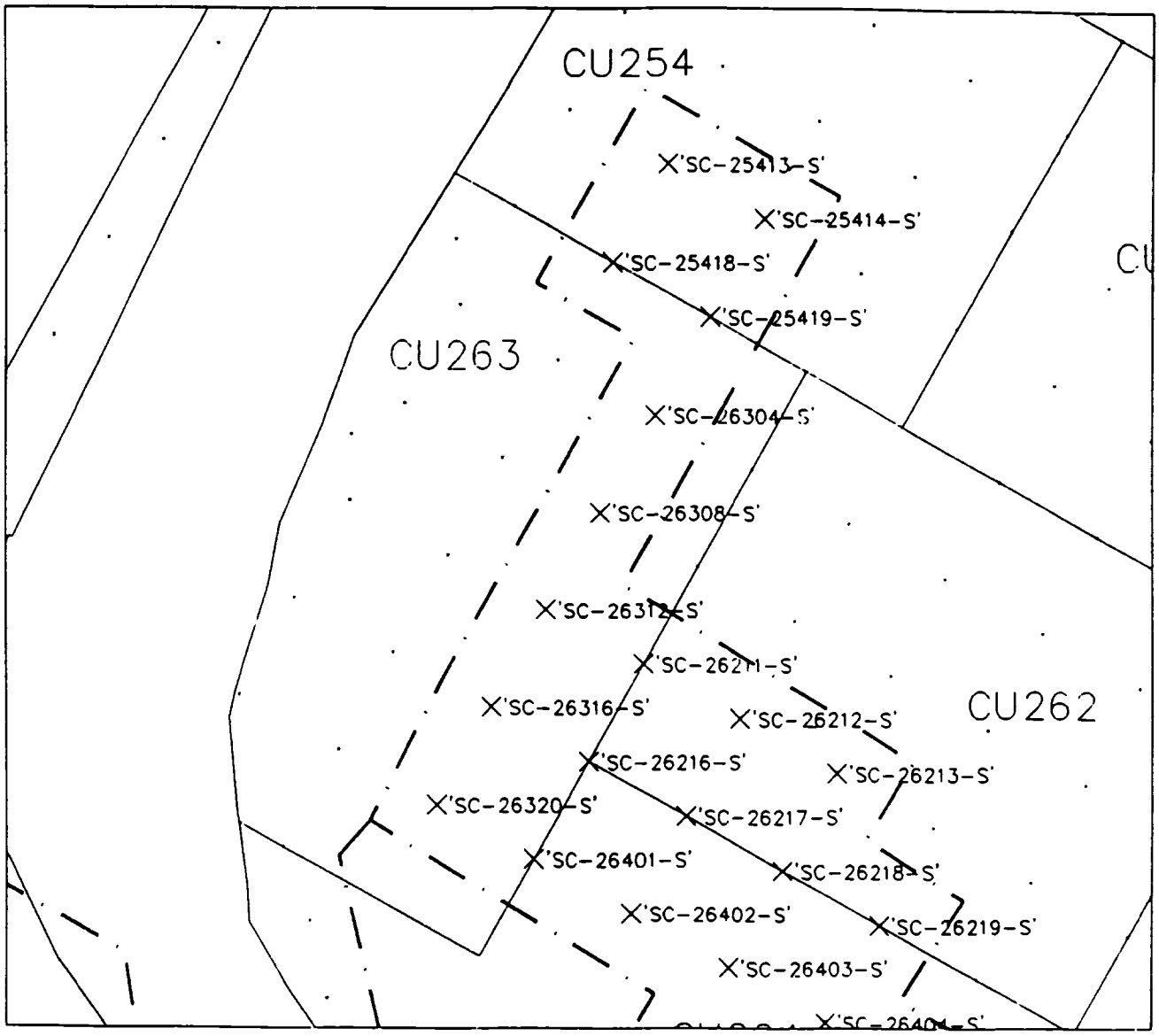
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

·	SAMPLE POINTS NOT PINNED
X'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 263

9-15-99 DHO CAD

Meter Model #	2221	Detector Model #	2929
Meter Serial #	117607	Detector Serial #	25143
Calibration Due	12/18/99	Calibration Due	1/24/00
Survey Date Time	9/14/99	Field Bkg	12.000
Surveyor(s)	T. Brown		
Comments	All readings <1.5 Bkg		

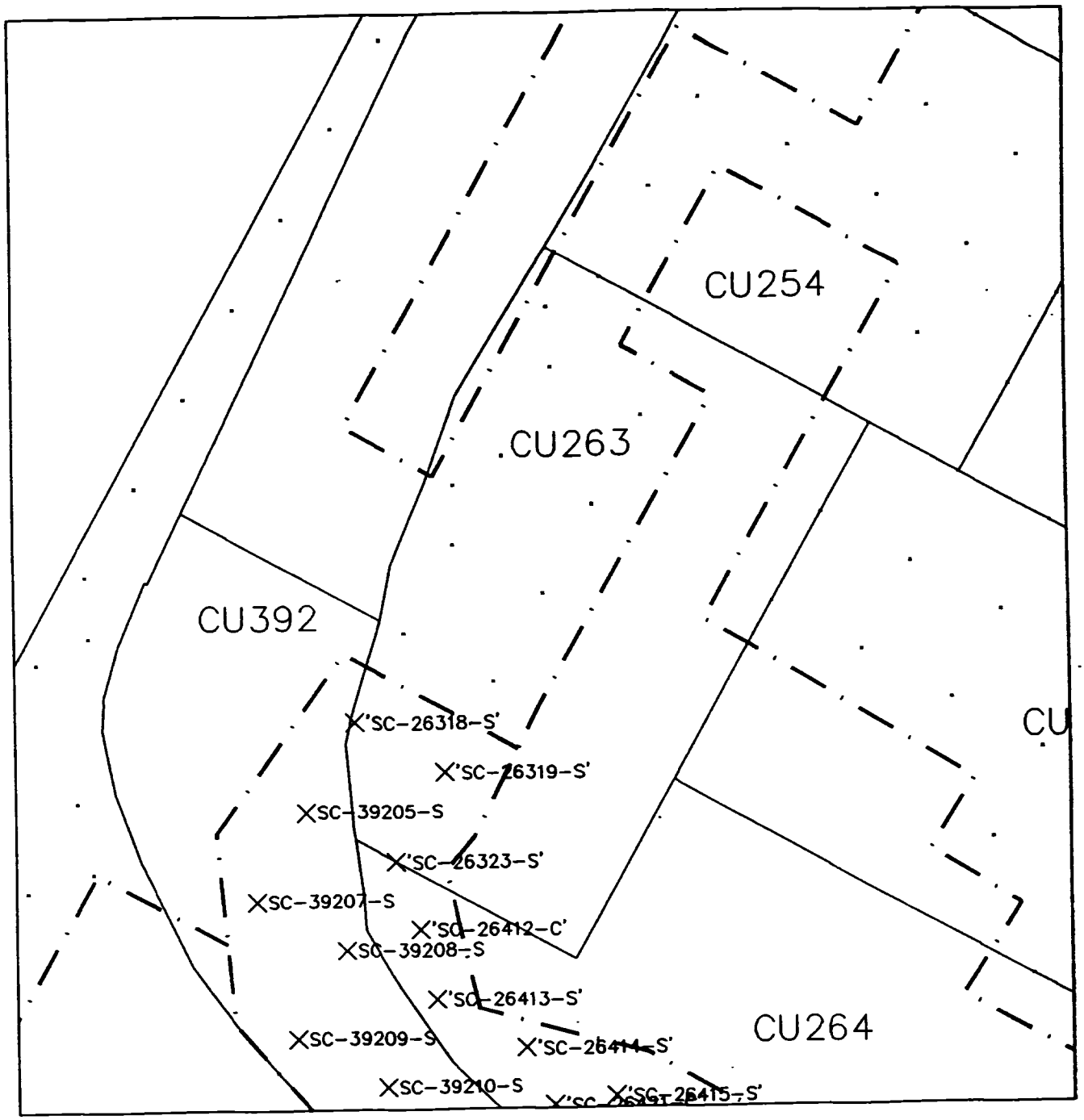
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

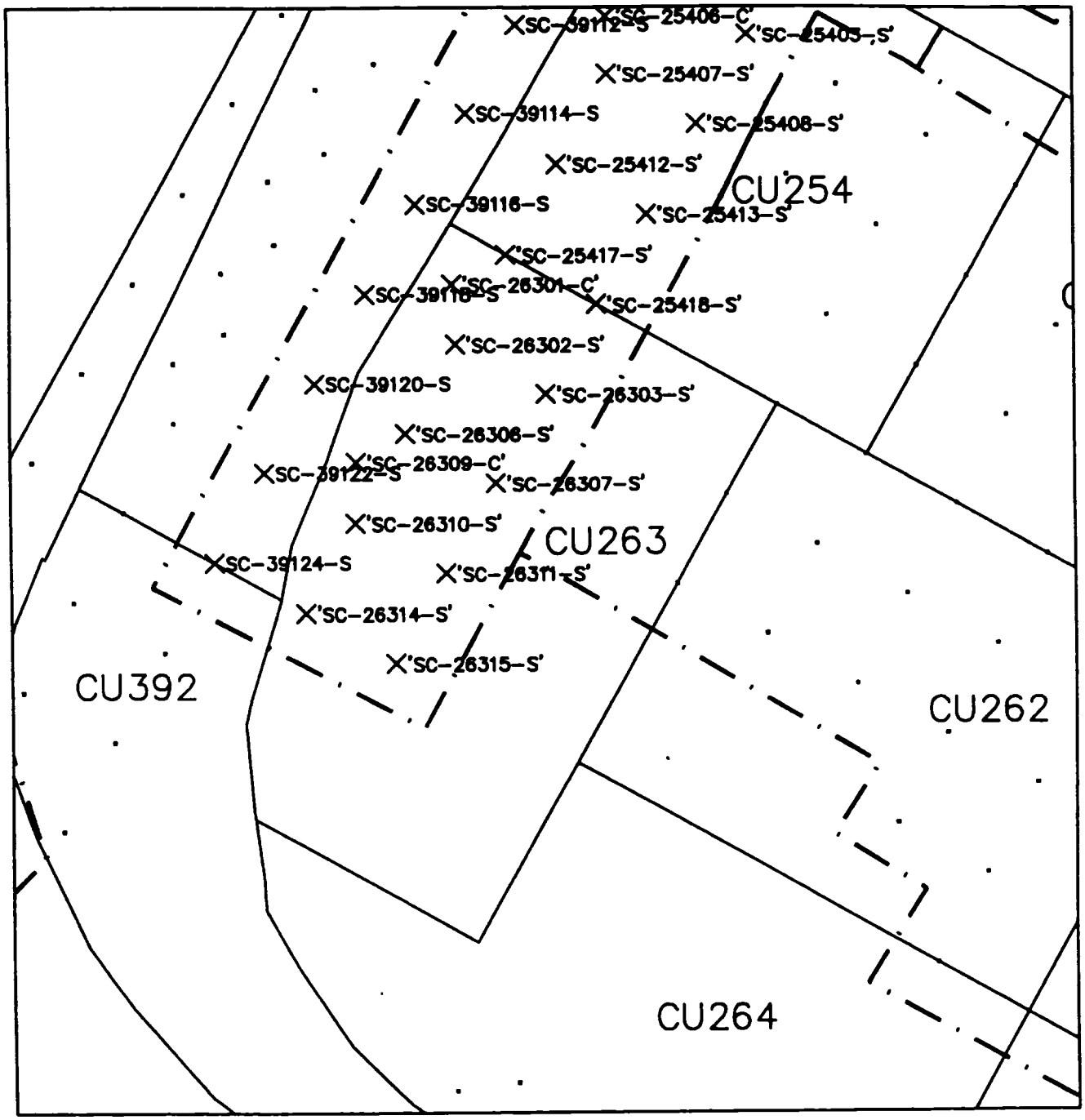
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 263

9-30-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2+2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Franklin		
Comments:	All meas <1.5 Bkg		



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

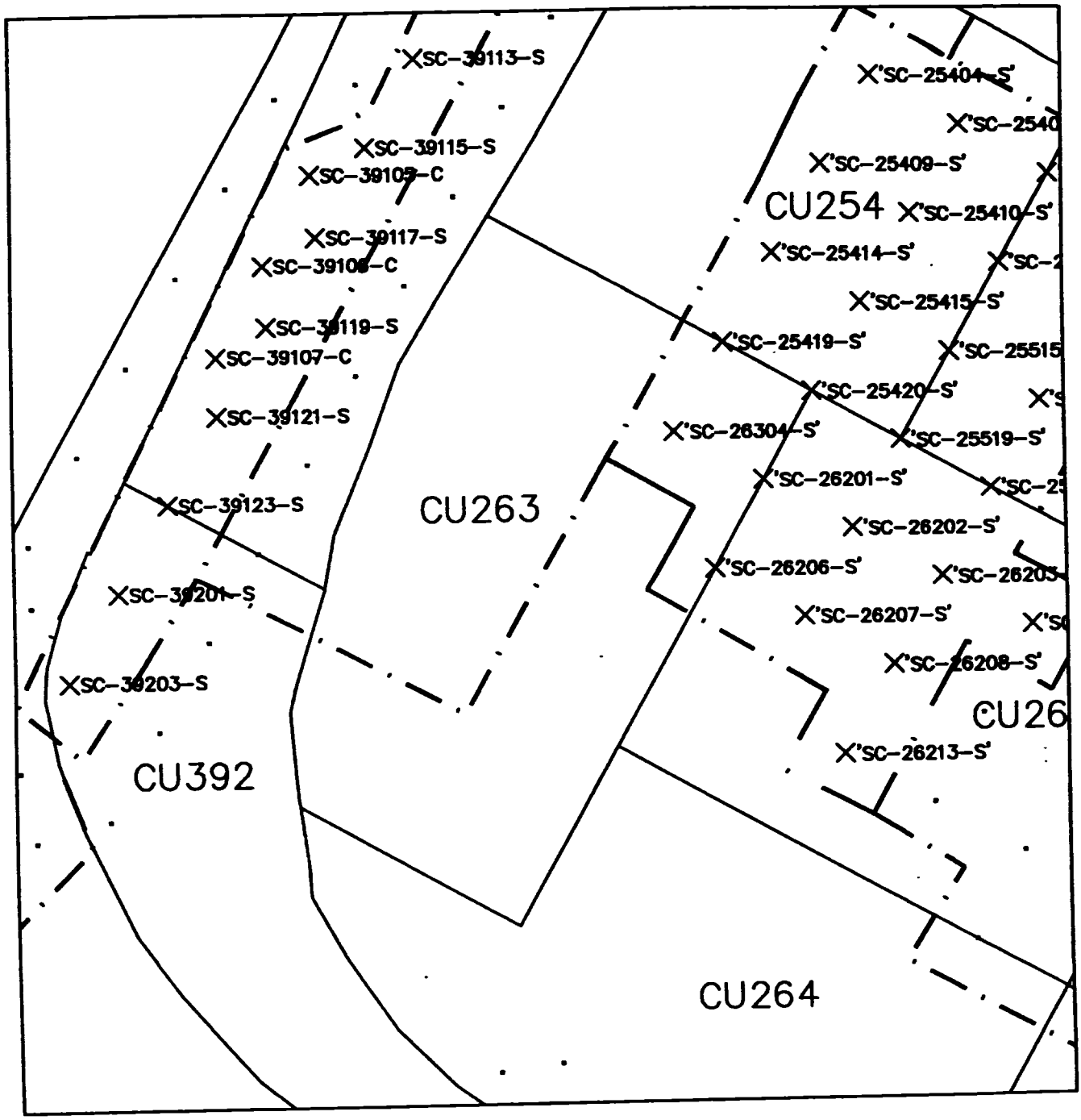
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 263

10-5-99

DBD CAD

Meter Model #:	2221	Detector Model #:	2x2"a"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Date:	12/18/99	Calibration Date:	11/29/00
Survey Date / Time:	9/28/99	Field Bkg.:	12,000c PM
Surveyor(s):	T. Brewer		
Comments:	All readings 11.5 BKg		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

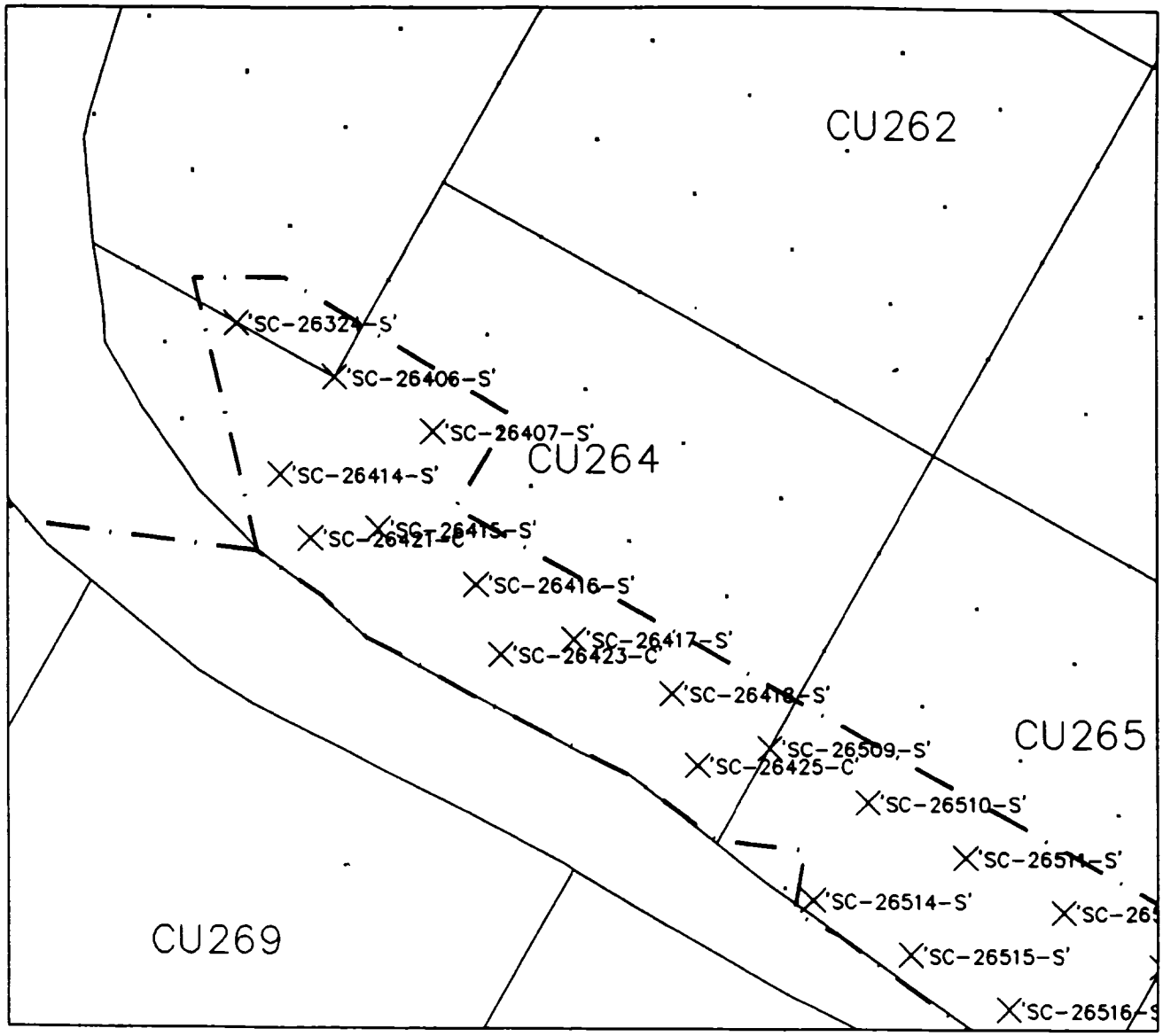
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 263

10-11-99

DEO CAD

Meter Model #:	2221	Detector Model #:	242 "6"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Due:	1/24/00
Survey Date / Time:	10/7/99	Field Bkg.:	10,000 CPM
Surveyor(s):	J. Brewer		
Comments:	All readings 4.5 BKg		



LEGEND

·	SAMPLE POINTS NOT PINNED
×'SC-32606-S'	SAMPLE POINTS PINNED
— · — · —	PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 264

9/1/99

DEIO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaC "G"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due	12/18/99	Calibration Due.	1/24/00
Survey Date / Time:	8/30/99	Field Bkg	13,000 cpm (Shielded)
Surveyor(s).	C. Hamm		

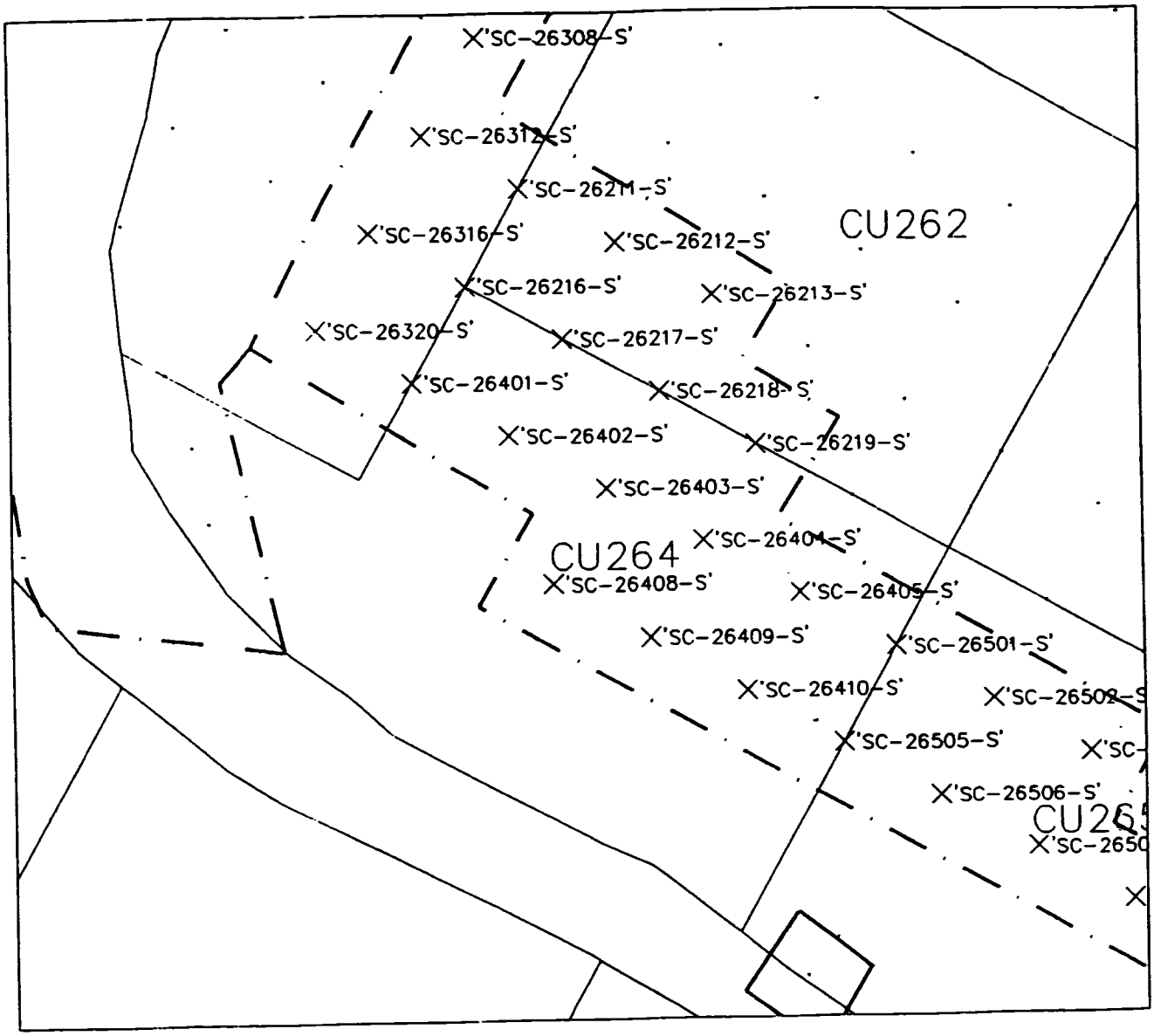
Comments: Area was surveyed and found to be less than 1.5 times background

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 264

9-15-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 Q
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date Time:	9/14/99	Field Bkg.:	12,000
Surveyor(s):	T. Brower		
Comments:	All readings 81.5 Bkg		

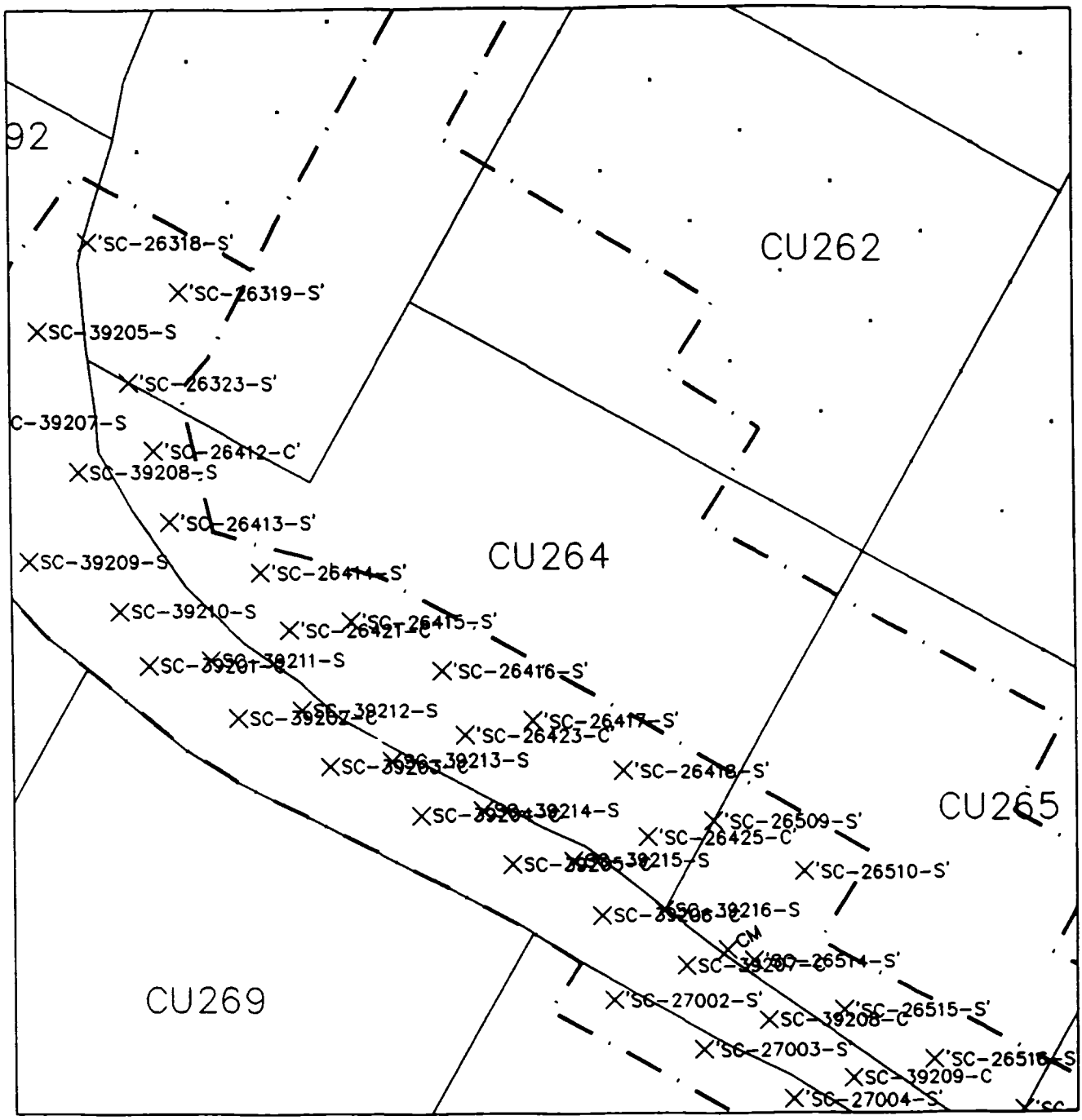
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

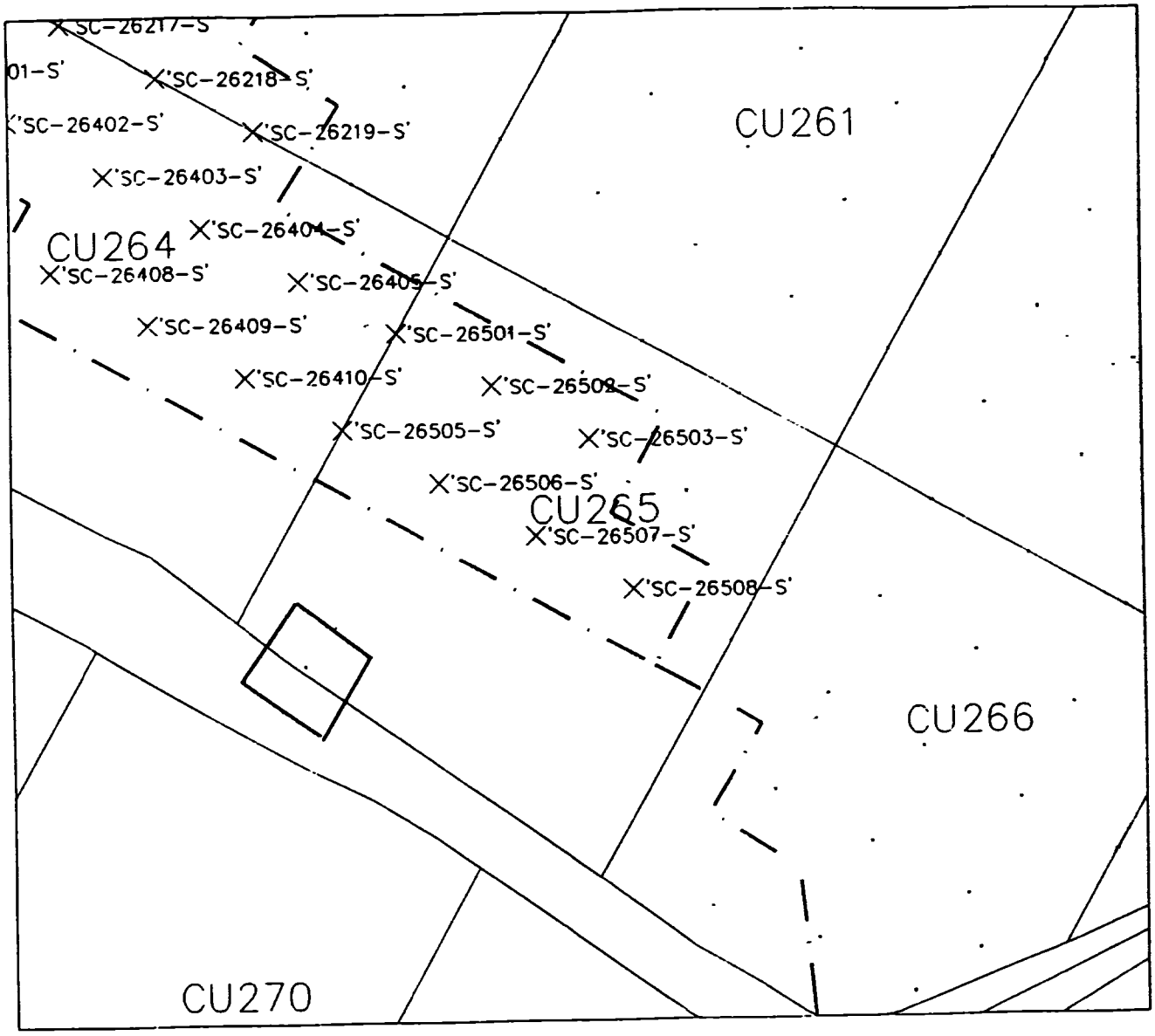
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 264

9-30-99

DHO CAD

Meter Model # :	2221	Detector Model #:	2.2 D
Meter Serial # :	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg.	17,000 cpm
Surveyor(s).	J. Rankin		
Comments:	All areas < 1.5 BKG.		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 265

9-15-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2Q
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date Time:	12/TPA 9/14/99	Field Bkg.:	12,000
Surveyor(s):	T. Brewer		
Comments:	All readings <1.5 Bkg		

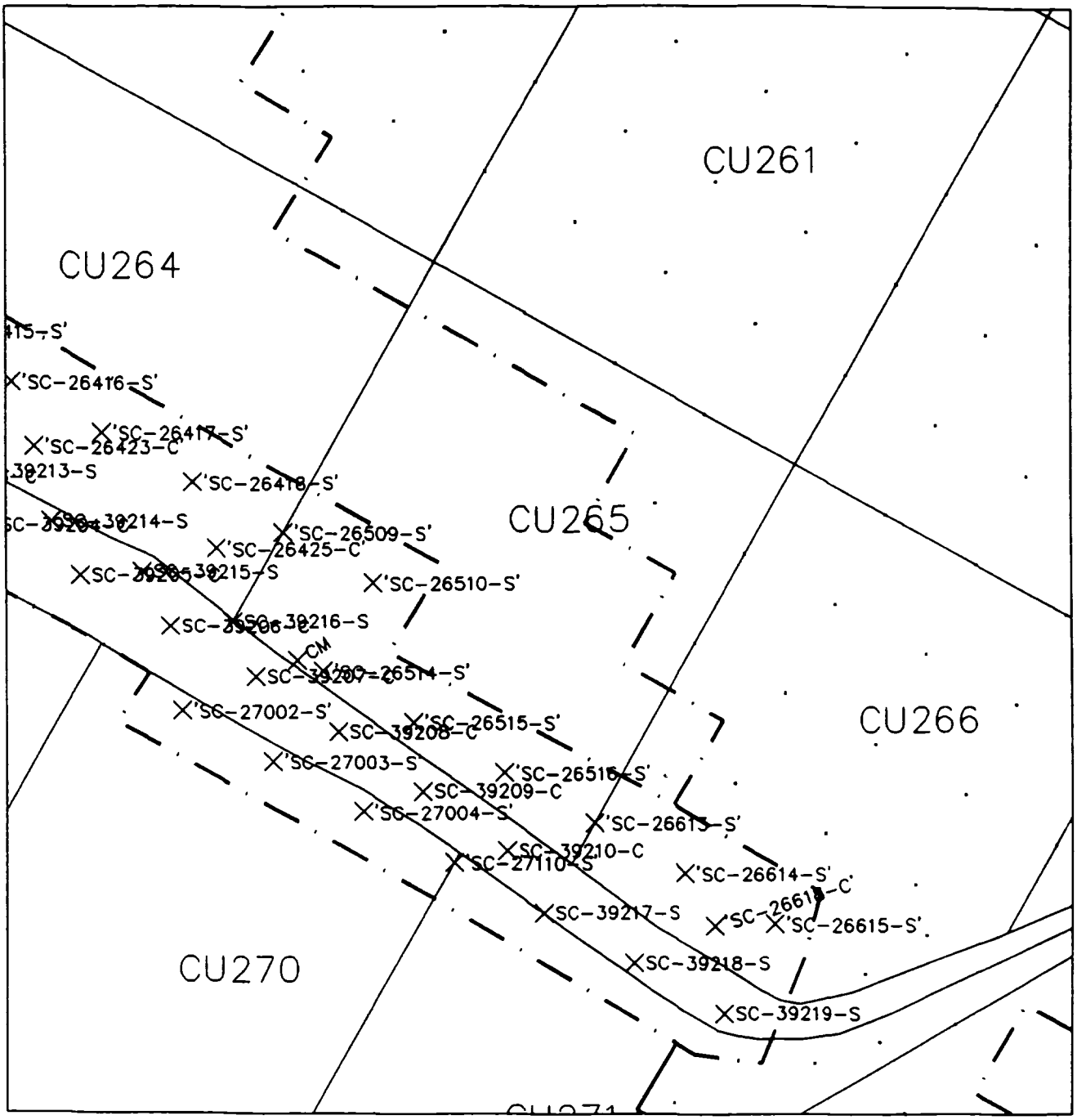
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

× 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

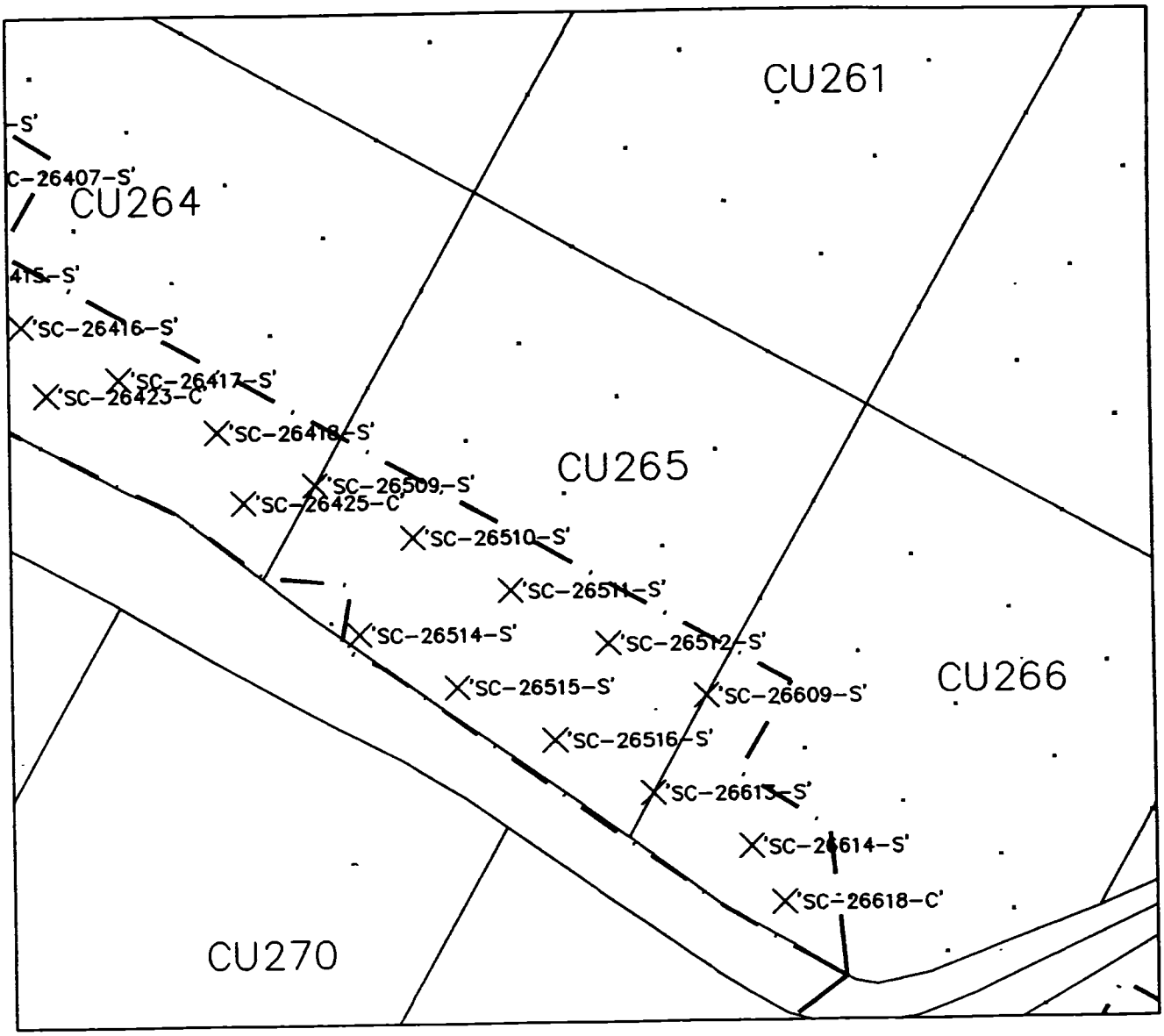
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 265

9-30-99

DHO CAD

Meter Model #:	2221	Detector Model #:	9x2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Duc.	12-18-99	Calibration Duc:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Frank		
Comments:	All meas 41.5 BKG.		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 265

9/1/99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "B"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/15/99	Calibration Due:	1/24/00
Survey Date / Time:	8/30/99	Field Bkg.:	12,000 cpm (shielded)
Surveyor(s):	C. Hanson		

Comments: Area was surveyed and found to be less than 1.5 times background

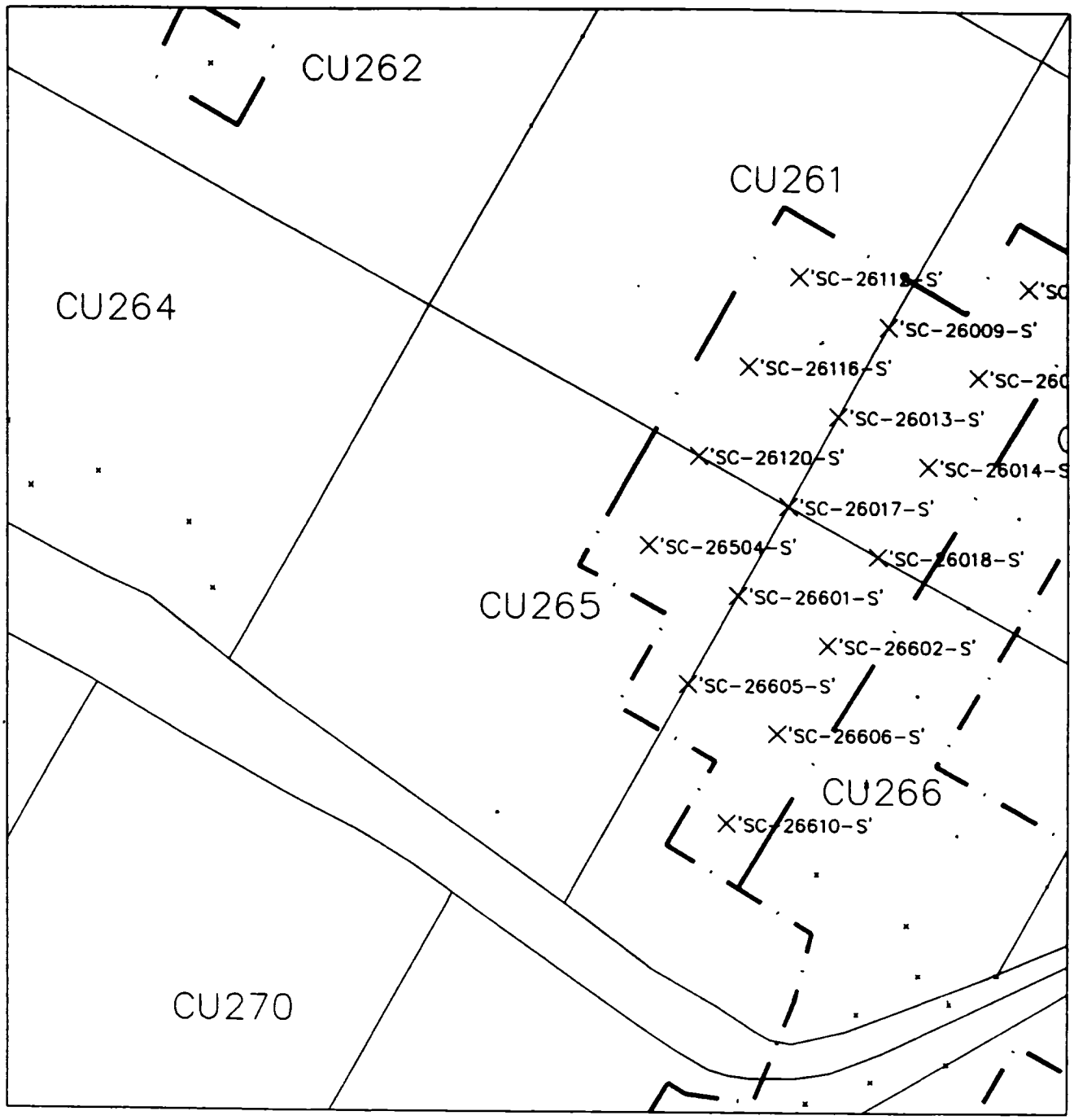
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

'SC-32606-S' — SAMPLE POINTS NOT PINNED

SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

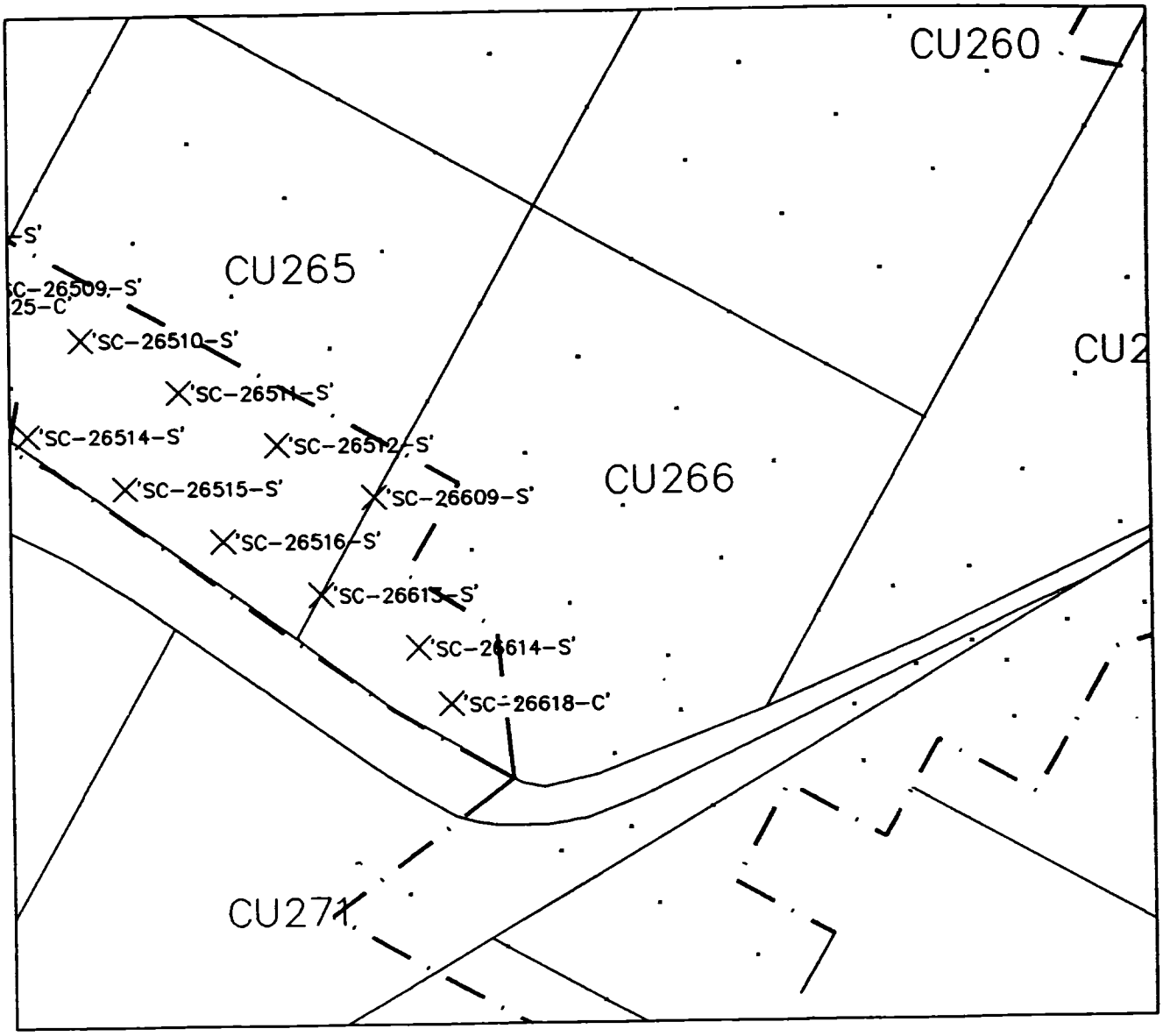
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 **CU** 265

10-22-99

DEID CAD

Meter Model #:	2221	Detector Model #:	2x2
Meter Serial #:	127252	Detector Serial #:	DOE # 4741
Calibration Due:	9-2-00	Calibration Due:	01-24-00
Survey Date / Time:	10-19-99	Field Bkg.:	10k cpm
Surveyor(s):	J. Rankin		
Comments:	All areas < 1.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

— · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 266

9/1/99 DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	1/24/00
Survey Date / Time:	8/30/99	Field Bkg.:	12,000 cpm (Building)
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background

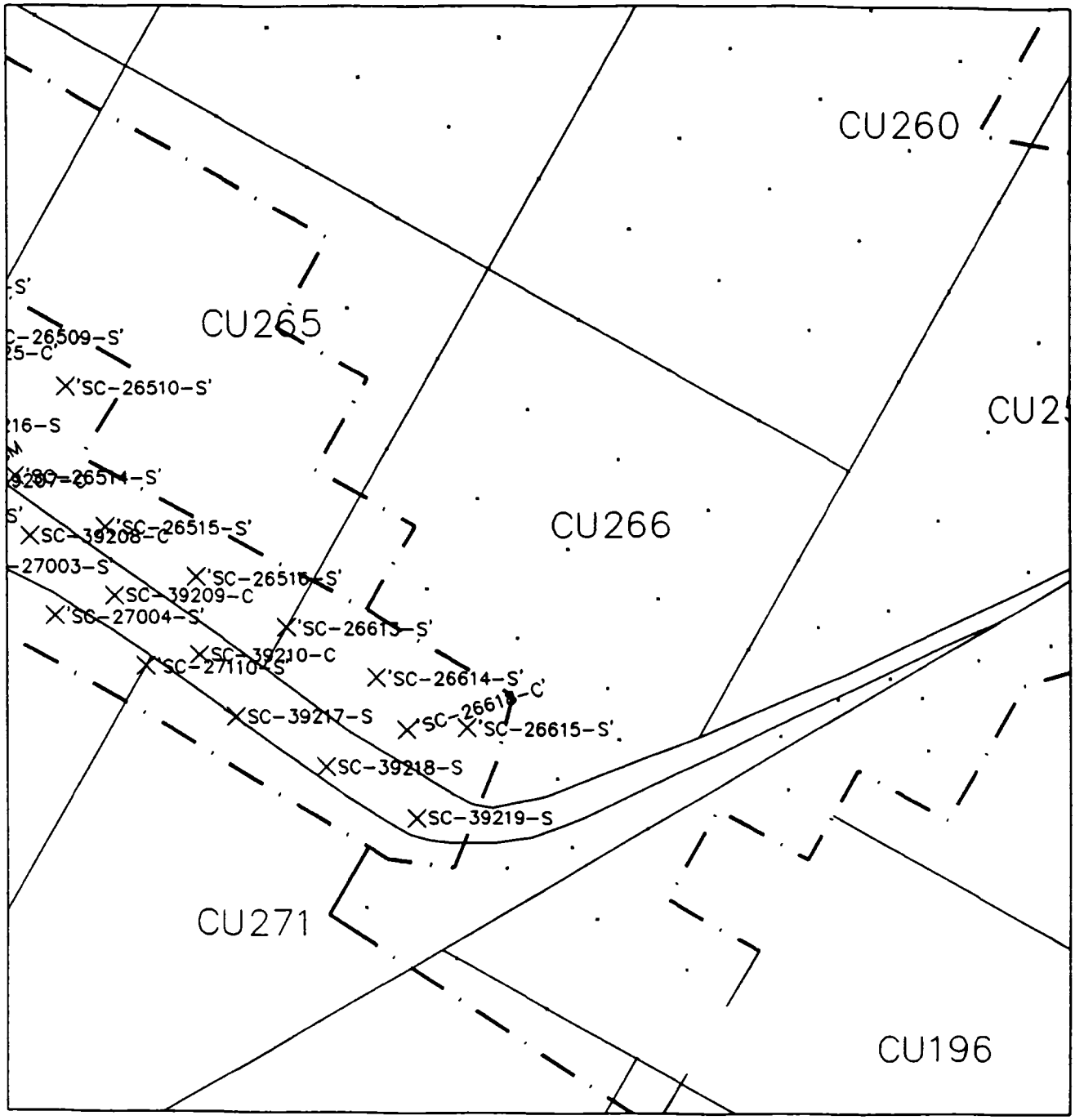
N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

× 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

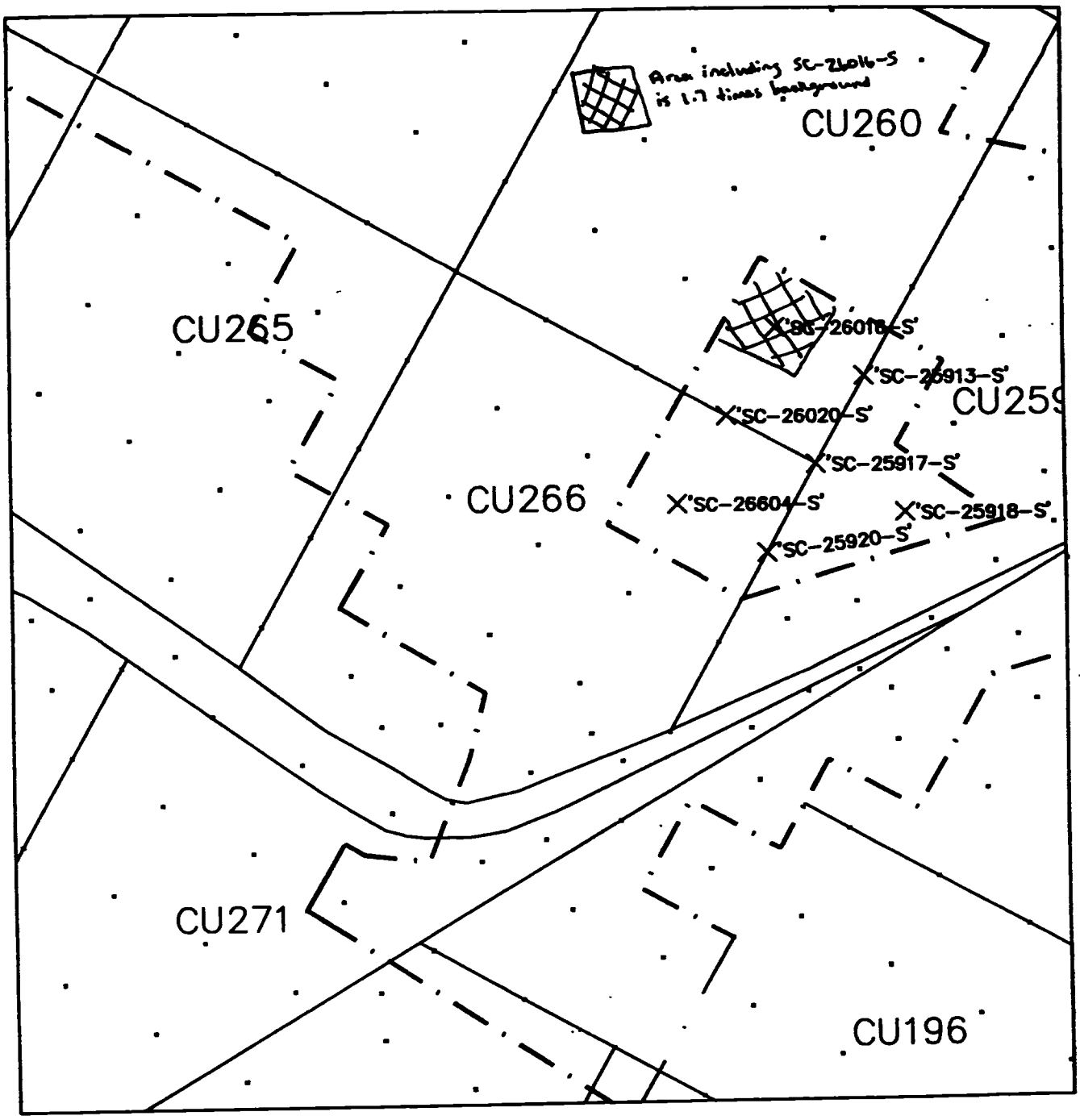
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 266

9-30-99

DBO CAD

Meter Model #:	2224	Detector Model #::	262 "Q"
Meter Serial #	117607	Detector Serial #:	25143
Calibration Due.	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg..	12,000 cpm
Surveyor(s).	[illegible]		
Comments.	All meas < 1.5 BKG.		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

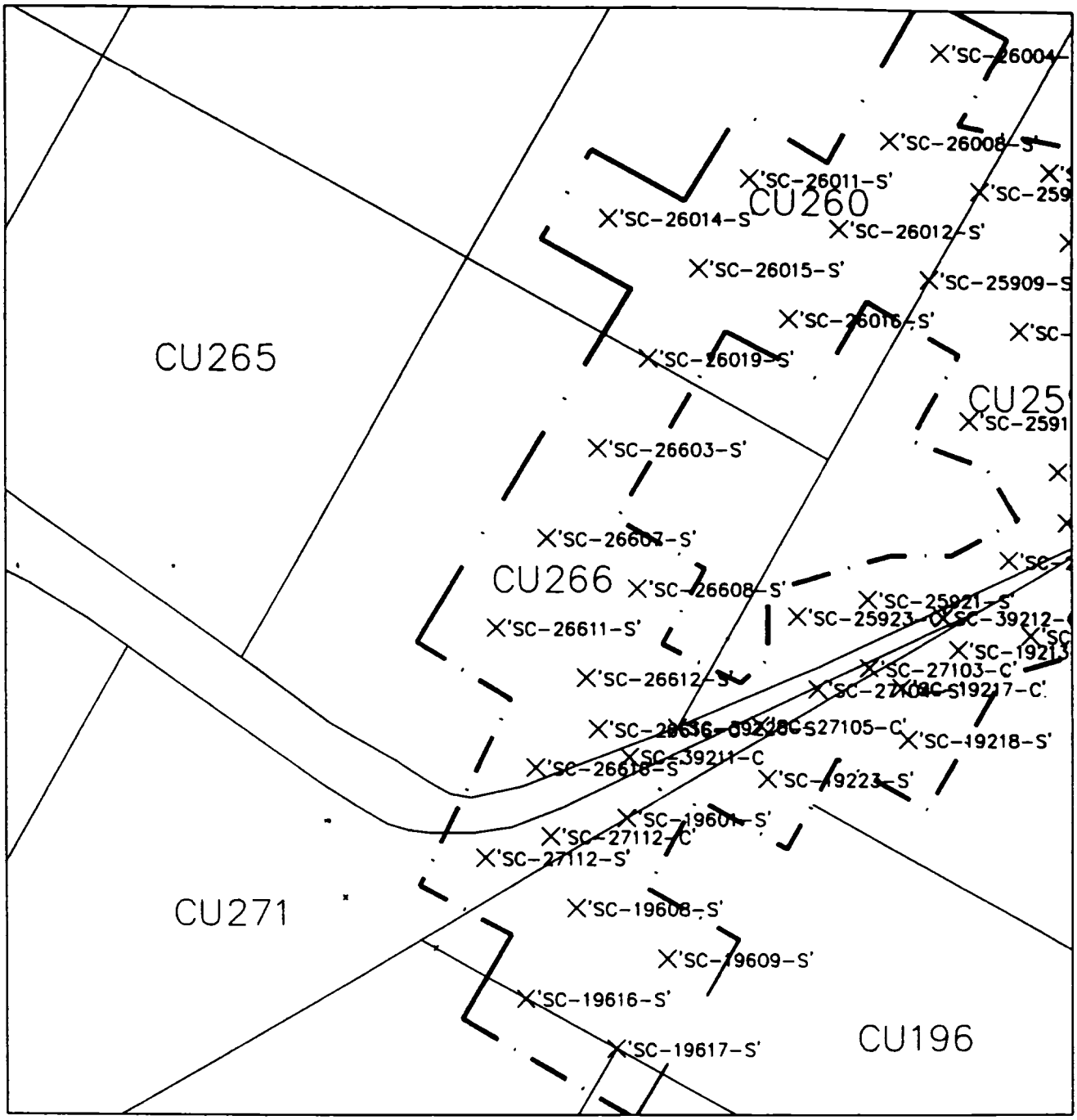
Radiation Survey Form WP 437, RU 21 CU 266

10-12-99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9-2-00	Calibration Date:	1-24-00
Survey Date / Time:	10/12/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

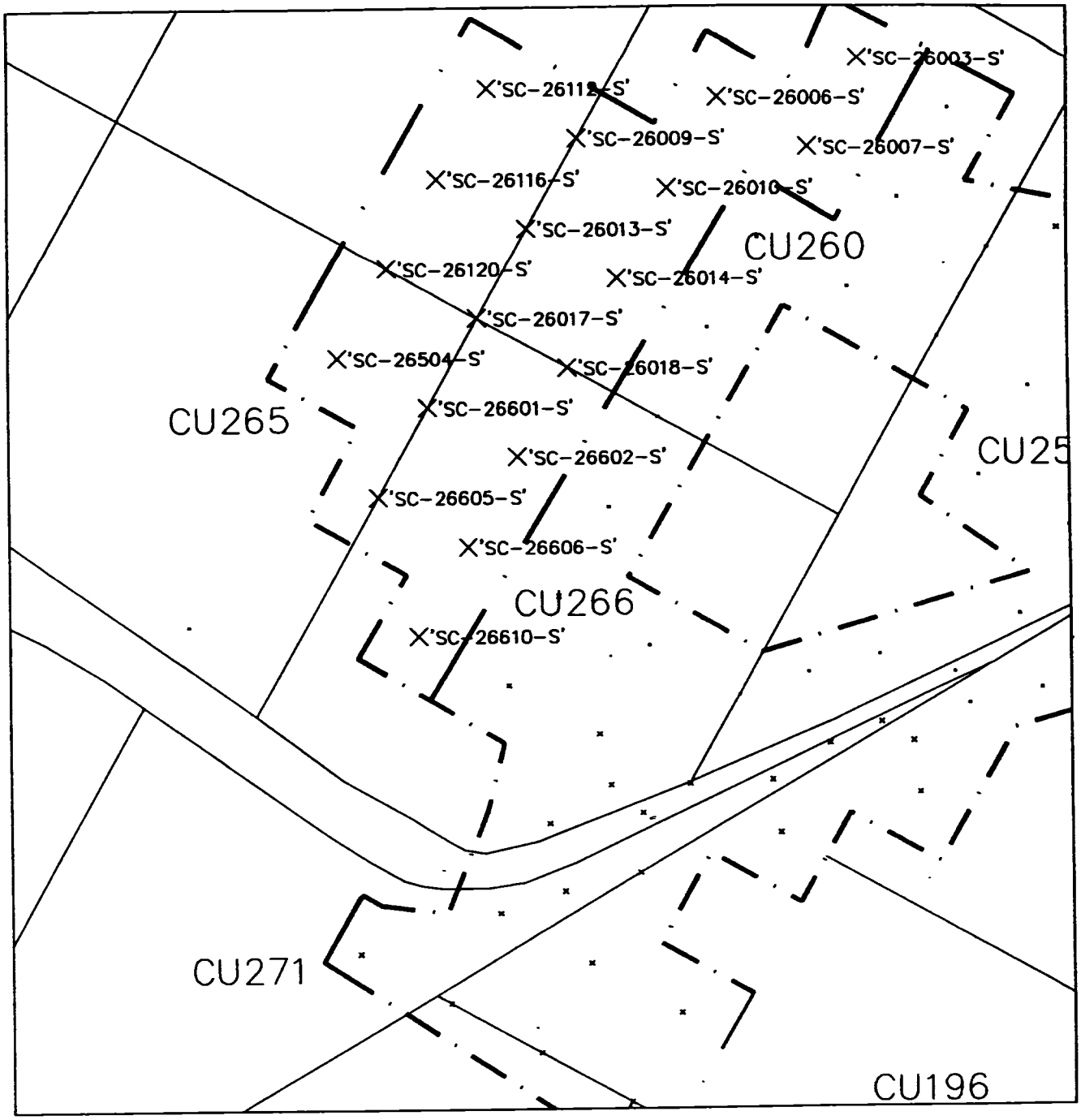
Radiation Survey Form WP 437, RU 21 **CU** 266

10/26/99

DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127252	Detector Serial #:	4641
Calibration Due:	9/2/00	Calibration Due:	1/24/00
Survey Date / Time:	10/25/99	Field Bkg.:	8,000 cpm
Surveyor(s):	C. Hanna		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

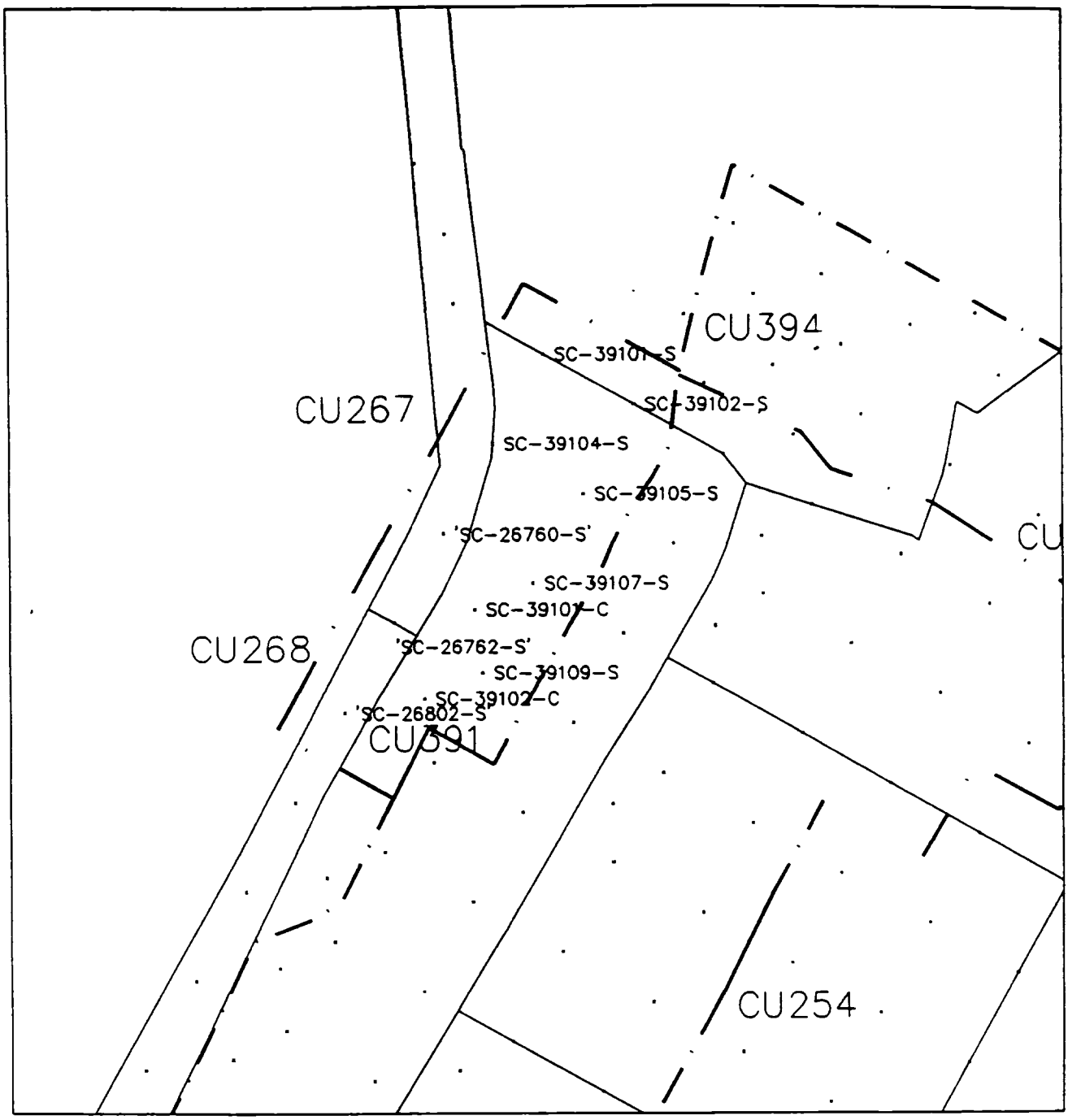
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 266

10-22-99

DEO CAD

Meter Model #:	2221	Detector Model #:	2.2
Meter Serial #:	127252	Detector Serial #:	DNE * 4241
Calibration Date:	9-2-00	Calibration Date:	01-24-00
Survey Date / Time:	10-19-99	Field Bkg.:	10K cp
Surveyor(s):	J. [illegible]		
Comments:	All meas 21.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

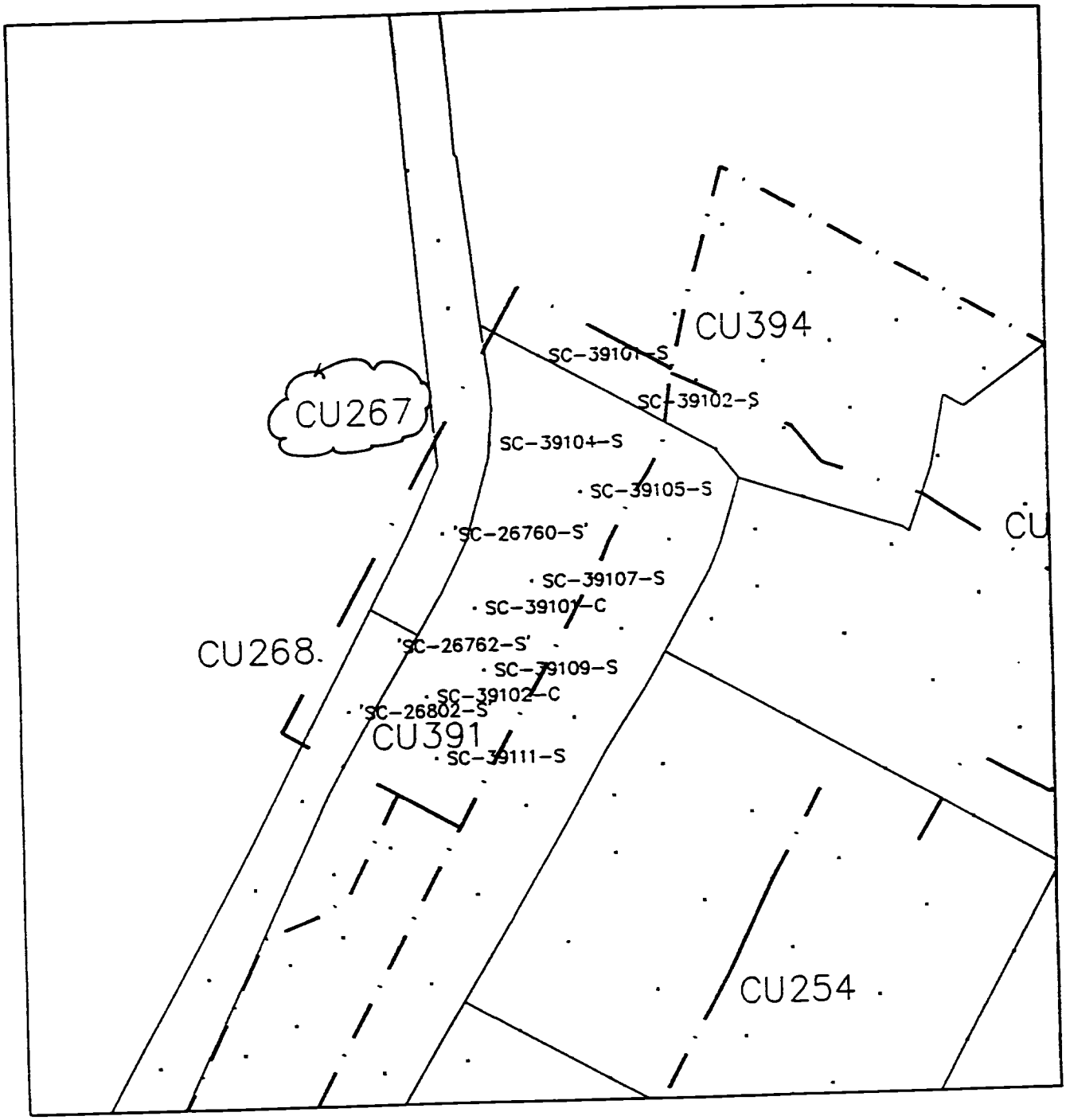
50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 267

REPLOT: 11/01/99 DBO CAD

Meter Model #:	2221	Detector Model #:	2.2 "6"
Meter Serial #:	127252	Detector Serial #:	BCE # 4241
Calibration Due:	09-02-00	Calibration Due:	01-24-00
Survey Date / Time:	10-28-99	Field Bkg.	8,000 cpm
Surveyor(s):	All areas < 1.5 BKG		
Comments:	[illegible]		



LEGEND

SAMPLE POINTS NOT PINNED

× 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.

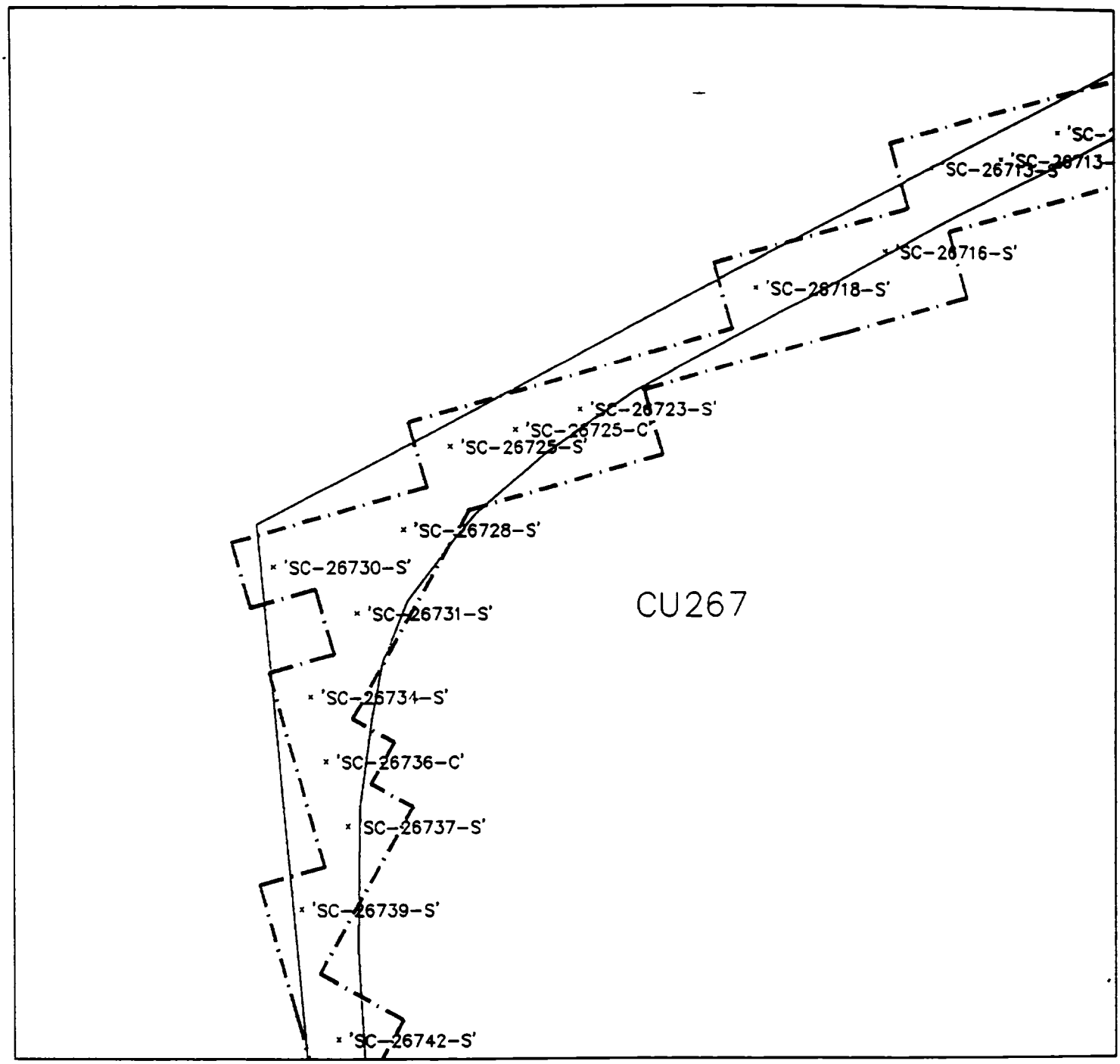
Radiation Survey Form WP 437, RU 21 CU 267

10/29/91

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Due:	1/4/00
Survey Date / Time:	10/27/99	Field Bkg.:	7000 cpm
Surveyor(s):	C Harmon		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

• 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

(IN FEET)

1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 267

Date Plotted 7/14/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Due:	2/9/01	Calibration Due:	1/21/01
Survey Date / Time:	7/13/00	Field Stg.	10,000CPM
Surveyor(s):	T. Brown		
Comments:	All soil <1.5 Bkg		

tumbarec <CPD. 07/14/00 [11ML. 1.41 PM] /

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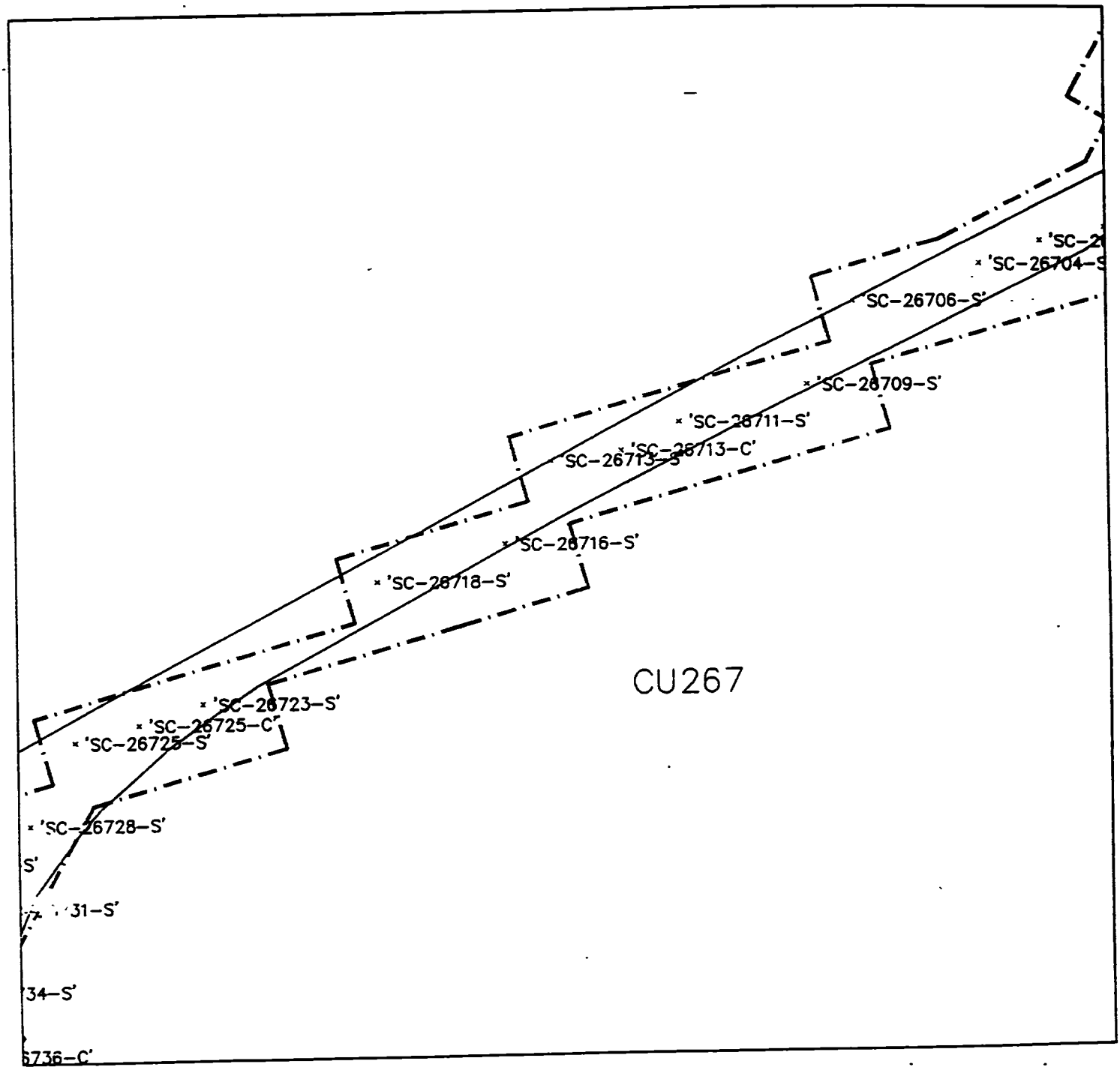


LEGEND

× 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

(IN FEET)

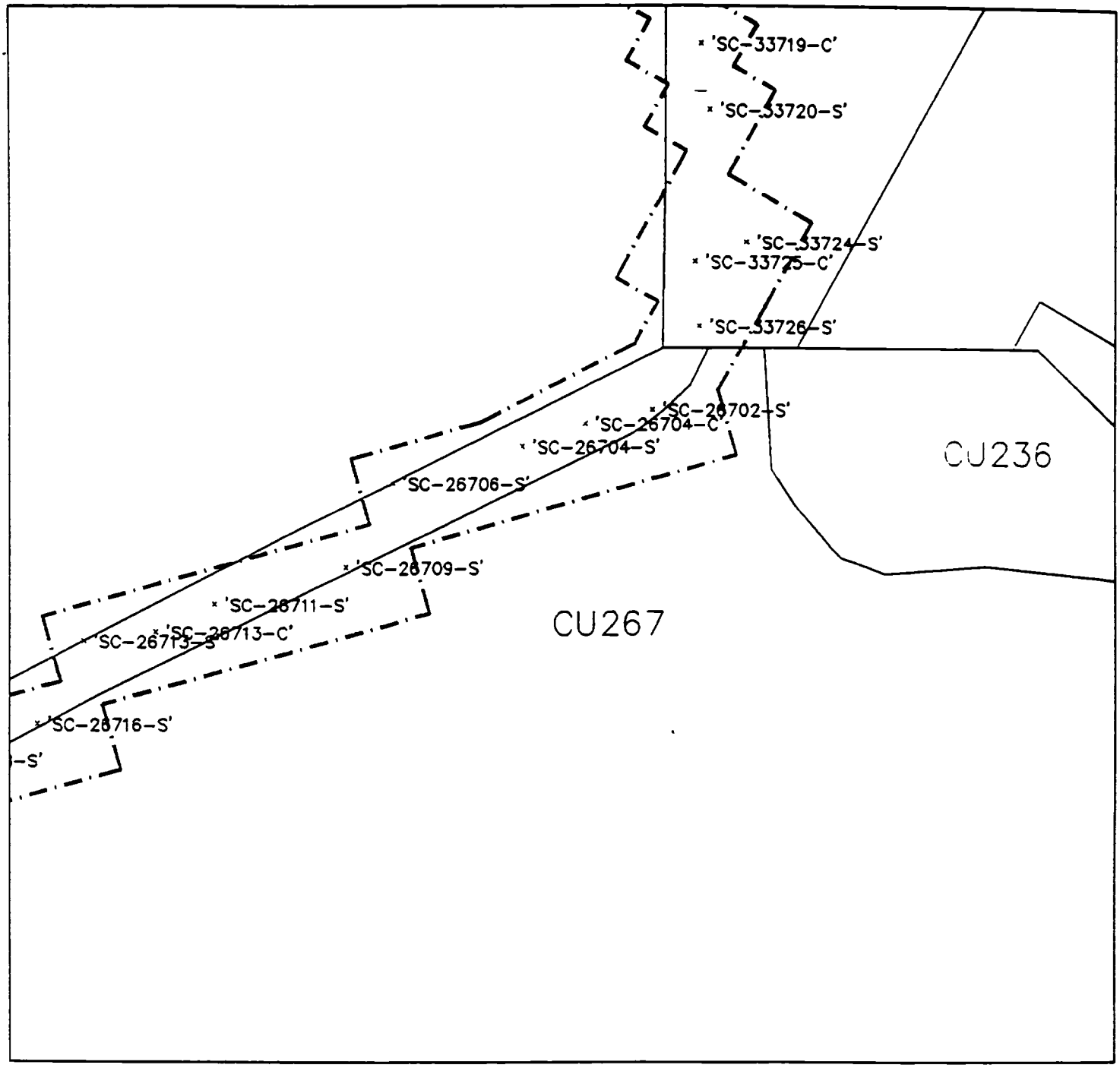
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 267

Date Plotted 7/14/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Due:	2/9/01	Calibration Due:	1/31/01
Survey Date Time:	7/12/00	Field Bkg.:	10,000 cpm
Surveyor(s):	T. Brown		
Comments:	All soil <1.5 Bkg		



LEGEND

• 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

(IN FEET)
1 inch = 50 ft.

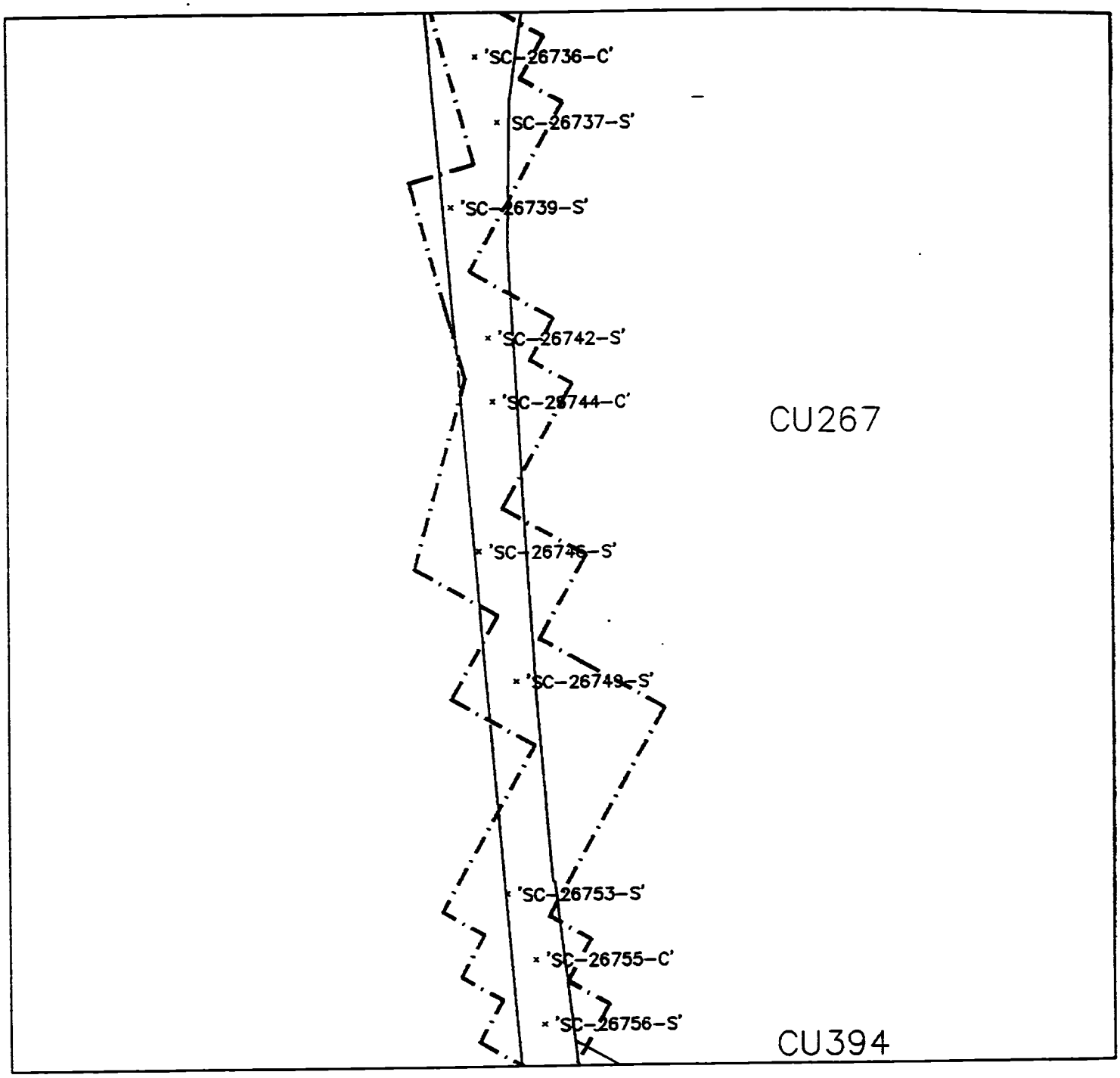
Radiation Survey Form WP 437, RU 21 CU 267

Date Plotted 7/14/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 "P"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Due:	2/9/01	Calibration Due:	1/21/01
Survey Date / Time:	7/13/00	Field Bkg.	10,000 CPM
Surveyor(s):	T. Brown		
Comments:	All soil <1.5 Bkg		

\Eleio_price\cdrive\sdsk\PROJ\CONUNIT\dwg\ conunits.dwg



LEGEND

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 50 100

(IN FEET)

1 inch = 50 ft.

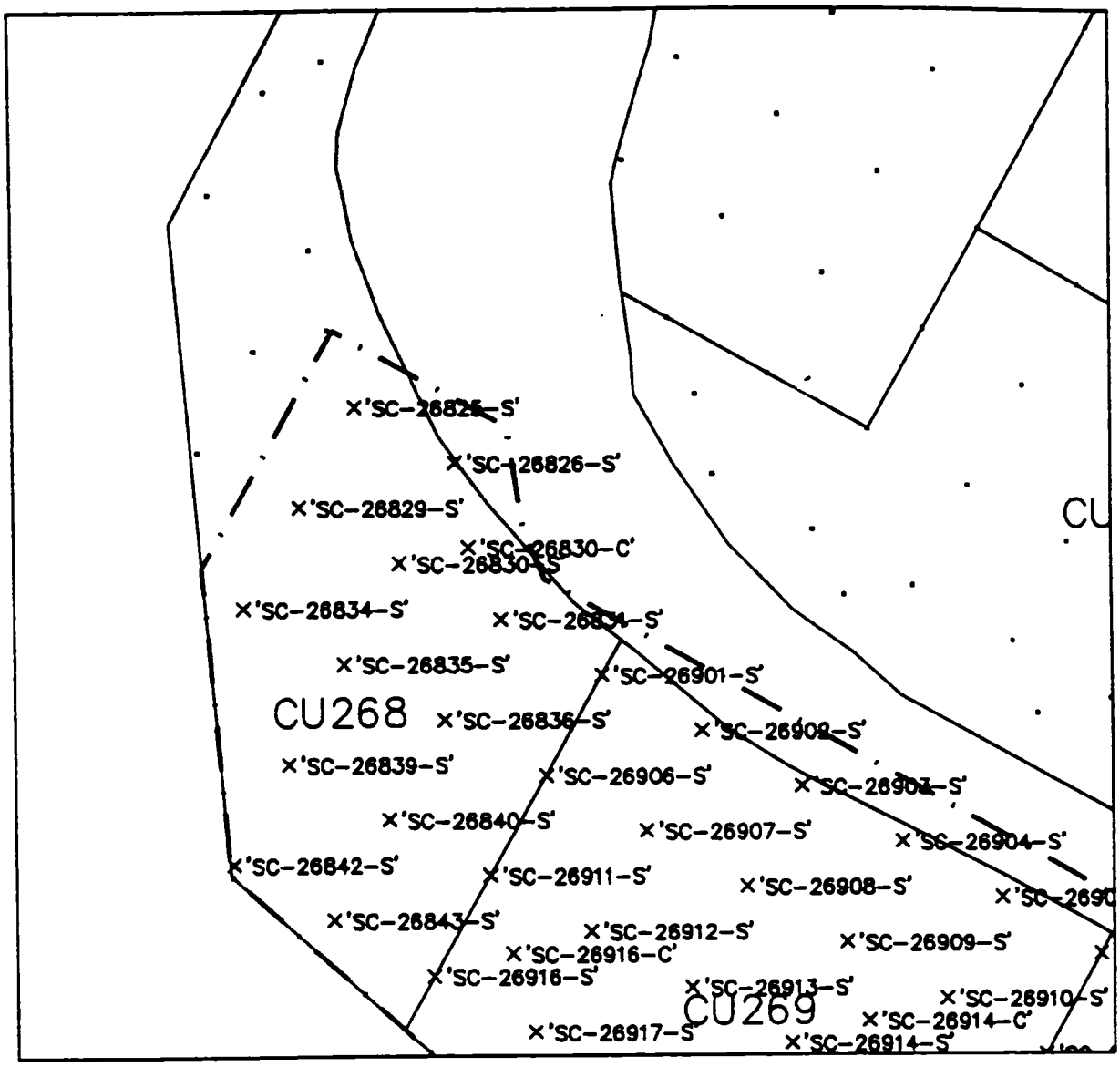
Radiation Survey Form WP 437, RU 21 CU 267

Date Plotted 7/14/00

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 "p"
Meter Serial #:	154199	Detector Serial #:	17606
Calibration Due:	2/9/01	Calibration Due:	1/21/01
Survey Date / Time:	7/13/00	Field Bkg.:	10,000 CPM
Surveyor(s):	T. Brower		
Comments:	All soil readings <1.5 Bkg		

\Eleio price\cdrive\sdsk\PROJ\CONUNIT\dwg\ conunits.dwg



LEGEND

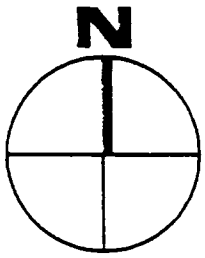
- · 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 268

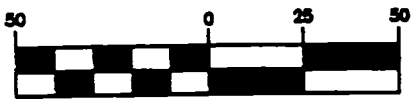
DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122191
Calibration Due:	9/25/99	Calibration Due:	11/24/00
Survey Date / Time:	6/24/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hamer		

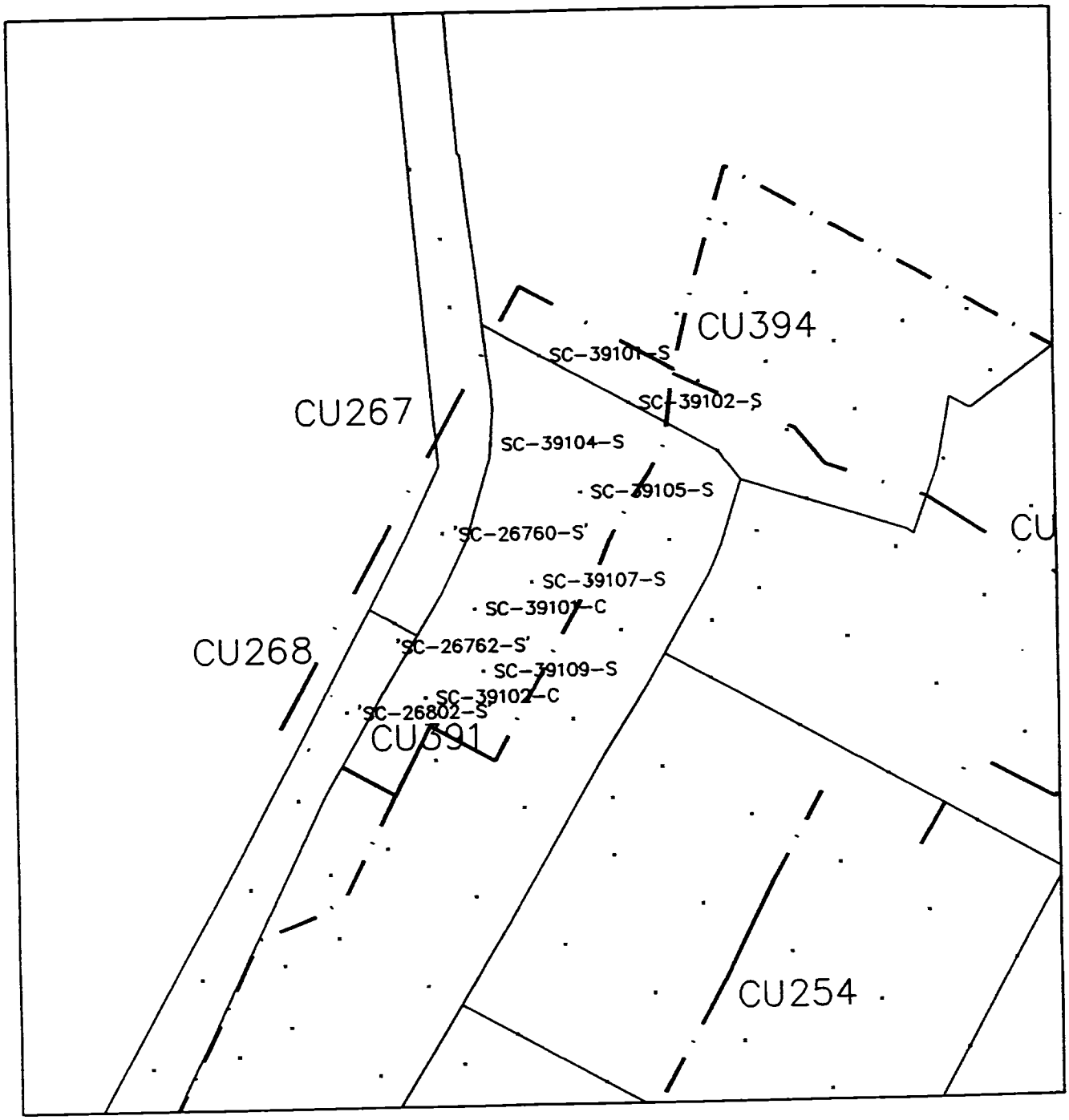
Comments: Area was surveyed and found to be less than 1.5 times background



GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

× 'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

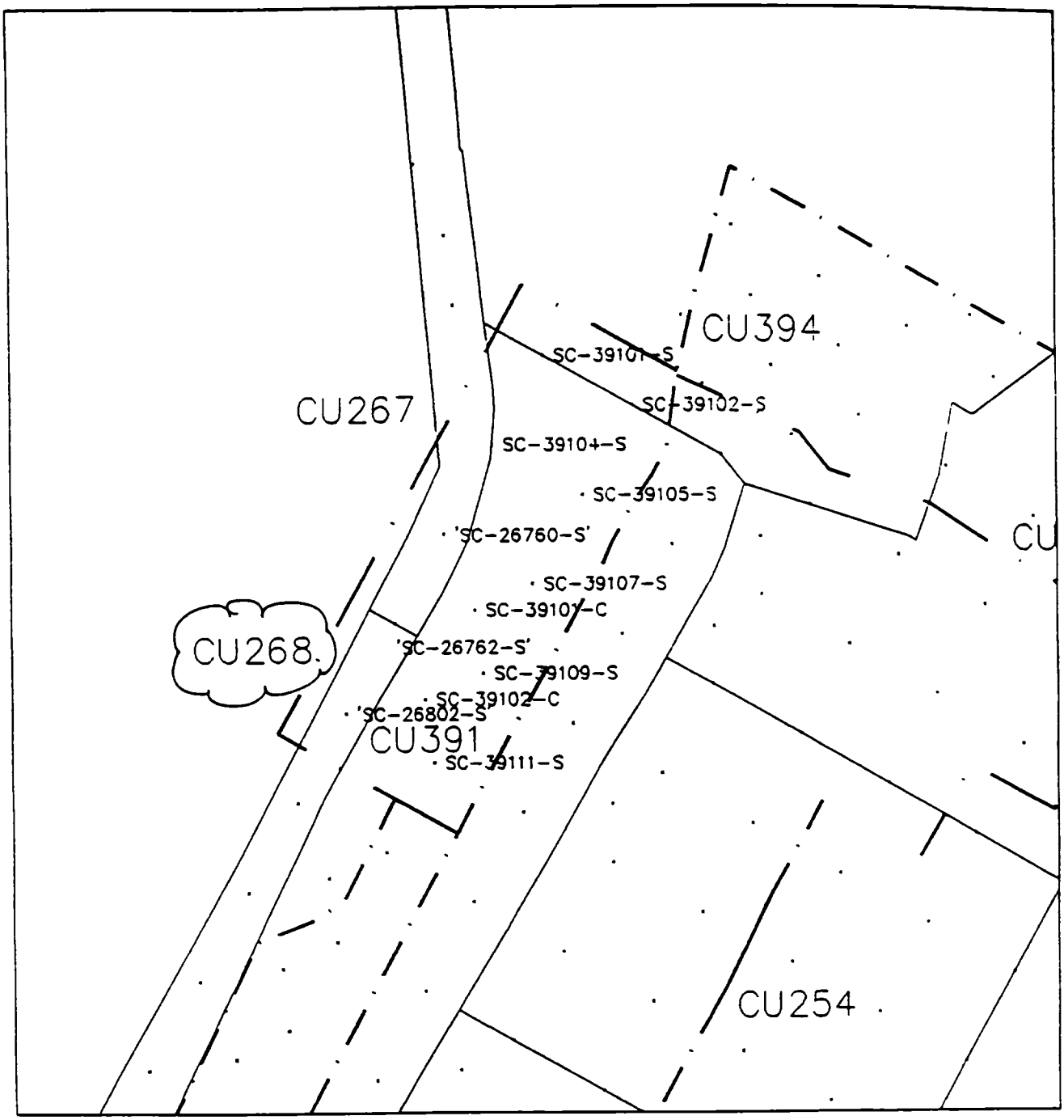
50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 268

REPLOT: 11/01/99 DBO CAD

Meter Model #:	2221	Detector Model #:	2-2 "G"
Meter Serial #:	127252	Detector Serial #:	BDE # 4241
Calibration Due:	09-02-00	Calibration Due:	01-24-00
Survey Date / Time:	10-28-99	Field Bkg.:	8,000 cpm
Surveyor(s):	J. Rank		
Comments:	All areas < 1.5 BKG		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

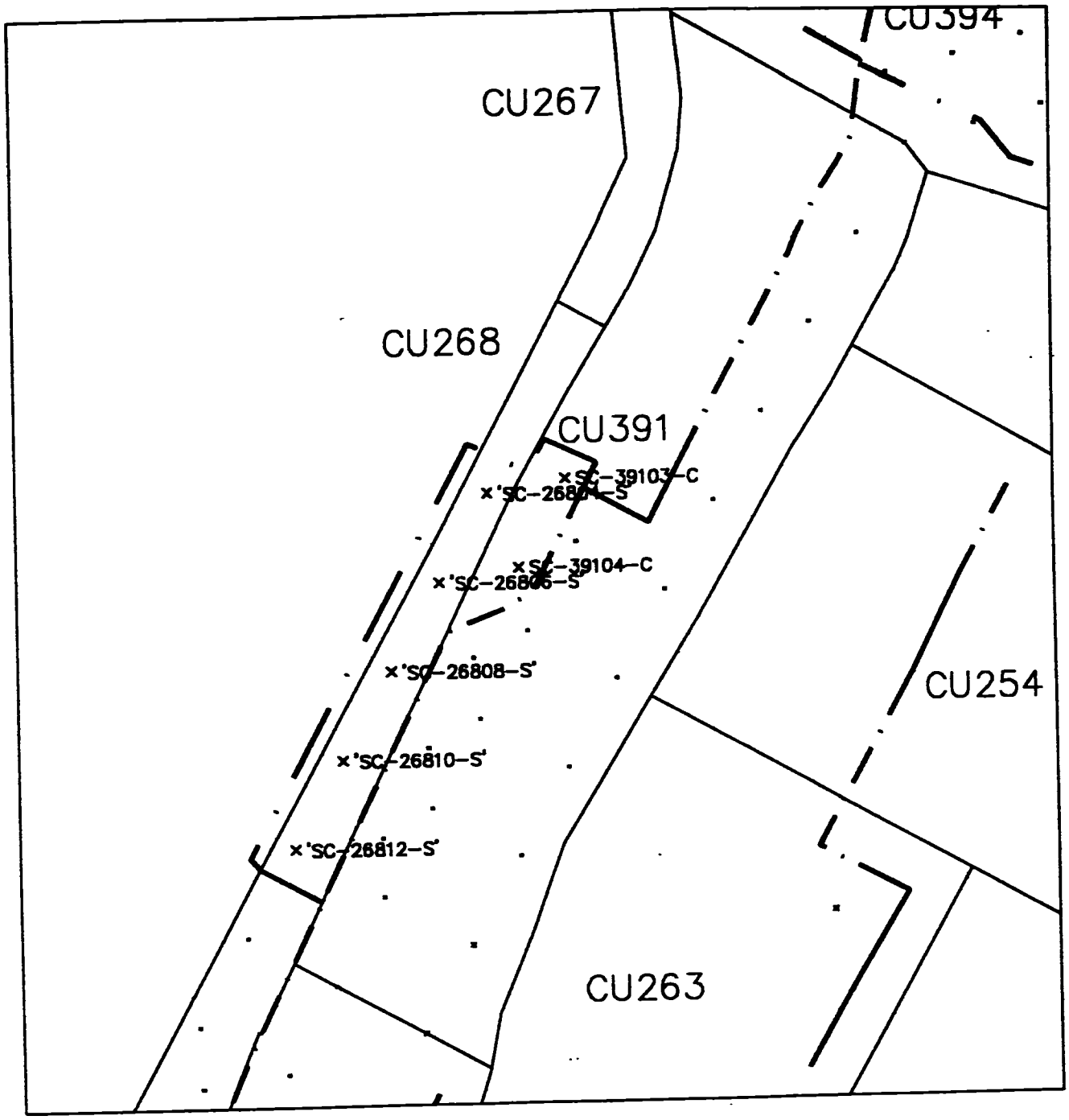
50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 268
10/29/99
DBO CAD

Meter Model #:	2221	Detector Model #:	2 x 2 NaI "G
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Due:	9/2/00	Calibration Due:	1/4/00
Survey Date / Time:	10/29/99	Field Bkg.:	7,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

SAMPLE POINTS NOT PINNED

x'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

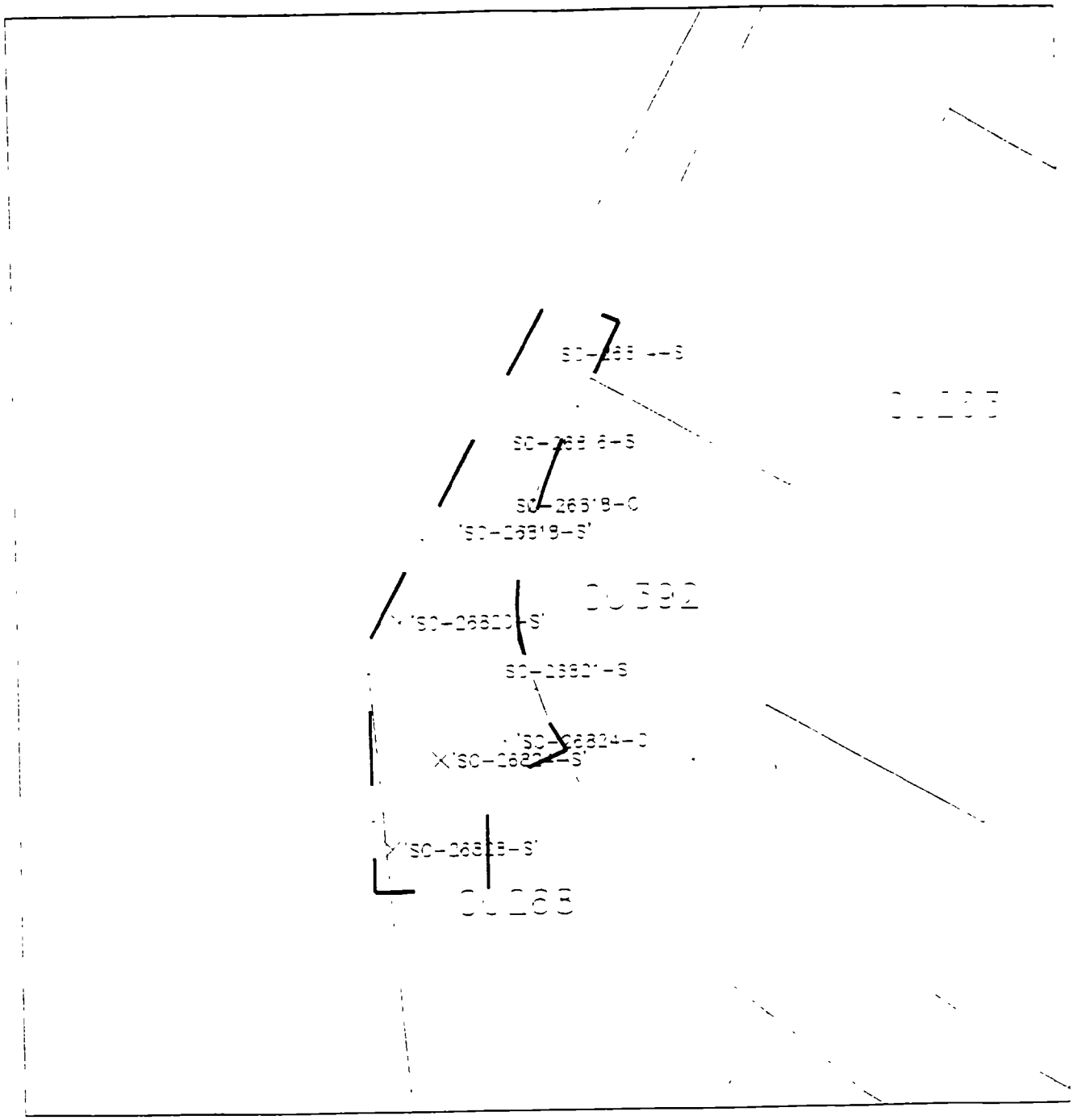
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 268

11/01/99 DEO CAD

Meter Model #:	2221	Detector Model #:	2 x 2 NaI "G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Date:	9-2-00	Calibration Date:	1-4-00
Survey Date/Time:	11-1-99	Field Bkg.:	7,000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

SAMPLE POINTS NOT PINNED

'SO-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft

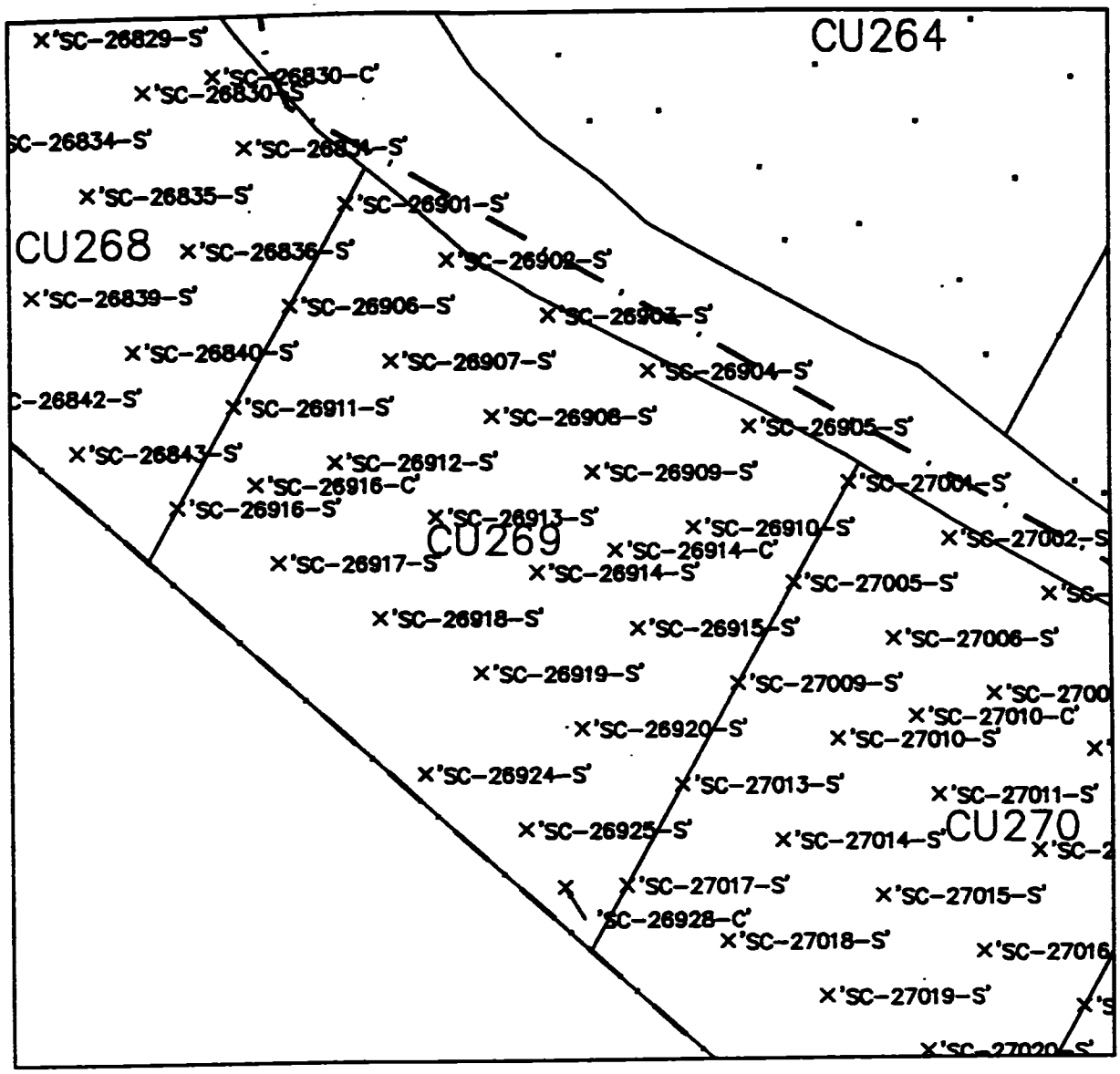
Radiation Survey Form WP 437, RU 21 CU 268

11-02-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "6"
Meter Serial #	127252	Detector Serial #	4241
Calibration Due	9-2-00	Calibration Due:	1-4-00
Survey Date Time:	11-2-99	Field Bkg.	7,000 cpm
Surveyor(s):	C Hamm		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

- · 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437; RU 21 CU 269

DBO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI 6" 6"
Meter Serial #:	127247	Detector Serial #:	122191
Calibration Due:	9/25/99	Calibration Due:	11/24/00
Survey Date / Time:	6/24/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Hanner		

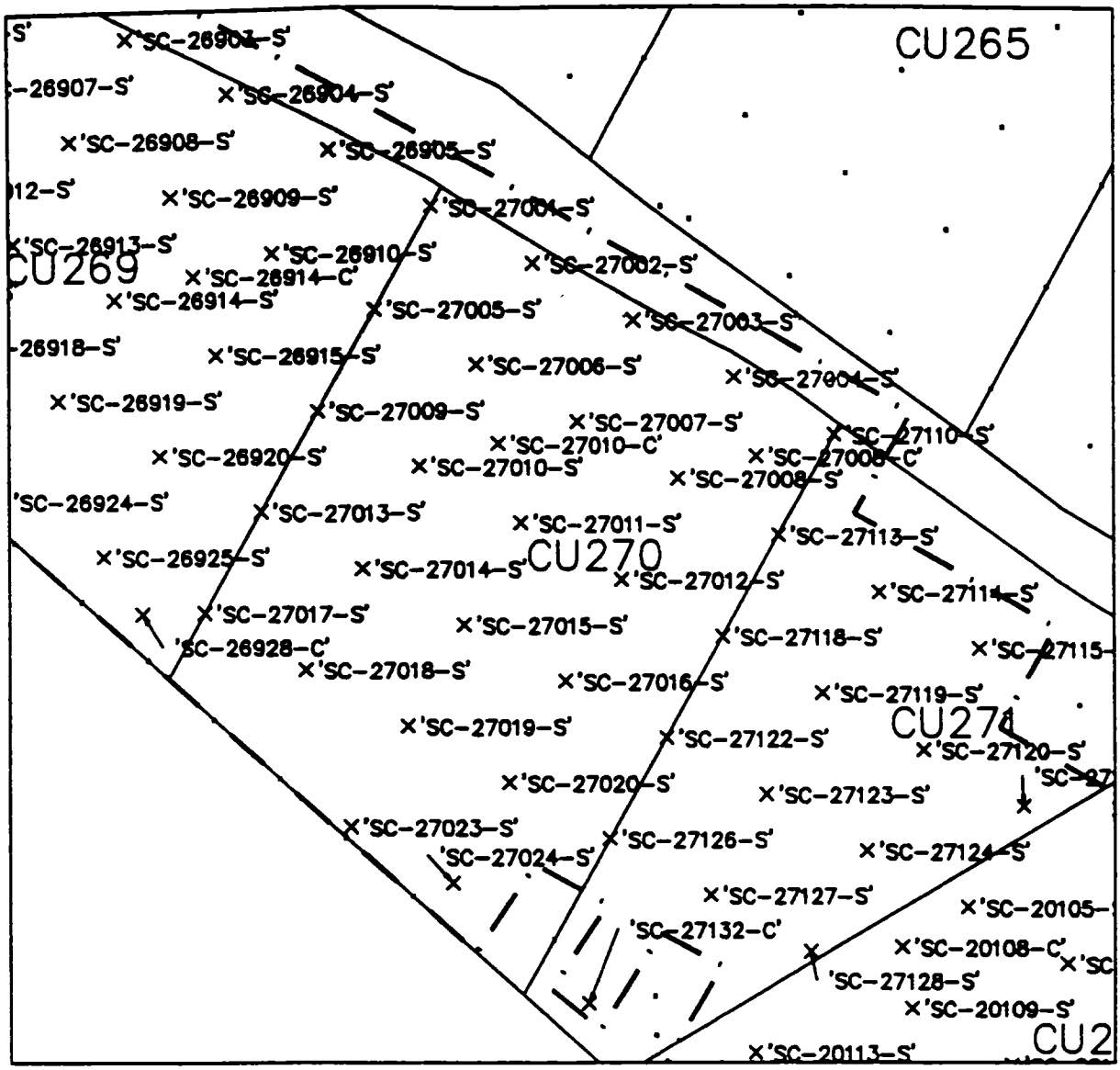
Comments: Area was surveyed and found to be less than 1.5 times background

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

- · 'SC-32606-S' SAMPLE POINTS NOT PINNED
- × 'SC-32606-S' SAMPLE POINTS PINNED
- — · — · — PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 270

DBO CAD

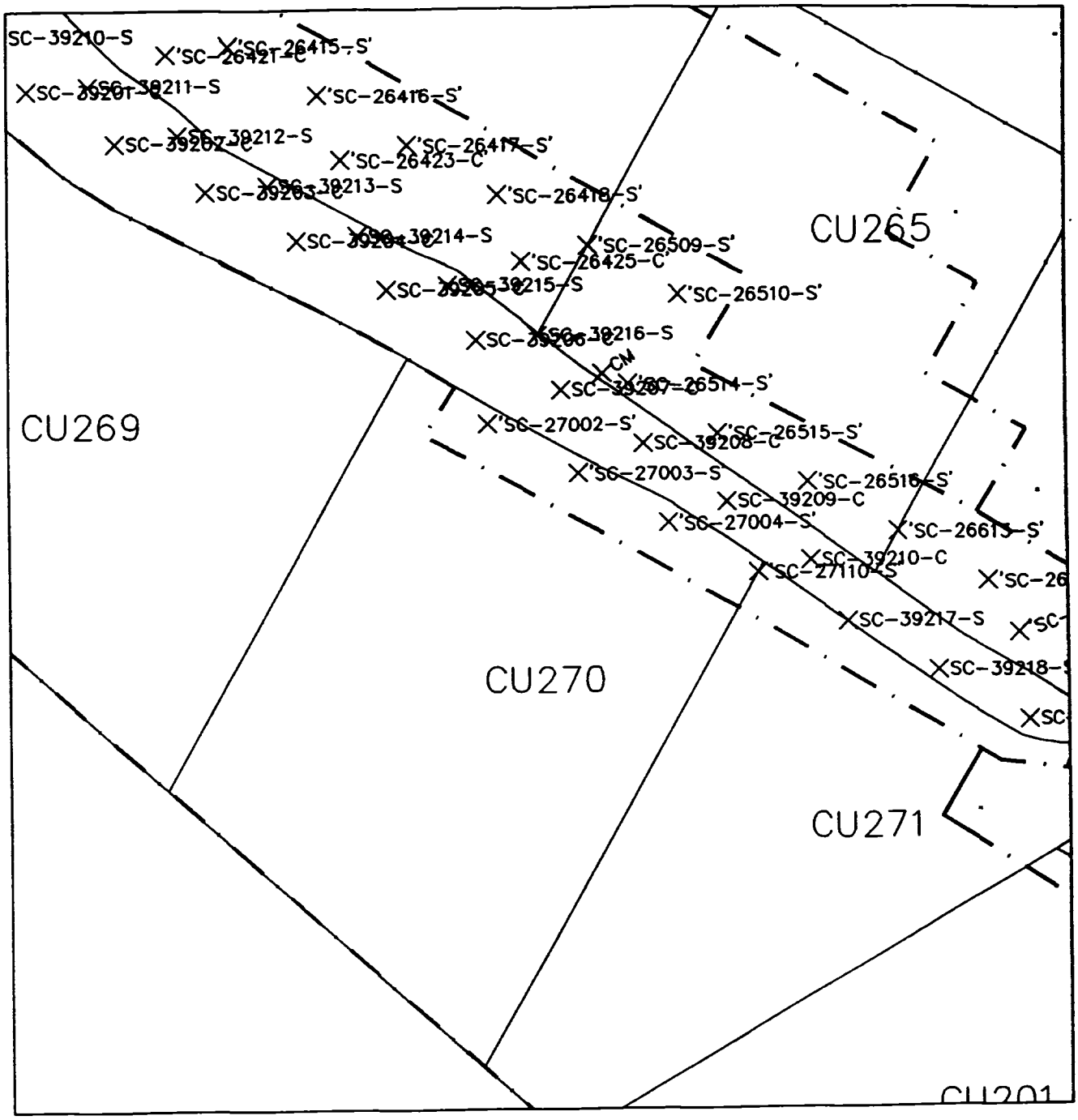
Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127247	Detector Serial #:	122191
Calibration Date:	9/25/99	Calibration Date:	1/24/00
Survey Date / Time:	6/24/99	Field Bkg.:	10,000 cpm
Surveyor(s):	C. Henner		
Comments:	Area was surveyed and found to be less than 1.5 times background		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

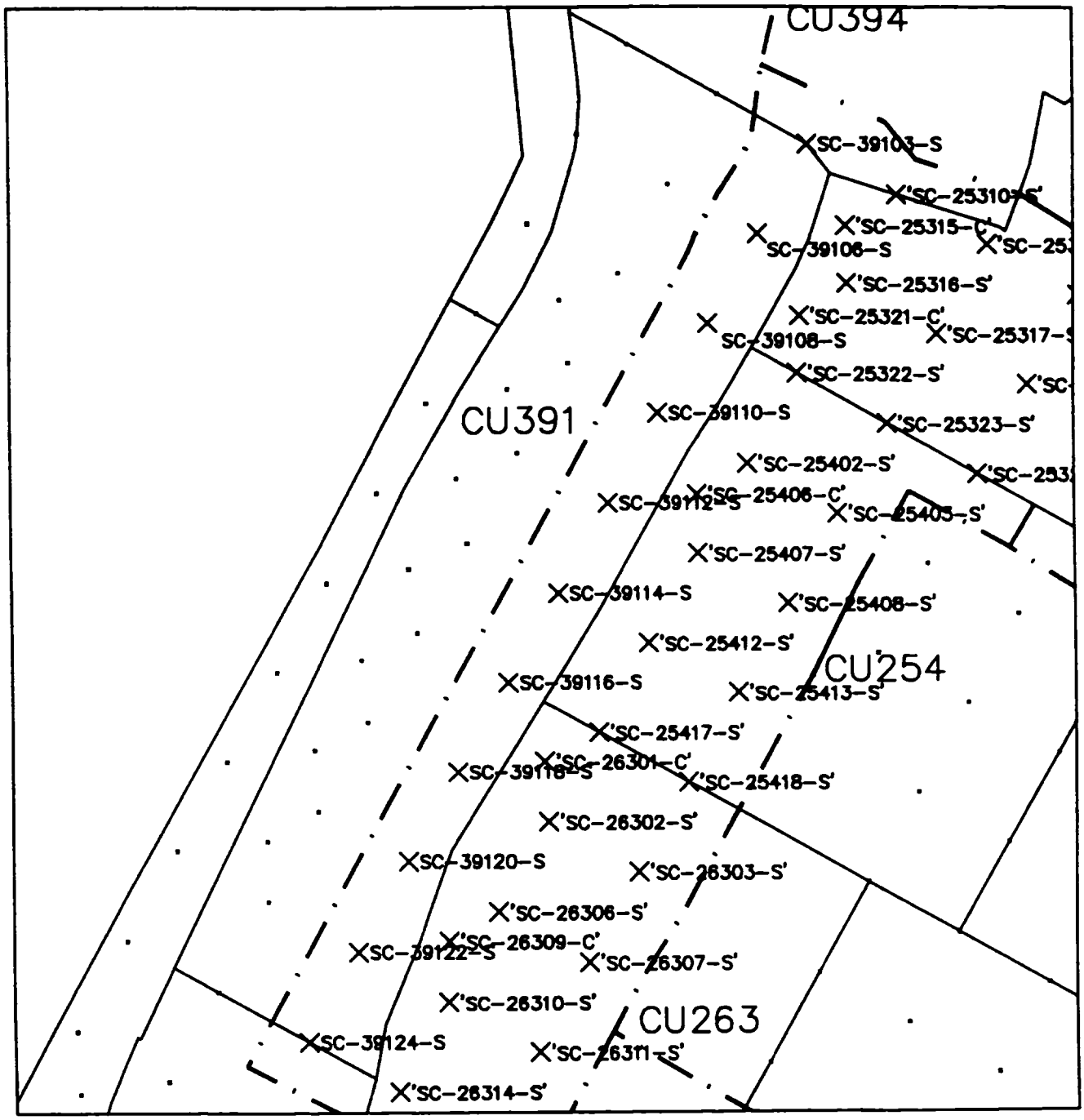
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 270

9-30-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Rankin		
Comments:	All meas < 1.5 BKG.		



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

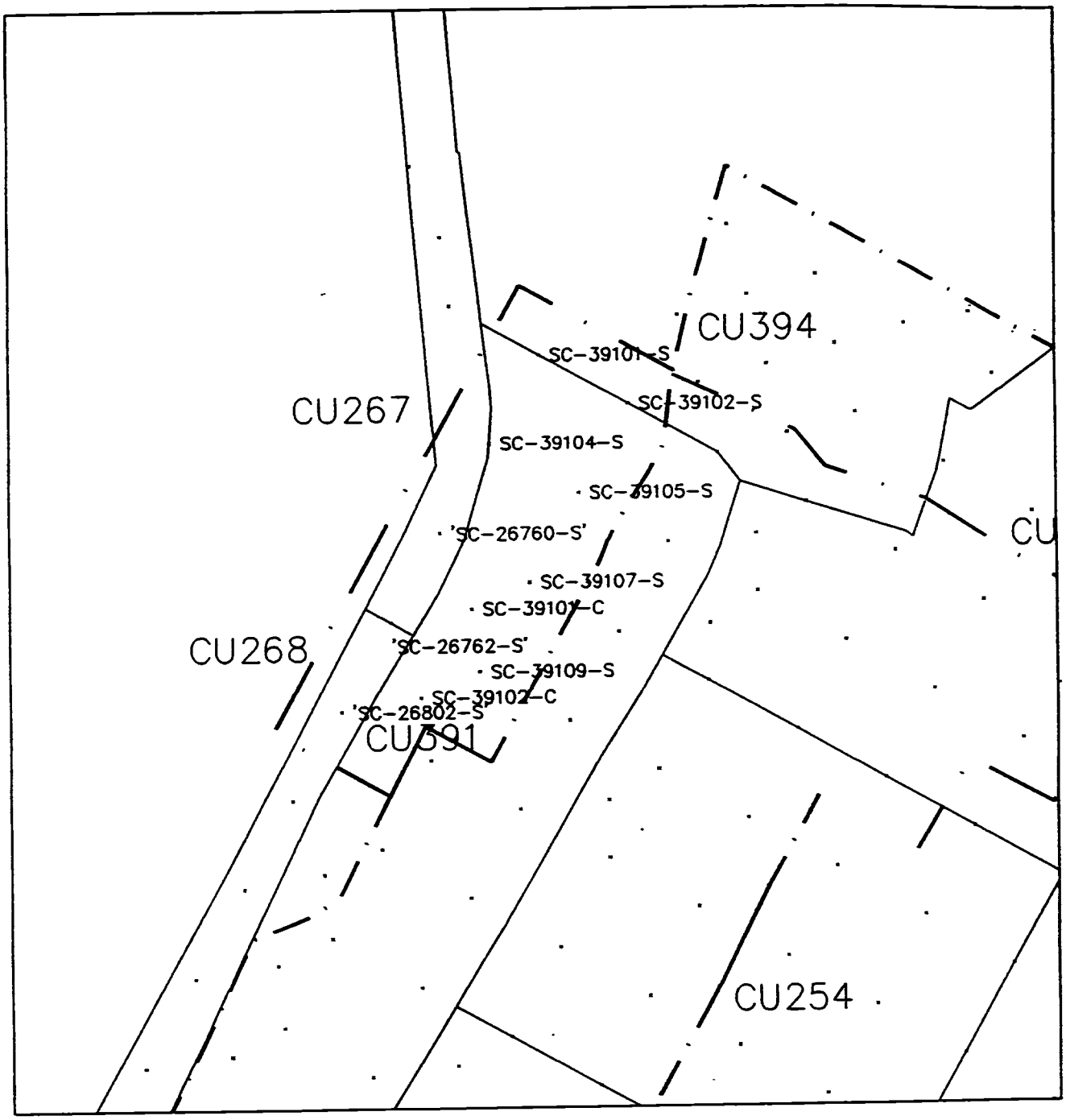
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 391

10-5-99

DEO CAD

Meter Model #:	2221	Detector Model #:	3 x 2"Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date / Time:	9/28/99	Field Bkg.:	12,000 CPM
Surveyor(s):	T. Brewer		
Comments:	All readings w/o Bkg		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

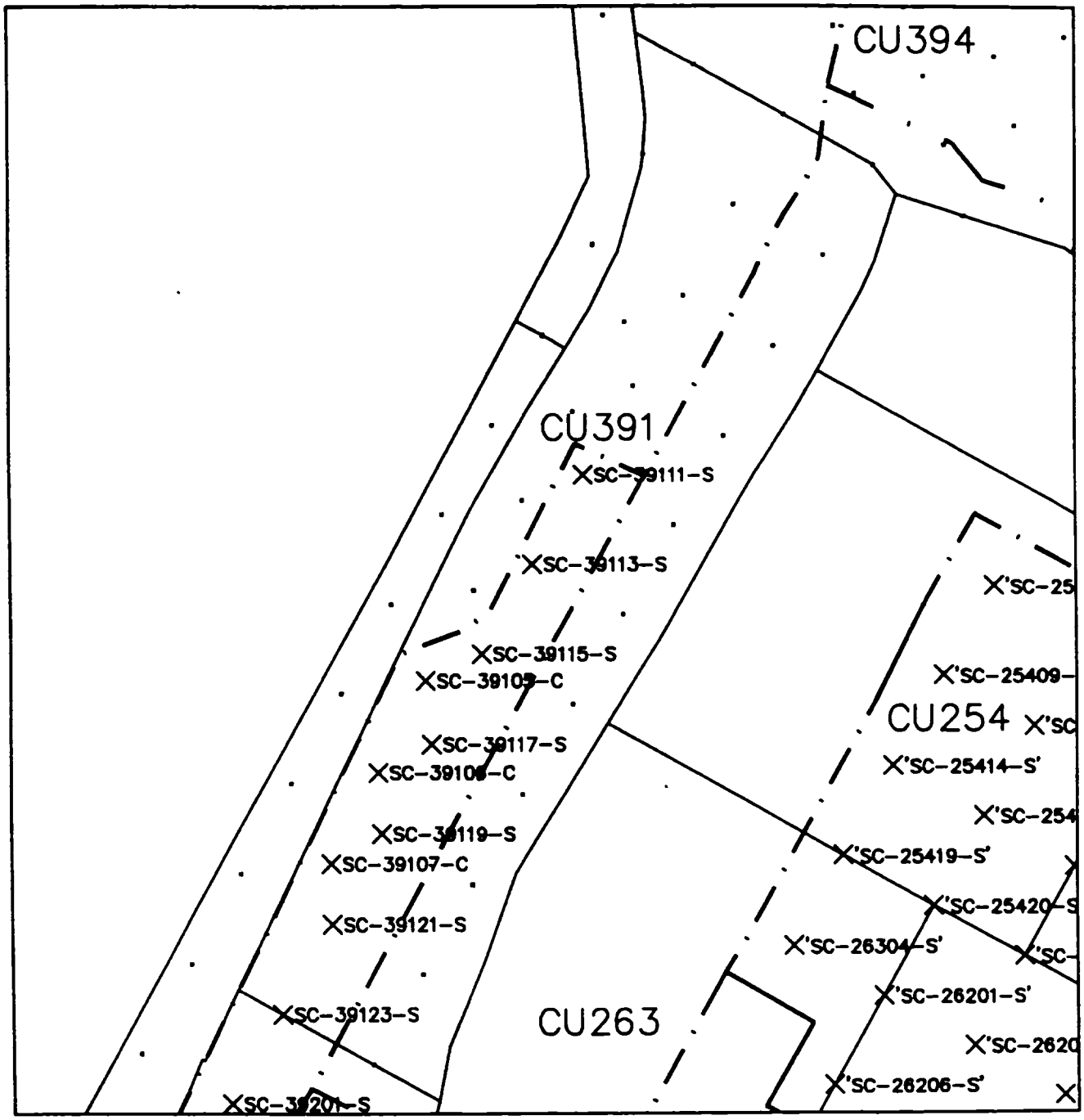
50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 391

REPLOT: 11/01/99 DBO CAD

Meter Model #:	2221	Detector Model #:	2-2 "G"
Meter Serial #:	09-02-00	Detector Serial #:	DOE # 4281
Calibration Due:	09-02-00	Calibration Due:	01-24-00
Survey Date / Time:	10-28-99	Field Bkg.:	8,000 cpm
Surveyor(s):	[illegible]		
Comments:	All areas < 1.5 BEG		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

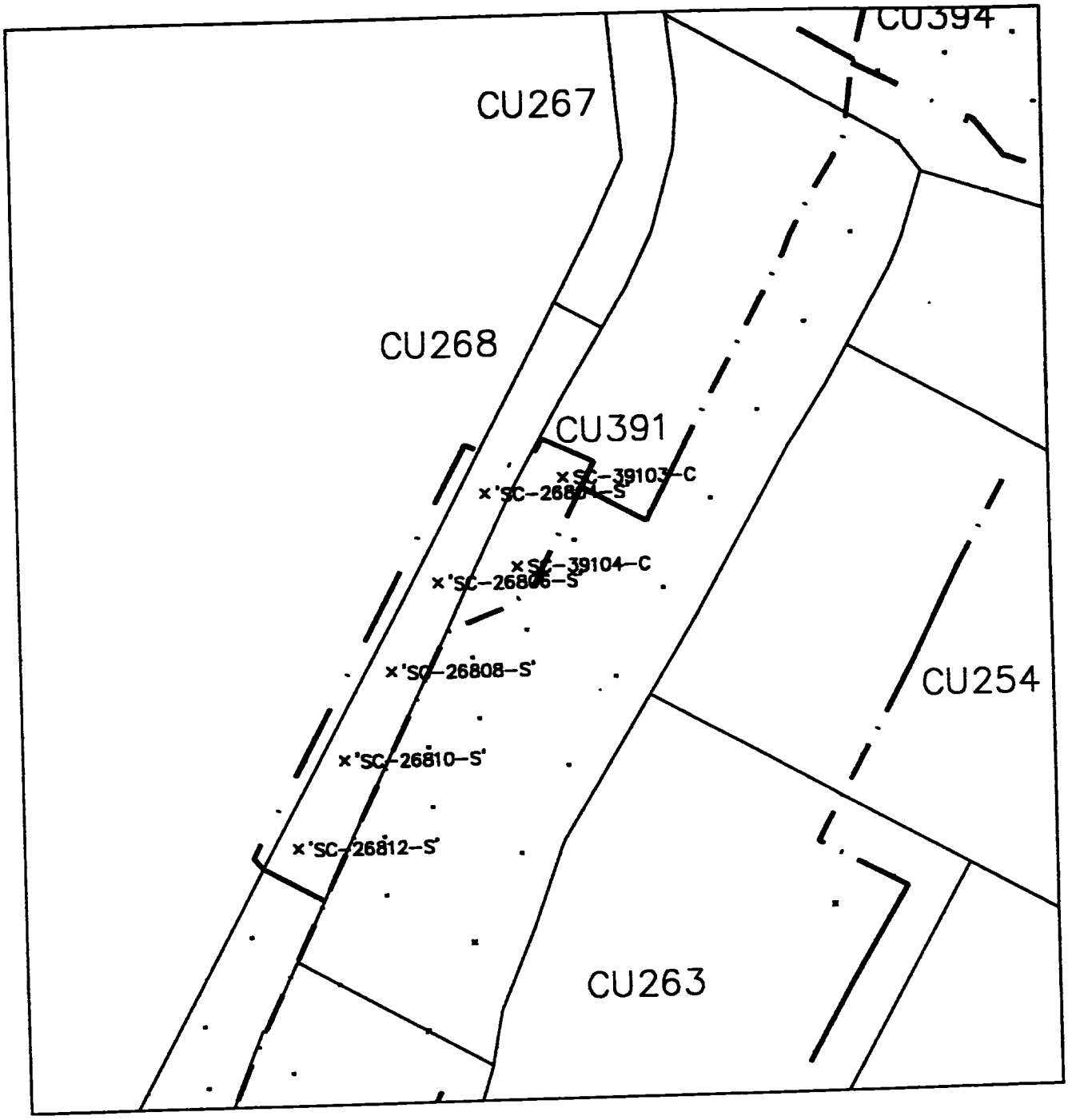
GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 391
10-11-99
DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 "6"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Date:	9/2/00	Calibration Date:	1/24/00
Survey Date / Time:	10/7/99	Field Bkg.:	10,000 cpm
Surveyor(s):	T. Brower		
Comments:	All readings <1.5 Bkg		



LEGEND

SAMPLE POINTS NOT PINNED

x SC-32606-S SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

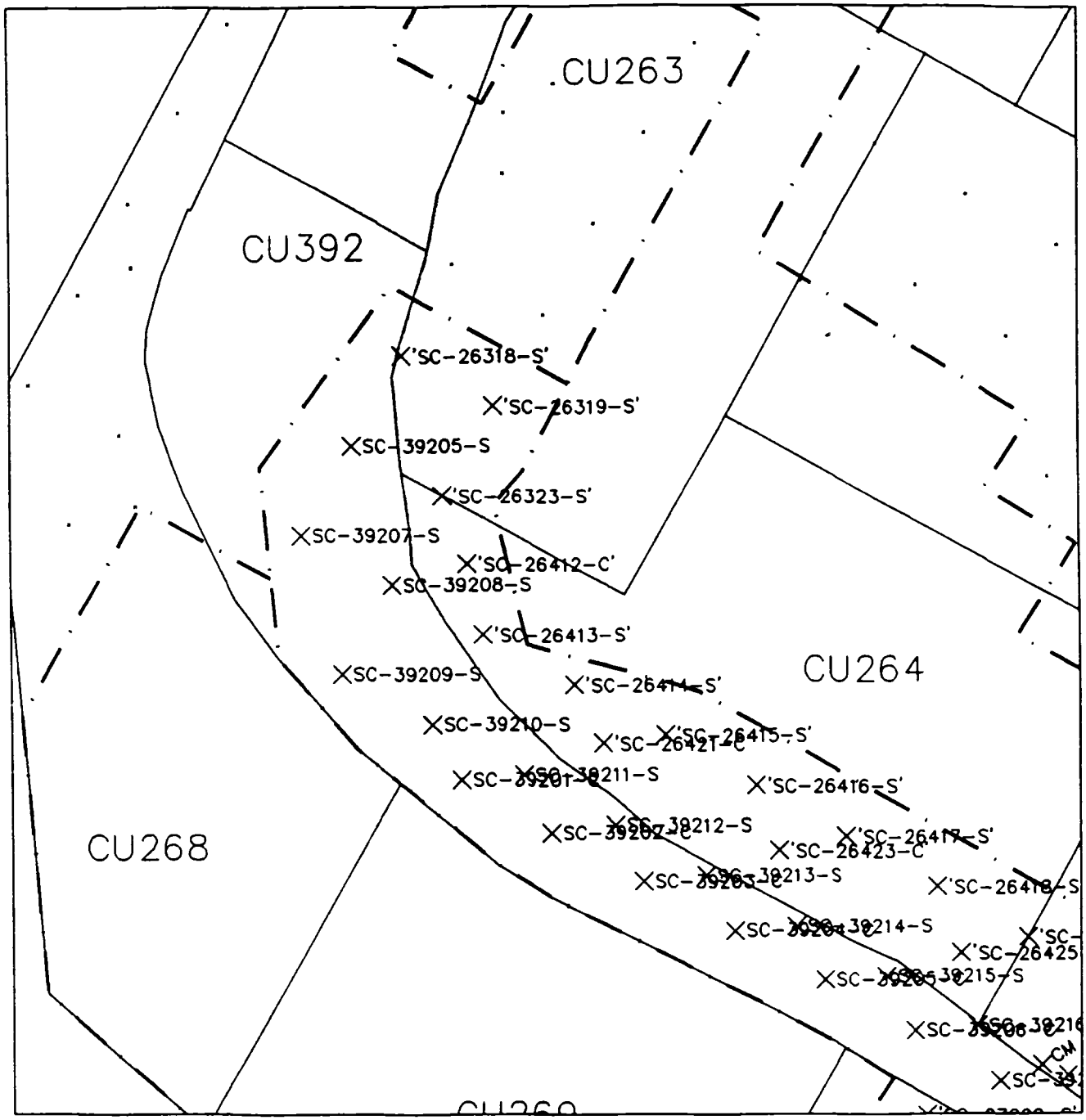
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 391

11/01/99 DEO CAD

Meter Model #:	2221	Detector Model #:	2x2 NaI "G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Date:	9-2-00	Calibration Date:	1-4-00
Survey Date / Time:	11-1-99	Field Mag:	7000 cpm
Surveyor(s):	C. Hanes		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

SAMPLE POINTS NOT PINNED

'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

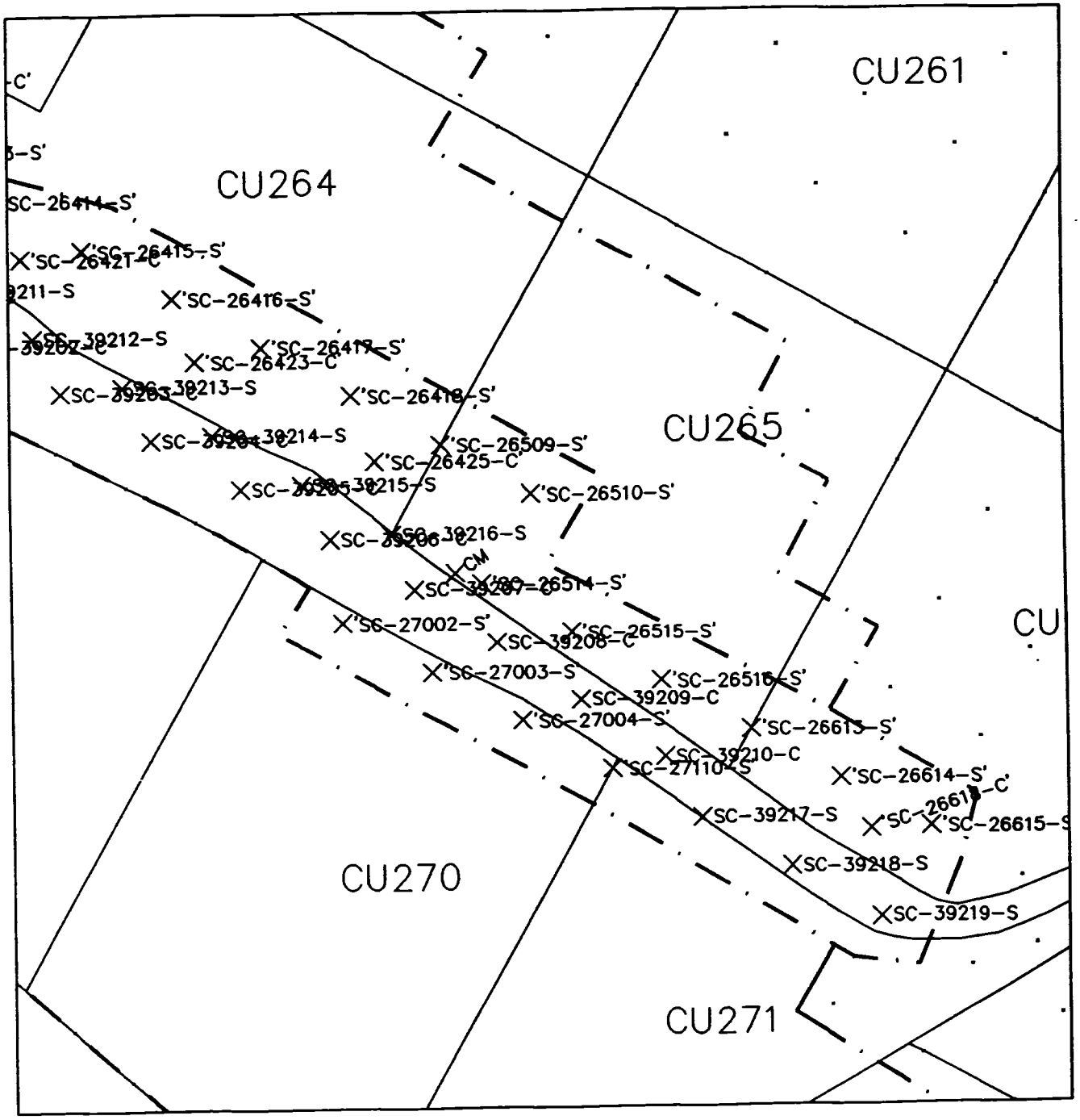
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 392

9-30-99

DHO CAD

Meter Model #	2221	Detector Model #	2.2 "0"
Meter Serial #	117607	Detector Serial #	75143
Calibration Due.	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg.	12,000 cpm
Surveyor(s).	J. Lambis		
Comments:	All areas < 1.5 BKG.		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

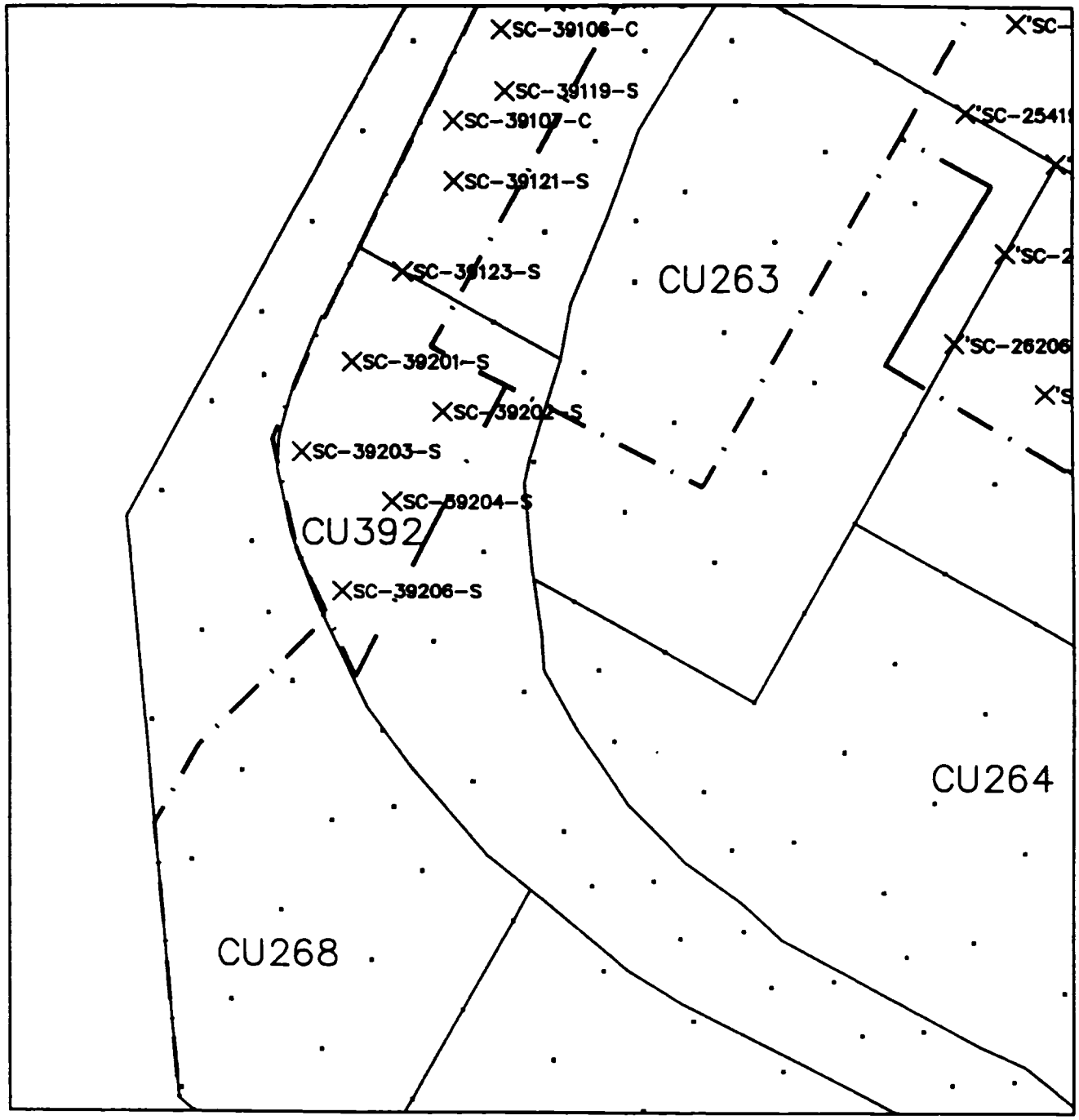
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 392 cont

9-30-99

DHO CAD

Meter Model #:	2221	Detector Model #:	2.2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12-18-99	Calibration Due:	01-24-00
Survey Date / Time:	09-28-99	Field Bkg.:	12,000 cpm
Surveyor(s):	J. Banks		
Comments:	All areas < 1.5 BKG.		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

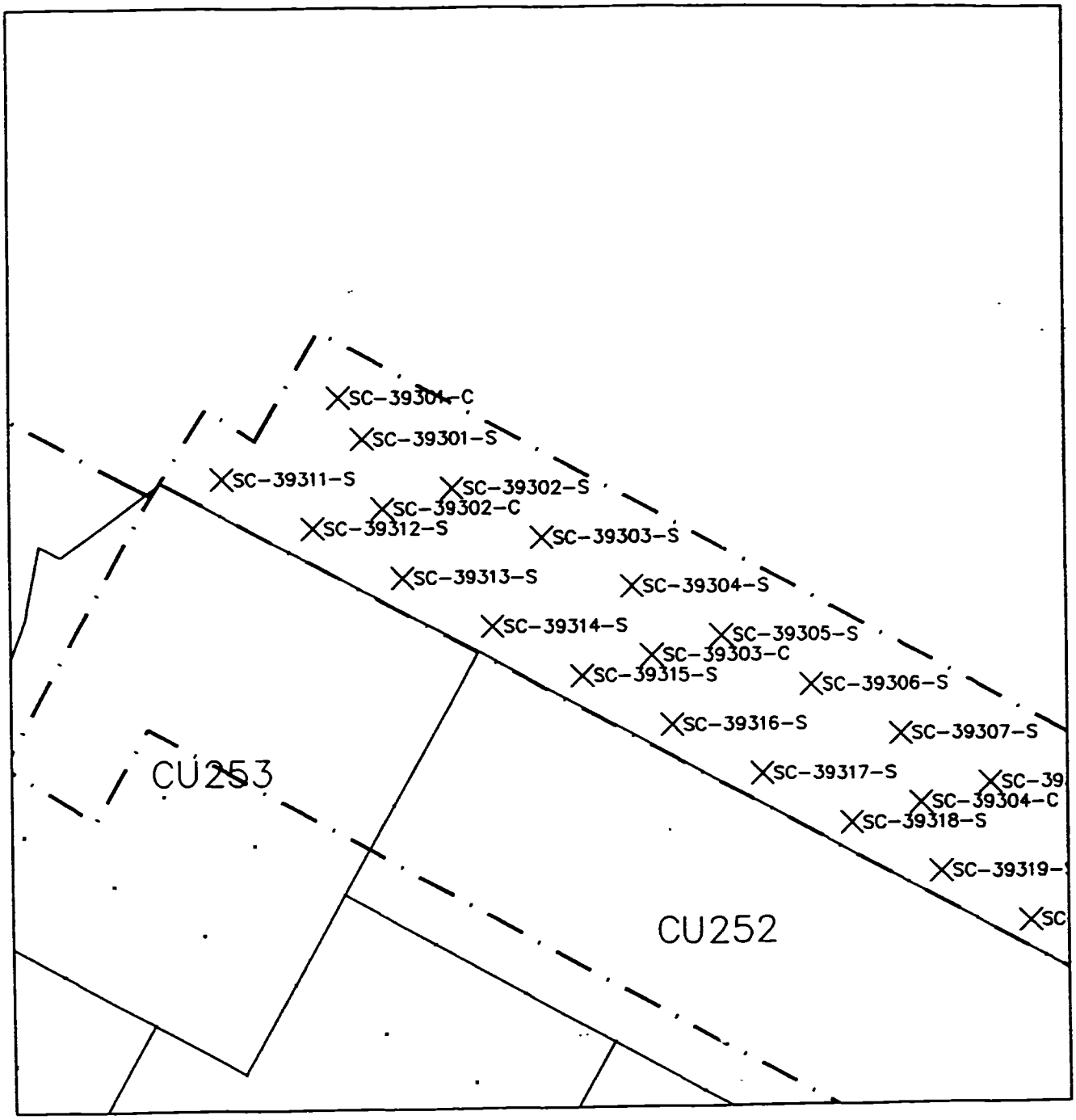
Radiation Survey Form WP 437, RU 21 CU 392

10-12-99

DEO CAD

Meter Model #:	2221	Detector Model #:	2-2 NaI "G"
Meter Serial #:	127252	Detector Serial #:	4241
Calibration Date:	9-2-00	Calibration Date:	1-24-00
Survey Date / Time:	10/8/99	Field Bkg.:	8000 cpm
Surveyor(s):	C. Hanner		

Comments: Area was surveyed and found to be less than 1.5 times background



LEGEND

SAMPLE POINTS NOT PINNED

X SC-32606-S SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

50 0 25 50

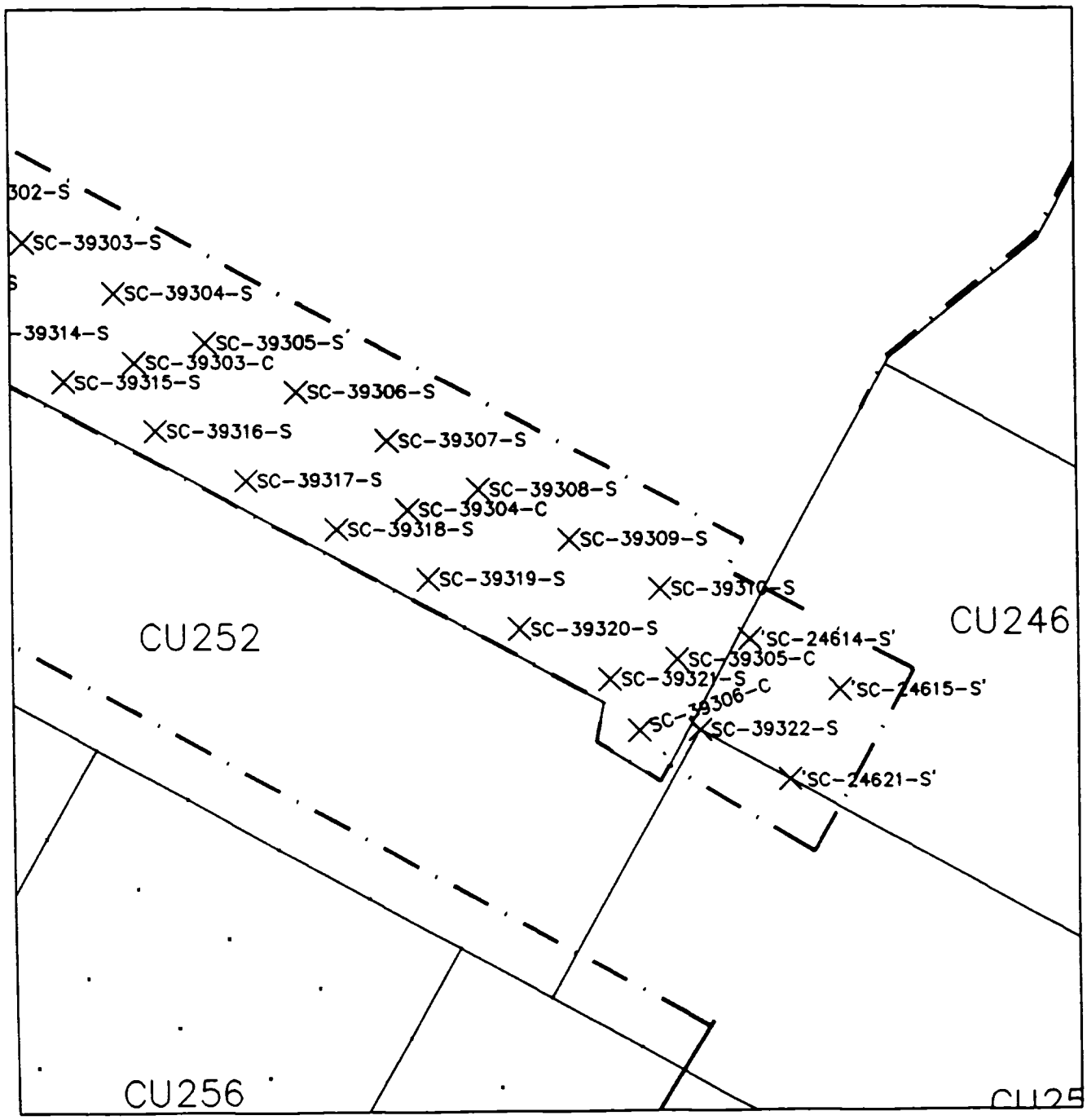
(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 393

9/28/99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date / Time:	9/27/99	Field Bkg.:	11,000
Surveyor(s):	T. Brown		
Comments:	All readings <1.5 Bkg		



LEGEND

SAMPLE POINTS NOT PINNED

X'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

N

GRAPHIC SCALE

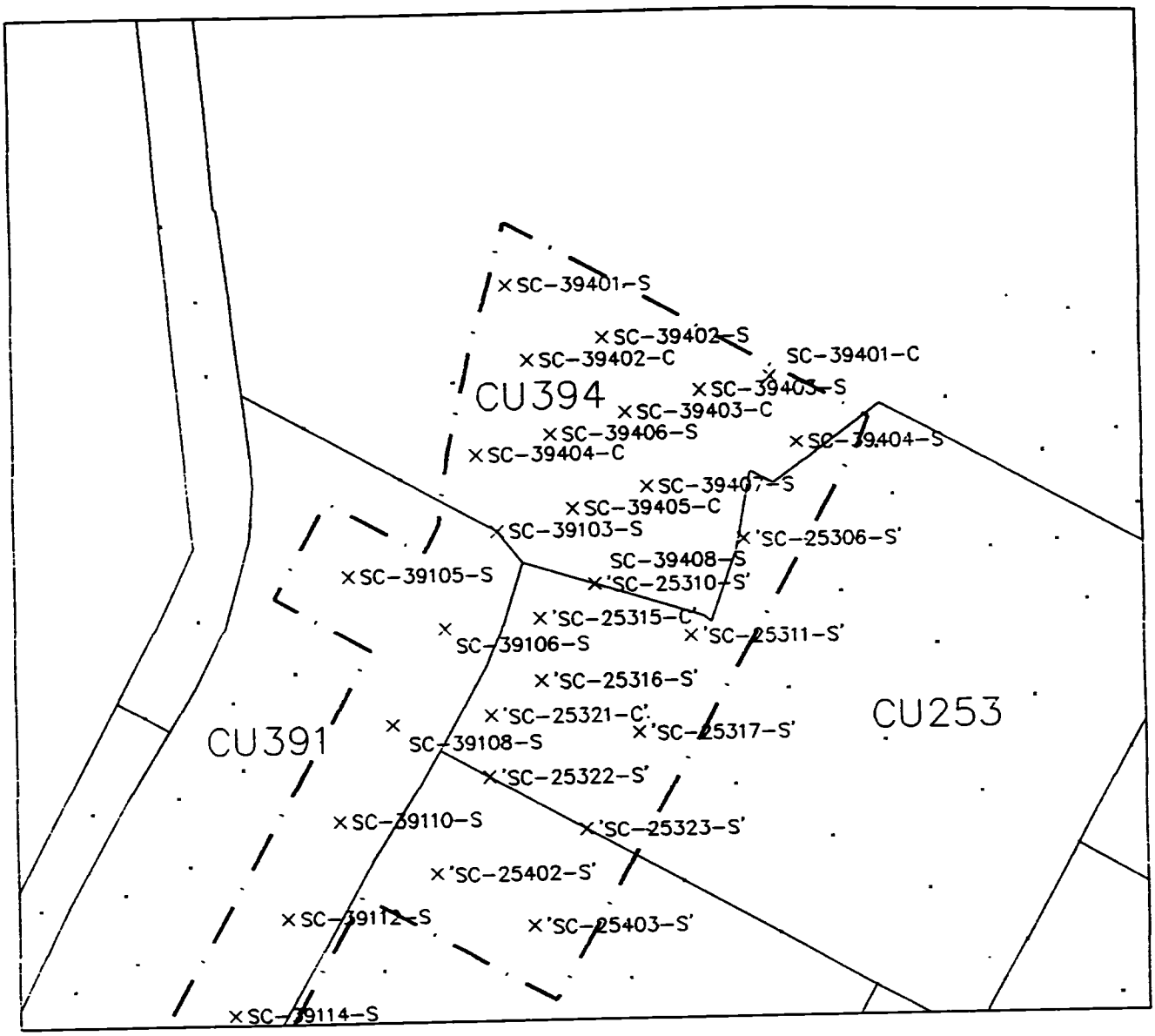
50 0 25 50

(IN FEET)
1 inch = 50 ft.

Radiation Survey Form WP 437, RU 21 CU 393

9/28/99 DHO CAD

Meter Model #:	2221	Detector Model #:	2x2"0"
Meter Serial #:	117607	Detector Serial #:	35143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date / Time:	9/27/99	Field Bkg.	11,000
Surveyor(s):	T. Brown		
Comments:	All readings <1.5 BKg		



LEGEND

SAMPLE POINTS NOT PINNED

×'SC-32606-S' SAMPLE POINTS PINNED

PINNING LIMITS

Radiation Survey Form WP 437, RU 21 CU 394

9/24/99

DHO CAD

Meter Model #:	2221	Detector Model #:	2x2 "Q"
Meter Serial #:	117607	Detector Serial #:	25143
Calibration Due:	12/18/99	Calibration Due:	1/24/00
Survey Date / Time:	9/25/99	Field Bkg.:	11,000 CPM
Surveyor(s):	T. Brower		
Comments:	All reading <1.5 BKg		

N

GRAPHIC SCALE

50 0 25 50

(IN FEET)

1 inch = 50 ft.

APPENDIX B
WP437 RU021 Final Data

APPENDIX B WP-437 RU21 FINAL DATA

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22101-S	05/12/2000	PAH	0	19	UG/KG
SC-22101-S	05/12/2000	RADIUM-226	0.75	0.25	PCI/G
SC-22101-S	05/12/2000	RADIUM-228	0.91	0.35	PCI/G
SC-22101-S	05/12/2000	THORIUM-230	1.15	0.62	PCI/G
SC-22101-S	05/12/2000	URANIUM-238	5.33	1.91	PCI/G
SC-22102-S	05/22/2000	RADIUM-226	0.75	0.22	PCI/G
SC-22102-S	05/22/2000	RADIUM-228	1.11	0.38	PCI/G
SC-22102-S	05/22/2000	THORIUM-230	1.35	0.64	PCI/G
SC-22102-S	05/22/2000	URANIUM-238	1.11	2.22	PCI/G
SC-22103-C	05/22/2000	PAH	0	17	UG/KG
SC-22103-C	05/22/2000	RADIUM-226	0.24	0.48	PCI/G
SC-22103-C	05/22/2000	RADIUM-228	0.34	0.68	PCI/G
SC-22103-C	05/22/2000	THORIUM-230	0.93	0.64	PCI/G
SC-22103-C	05/22/2000	URANIUM-238	1.08	2.16	PCI/G
SC-22103-S	05/22/2000	RADIUM-226	0.72	0.26	PCI/G
SC-22103-S	05/22/2000	RADIUM-228	1.01	0.36	PCI/G
SC-22103-S	05/22/2000	THORIUM-230	1.58	0.64	PCI/G
SC-22103-S	05/22/2000	URANIUM-238	1.075	2.15	PCI/G
SC-22104-S	05/22/2000	PAH	0	18	UG/KG
SC-22104-S	05/22/2000	RADIUM-226	0.6	0.22	PCI/G
SC-22104-S	05/22/2000	RADIUM-228	0.355	0.71	PCI/G
SC-22104-S	05/22/2000	THORIUM-230	0.84	0.64	PCI/G
SC-22104-S	05/22/2000	URANIUM-238	1.035	2.07	PCI/G
SC-22105-S	05/22/2000	RADIUM-226	0.72	0.23	PCI/G
SC-22105-S	05/22/2000	RADIUM-228	0.99	0.31	PCI/G
SC-22105-S	05/22/2000	THORIUM-230	1.16	0.64	PCI/G
SC-22105-S	05/22/2000	URANIUM-238	1.2	1.84	PCI/G
SC-22106-S	05/22/2000	RADIUM-226	0.24	0.48	PCI/G
SC-22106-S	05/22/2000	RADIUM-228	0.84	0.42	PCI/G
SC-22106-S	05/22/2000	THORIUM-230	0.79	0.64	PCI/G
SC-22106-S	05/22/2000	URANIUM-238	1.07	2 14	PCI/G
SC-22107-C	05/11/2000	RADIUM-226	0.59	0.27	PCI/G
SC-22107-C	05/11/2000	RADIUM-228	0.365	0.73	PCI/G
SC-22107-C	05/11/2000	THORIUM-230	0.69	0.64	PCI/G
SC-22107-C	05/11/2000	URANIUM-238	1.12	2.24	PCI/G
SC-22107-C-HS01	05/24/2000	RADIUM-226	11.7	0.5	PCI/G
SC-22107-C-HS01	05/24/2000	RADIUM-228	0.505	1.01	PCI/G
SC-22107-C-HS01	05/24/2000	THORIUM-230	2.33	0.64	PCI/G
SC-22107-C-HS01	05/24/2000	URANIUM-238	1.69	3.38	PCI/G
SC-22107-C-HS02	05/24/2000	RADIUM-226	1.41	0.25	PCI/G
SC-22107-C-HS02	05/24/2000	RADIUM-228	1.14	0.4	PCI/G
SC-22107-C-HS02	05/24/2000	THORIUM-230	0.86	0.64	PCI/G
SC-22107-C-HS02	05/24/2000	URANIUM-238	1.19	2.38	PCI/G
SC-22107-C-HS03	05/24/2000	RADIUM-226	4.66	0.39	PCI/G
SC-22107-C-HS03	05/24/2000	RADIUM-228	1.25	0.54	PCI/G
SC-22107-C-HS03	05/24/2000	THORIUM-230	0.88	0.64	PCI/G
SC-22107-C-HS03	05/24/2000	URANIUM-238	1.26	2.52	PCI/G
SC-22107-C-HS04	05/24/2000	RADIUM-226	2.84	0.26	PCI/G
SC-22107-C-HS04	05/24/2000	RADIUM-228	1.3	0.42	PCI/G
SC-22107-C-HS04	05/24/2000	THORIUM-230	0.69	0.64	PCI/G
SC-22107-C-HS04	05/24/2000	URANIUM-238	1.3	2.6	PCI/G
SC-22107-C-RS01	06/01/2000	RADIUM-226	0.235	0.47	PCI/G
SC-22107-C-RS01	06/01/2000	RADIUM-228	1.09	0.4	PCI/G
SC-22107-C-RS03	06/01/2000	RADIUM-226	0.5	0.23	PCI/G
SC-22107-C-RS03	06/01/2000	RADIUM-228	1.05	0.34	PCI/G
SC-22107-S	05/11/2000	RADIUM-226	1.02	0.25	PCI/G
SC-22107-S	05/11/2000	RADIUM-228	1.1	0.36	PCI/G
SC-22107-S	05/11/2000	THORIUM-230	0.69	0.64	PCI/G
SC-22107-S	05/11/2000	URANIUM-238	1.165	2.33	PCI/G
SC-22110-S	05/12/2000	PAH	0	18	UG/KG
SC-22110-S	05/12/2000	RADIUM-226	0.61	0.25	PCI/G
SC-22110-S	05/12/2000	RADIUM-228	0.99	0.3	PCI/G
SC-22110-S	05/12/2000	THORIUM-230	1.09	0.62	PCI/G
SC-22110-S	05/12/2000	URANIUM-238	4.54	2.05	PCI/G
SC-22111-S	05/22/2000	RADIUM-226	0.92	0.26	PCI/G
SC-22111-S	05/22/2000	RADIUM-228	1.04	0.36	PCI/G
SC-22111-S	05/22/2000	THORIUM-230	1.65	0.64	PCI/G
SC-22111-S	05/22/2000	URANIUM-238	1.145	2.29	PCI/G
SC-22112-S	05/22/2000	RADIUM-226	0.19	0.38	PCI/G
SC-22112-S	05/22/2000	RADIUM-228	0.61	0.39	PCI/G
SC-22112-S	05/22/2000	THORIUM-230	1.09	0.64	PCI/G
SC-22112-S	05/22/2000	URANIUM-238	0.805	1.61	PCI/G

APPENDIX B WP-437 RU21 FINAL DATA

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22113-S	05/22/2000	RADIUM-226	1 03	0.24	PCI/G
SC-22113-S	05/22/2000	RADIUM-228	1 16	0 41	PCI/G
SC-22113-S	05/22/2000	THORIUM-230	1.43	0 64	PCI/G
SC-22113-S	05/22/2000	URANIUM-238	6 65	2 27	PCI/G
SC-22114-S	05/22/2000	RADIUM-226	0 46	0 24	PCI/G
SC-22114-S	05/22/2000	RADIUM-228	0 69	0 33	PCI/G
SC-22114-S	05/22/2000	THORIUM-230	0 78	0 64	PCI/G
SC-22114-S	05/22/2000	URANIUM-238	1 03	2 06	PCI/G
SC-22115-S	05/22/2000	RADIUM-226	0 89	0 23	PCI/G
SC-22115-S	05/22/2000	RADIUM-228	1 07	0 33	PCI/G
SC-22115-S	05/22/2000	THORIUM-230	2 13	0 64	PCI/G
SC-22115-S	05/22/2000	URANIUM-238	1.145	2 29	PCI/G
SC-22116-C	05/11/2000	RADIUM-226	0.87	0 26	PCI/G
SC-22116-C	05/11/2000	RADIUM-228	0 385	0 77	PCI/G
SC-22116-C	05/11/2000	THORIUM-230	0 79	0 64	PCI/G
SC-22116-C	05/11/2000	URANIUM-238	1 09	2 18	PCI/G
SC-22116-S	05/11/2000	RADIUM-226	0 81	0 23	PCI/G
SC-22116-S	05/11/2000	RADIUM-228	0 375	0 75	PCI/G
SC-22116-S	05/11/2000	THORIUM-230	0 78	0 64	PCI/G
SC-22116-S	05/11/2000	URANIUM-238	1 085	2 17	PCI/G
SC-22117-S	04/17/2000	PAH	0	18	UG/KG
SC-22117-S	04/17/2000	RADIUM-226	0 84	0 25	PCI/G
SC-22117-S	04/17/2000	RADIUM-228	1 1	0 34	PCI/G
SC-22117-S	04/17/2000	THORIUM-230	2 89	0 64	PCI/G
SC-22117-S	04/17/2000	URANIUM-238	1 14	2 28	PCI/G
SC-22117-S-01	05/11/2000	RADIUM-226	0 78	0 25	PCI/G
SC-22117-S-01	05/11/2000	RADIUM-228	0 96	0 5	PCI/G
SC-22117-S-01	05/11/2000	THORIUM-230	0 81	0 64	PCI/G
SC-22117-S-01	05/11/2000	URANIUM-238	1 035	2 07	PCI/G
SC-22120-C	05/06/2000	PAH	0	11	UG/KG
SC-22120-C	05/06/2000	RADIUM-226	0 65	0 29	PCI/G
SC-22120-C	05/06/2000	RADIUM-228	0 41	0 82	PCI/G
SC-22120-C	05/06/2000	THORIUM-230	0 77	0 65	PCI/G
SC-22120-C	05/06/2000	URANIUM-238	1 06	2 12	PCI/G
SC-22201-S	06/03/2000	RADIUM-226	0 205	0 41	PCI/G
SC-22201-S	06/03/2000	RADIUM-228	0 31	0 62	PCI/G
SC-22201-S	06/03/2000	THORIUM-230	0 83	0 65	PCI/G
SC-22201-S	06/03/2000	URANIUM-238	0 89	1 78	PCI/G
SC-22202-S	06/03/2000	RADIUM-226	0 65	0 22	PCI/G
SC-22202-S	06/03/2000	RADIUM-228	1 14	0 32	PCI/G
SC-22202-S	06/03/2000	THORIUM-230	1 47	0 64	PCI/G
SC-22202-S	06/03/2000	URANIUM-238	1 06	2 12	PCI/G
SC-22203-S	05/20/2000	PAH	0	18	UG/KG
SC-22203-S	05/20/2000	RADIUM-226	0 99	0 19	PCI/G

APPENDIX B WP-437 RU21 FINAL DATA

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22203-S	05/20/2000	RADIUM-228	0.385	0.77	PCI/G
SC-22203-S	05/20/2000	THORIUM-230	2.29	0.64	PCI/G
SC-22203-S	05/20/2000	URANIUM-238	1.24	2.48	PCI/G
SC-22204-S	05/24/2000	RADIUM-226	0.76	0.25	PCI/G
SC-22204-S	05/24/2000	RADIUM-228	0.4	0.8	PCI/G
SC-22204-S	05/24/2000	THORIUM-230	0.89	0.64	PCI/G
SC-22204-S	05/24/2000	URANIUM-238	1.02	2.04	PCI/G
SC-22205-S	05/24/2000	RADIUM-226	0.55	0.26	PCI/G
SC-22205-S	05/24/2000	RADIUM-228	1.19	0.31	PCI/G
SC-22205-S	05/24/2000	THORIUM-230	1.1	0.64	PCI/G
SC-22205-S	05/24/2000	URANIUM-238	1.49	1.93	PCI/G
SC-22206-S	05/20/2000	PAH	0	18	UG/KG
SC-22206-S	05/20/2000	RADIUM-226	0.74	0.25	PCI/G
SC-22206-S	05/20/2000	RADIUM-228	1.07	0.35	PCI/G
SC-22206-S	05/20/2000	THORIUM-230	1.02	0.64	PCI/G
SC-22206-S	05/20/2000	URANIUM-238	1.155	2.31	PCI/G
SC-22207-S	05/24/2000	RADIUM-226	3.77	0.34	PCI/G
SC-22207-S	05/24/2000	RADIUM-228	1.29	0.57	PCI/G
SC-22207-S	05/24/2000	THORIUM-230	1.03	0.64	PCI/G
SC-22207-S	05/24/2000	URANIUM-238	1.275	2.55	PCI/G
SC-22207-S-RS	06/01/2000	RADIUM-226	0.62	0.26	PCI/G
SC-22207-S-RS	06/01/2000	RADIUM-228	0.36	0.72	PCI/G
SC-22208-S	05/24/2000	RADIUM-226	3.48	0.28	PCI/G
SC-22208-S	05/24/2000	RADIUM-228	1.1	0.4	PCI/G
SC-22208-S	05/24/2000	THORIUM-230	0.89	0.64	PCI/G
SC-22208-S	05/24/2000	URANIUM-238	1.34	2.68	PCI/G
SC-22208-S-RS	06/01/2000	RADIUM-226	0.51	0.22	PCI/G
SC-22208-S-RS	06/01/2000	RADIUM-228	0.86	0.35	PCI/G
SC-22209-S	05/20/2000	PAH	0	17	UG/KG
SC-22209-S	05/20/2000	RADIUM-226	0.245	0.49	PCI/G
SC-22209-S	05/20/2000	RADIUM-228	1.24	0.36	PCI/G
SC-22209-S	05/20/2000	THORIUM-230	0.89	0.64	PCI/G
SC-22209-S	05/20/2000	URANIUM-238	1.095	2.19	PCI/G
SC-22210-S	05/24/2000	RADIUM-226	0.85	0.24	PCI/G
SC-22210-S	05/24/2000	RADIUM-228	0.355	0.71	PCI/G
SC-22210-S	05/24/2000	THORIUM-230	0.8	0.64	PCI/G
SC-22210-S	05/24/2000	URANIUM-238	1.05	2.1	PCI/G
SC-22211-S	05/24/2000	PAH	0	16	UG/KG
SC-22211-S	05/24/2000	RADIUM-226	0.59	0.21	PCI/G
SC-22211-S	05/24/2000	RADIUM-228	0.91	0.32	PCI/G
SC-22211-S	05/24/2000	THORIUM-230	0.94	0.64	PCI/G
SC-22211-S	05/24/2000	URANIUM-238	1	2	PCI/G
SC-22212-S	05/18/2000	PAH	0	17	UG/KG
SC-22212-S	05/18/2000	RADIUM-226	0.55	0.25	PCI/G
SC-22212-S	05/18/2000	RADIUM-228	1.27	0.35	PCI/G
SC-22212-S	05/18/2000	THORIUM-230	1.02	0.64	PCI/G
SC-22212-S	05/18/2000	URANIUM-238	1.03	2.06	PCI/G
SC-22213-S	05/18/2000	PAH	21	17	UG/KG
SC-22213-S	05/18/2000	RADIUM-226	0.42	0.21	PCI/G
SC-22213-S	05/18/2000	RADIUM-228	0.67	0.3	PCI/G
SC-22213-S	05/18/2000	THORIUM-230	0.72	0.62	PCI/G
SC-22213-S	05/18/2000	URANIUM-238	0.935	1.87	PCI/G
SC-22214-S	05/22/2000	PAH	0	18	UG/KG
SC-22214-S	05/22/2000	RADIUM-226	0.72	0.23	PCI/G
SC-22214-S	05/22/2000	RADIUM-228	0.425	0.85	PCI/G
SC-22214-S	05/22/2000	THORIUM-230	1.16	0.64	PCI/G
SC-22214-S	05/22/2000	URANIUM-238	1.01	2.02	PCI/G
SC-22215-S	05/22/2000	PAH	0	17	UG/KG
SC-22215-S	05/22/2000	RADIUM-226	0.6	0.24	PCI/G
SC-22215-S	05/22/2000	RADIUM-228	0.76	0.38	PCI/G
SC-22215-S	05/22/2000	THORIUM-230	0.94	0.64	PCI/G
SC-22215-S	05/22/2000	URANIUM-238	1.02	2.04	PCI/G
SC-22216-S	05/18/2000	PAH	0	17	UG/KG
SC-22216-S	05/18/2000	RADIUM-226	0.52	0.24	PCI/G
SC-22216-S	05/18/2000	RADIUM-228	0.365	0.73	PCI/G
SC-22216-S	05/18/2000	THORIUM-230	0.9	0.64	PCI/G
SC-22216-S	05/18/2000	URANIUM-238	0.945	1.89	PCI/G
SC-22217-C	05/18/2000	PAH	23	17	UG/KG
SC-22217-C	05/18/2000	RADIUM-226	0.215	0.43	PCI/G
SC-22217-C	05/18/2000	RADIUM-228	0.86	0.4	PCI/G
SC-22217-C	05/18/2000	THORIUM-230	0.9	0.62	PCI/G
SC-22217-C	05/18/2000	URANIUM-238	0.98	1.96	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22217-S	05/18/2000	PAH	0	17	UG/KG
SC-22217-S	05/18/2000	RADIUM-226	0.67	0.25	PCI/G
SC-22217-S	05/18/2000	RADIUM-228	0 95	0.47	PCI/G
SC-22217-S	05/18/2000	THORIUM-230	0 72	0.64	PCI/G
SC-22217-S	05/18/2000	URANIUM-238	1.1	2.2	PCI/G
SC-22218-C	05/22/2000	RADIUM-226	0.66	0 3	PCI/G
SC-22218-C	05/22/2000	RADIUM-228	0 87	0.45	PCI/G
SC-22218-C	05/22/2000	THORIUM-230	1 23	0.64	PCI/G
SC-22218-C	05/22/2000	URANIUM-238	1 15	2 3	PCI/G
SC-22218-S	05/22/2000	PAH	0	17	UG/KG
SC-22218-S	05/22/2000	RADIUM-226	0 47	0.27	PCI/G
SC-22218-S	05/22/2000	RADIUM-228	1.23	0.32	PCI/G
SC-22218-S	05/22/2000	THORIUM-230	1.07	0.64	PCI/G
SC-22218-S	05/22/2000	URANIUM-238	1.05	2.1	PCI/G
SC-22219-S	05/22/2000	PAH	0	18	UG/KG
SC-22219-S	05/22/2000	RADIUM-226	0.225	0.45	PCI/G
SC-22219-S	05/22/2000	RADIUM-228	1.05	0 38	PCI/G
SC-22219-S	05/22/2000	THORIUM-230	0 91	0.64	PCI/G
SC-22219-S	05/22/2000	URANIUM-238	1.095	2 19	PCI/G
SC-22220-S	05/18/2000	PAH	0	17	UG/KG
SC-22220-S	05/18/2000	RADIUM-226	0 66	0 19	PCI/G
SC-22220-S	05/18/2000	RADIUM-228	1 03	0.35	PCI/G
SC-22220-S	05/18/2000	THORIUM-230	0 95	0 62	PCI/G
SC-22220-S	05/18/2000	URANIUM-238	1.025	2 05	PCI/G
SC-22221-C	05/18/2000	PAH	0	18	UG/KG
SC-22221-C	05/18/2000	RADIUM-226	0.56	0.28	PCI/G
SC-22221-C	05/18/2000	RADIUM-228	1.26	0 37	PCI/G
SC-22221-C	05/18/2000	THORIUM-230	1.06	0 64	PCI/G
SC-22221-C	05/18/2000	URANIUM-238	1.08	2 16	PCI/G
SC-22221-S	05/18/2000	PAH	0	18	UG/KG
SC-22221-S	05/18/2000	RADIUM-226	0.94	0 27	PCI/G
SC-22221-S	05/18/2000	RADIUM-228	1.17	0 47	PCI/G
SC-22221-S	05/18/2000	THORIUM-230	3.16	0.62	PCI/G
SC-22221-S	05/18/2000	URANIUM-238	12.3	2.37	PCI/G
SC-22222-S	05/22/2000	PAH	0	17	UG/KG
SC-22222-S	05/22/2000	RADIUM-226	0 91	0.23	PCI/G
SC-22222-S	05/22/2000	RADIUM-228	0.9	0.42	PCI/G
SC-22222-S	05/22/2000	THORIUM-230	1.4	0.64	PCI/G
SC-22222-S	05/22/2000	URANIUM-238	1 145	2.29	PCI/G
SC-22223-S	05/22/2000	RADIUM-226	0.43	0.28	PCI/G
SC-22223-S	05/22/2000	RADIUM-228	0.35	0 7	PCI/G
SC-22223-S	05/22/2000	THORIUM-230	1 06	0 64	PCI/G
SC-22223-S	05/22/2000	URANIUM-238	1	2	PCI/G
SC-22224-S	05/11/2000	RADIUM-226	0 52	0 23	PCI/G
SC-22224-S	05/11/2000	RADIUM-228	1 03	0 32	PCI/G
SC-22224-S	05/11/2000	THORIUM-230	0 94	0.65	PCI/G
SC-22224-S	05/11/2000	URANIUM-238	1 065	2 13	PCI/G
SC-22225-S	04/17/2000	PAH	0	18	UG/KG
SC-22225-S	04/17/2000	RADIUM-226	0 95	0 27	PCI/G
SC-22225-S	04/17/2000	RADIUM-228	0.97	0.39	PCI/G
SC-22225-S	04/17/2000	THORIUM-230	3 52	0 64	PCI/G
SC-22225-S	04/17/2000	URANIUM-238	1.2	2.4	PCI/G
SC-22225-S-01	05/11/2000	RADIUM-226	0 76	0 24	PCI/G
SC-22225-S-01	05/11/2000	RADIUM-228	1 06	0.55	PCI/G
SC-22225-S-01	05/11/2000	THORIUM-230	0 99	0 64	PCI/G
SC-22225-S-01	05/11/2000	URANIUM-238	1 09	2.18	PCI/G
SC-22301-C	05/12/2000	PAH	0	17	UG/KG
SC-22301-C	05/12/2000	RADIUM-226	0.98	0 23	PCI/G
SC-22301-C	05/12/2000	RADIUM-228	1 17	0 39	PCI/G
SC-22301-C	05/12/2000	THORIUM-230	1.22	0 62	PCI/G
SC-22301-C	05/12/2000	URANIUM-238	1.19	2 38	PCI/G
SC-22302-S	05/12/2000	PAH	0	19	UG/KG
SC-22302-S	05/12/2000	RADIUM-226	0.68	0.22	PCI/G
SC-22302-S	05/12/2000	RADIUM-228	1 11	0.35	PCI/G
SC-22302-S	05/12/2000	THORIUM-230	0.82	0.64	PCI/G
SC-22302-S	05/12/2000	URANIUM-238	1 095	2 19	PCI/G
SC-22303-S	06/05/2000	RADIUM-226	0.77	0.3	PCI/G
SC-22303-S	06/05/2000	RADIUM-228	1 15	0.44	PCI/G
SC-22303-S	06/05/2000	THORIUM-230	0.82	0 64	PCI/G
SC-22303-S	06/05/2000	URANIUM-238	7 37	2 78	PCI/G
SC-22305-S	06/05/2000	RADIUM-226	0.8	0.28	PCI/G
SC-22305-S	06/05/2000	RADIUM-228	0 85	0 34	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22305-S	06/05/2000	THORIUM-230	0.9	0.64	PCI/G
SC-22305-S	06/05/2000	URANIUM-238	1.14	2.28	PCI/G
SC-22306-S	06/04/2000	RADIUM-226	0.76	0.25	PCI/G
SC-22306-S	06/04/2000	RADIUM-228	1.06	0.42	PCI/G
SC-22306-S	06/04/2000	THORIUM-230	1.03	0.64	PCI/G
SC-22306-S	06/04/2000	URANIUM-238	1.12	2.24	PCI/G
SC-22307-S	06/04/2000	RADIUM-226	0.63	0.25	PCI/G
SC-22307-S	06/04/2000	RADIUM-228	1.01	0.34	PCI/G
SC-22307-S	06/04/2000	THORIUM-230	0.91	0.64	PCI/G
SC-22307-S	06/04/2000	URANIUM-238	1.155	2.31	PCI/G
SC-22308-S	06/05/2000	RADIUM-226	0.75	0.27	PCI/G
SC-22308-S	06/05/2000	RADIUM-228	0.37	0.74	PCI/G
SC-22308-S	06/05/2000	THORIUM-230	2.33	0.64	PCI/G
SC-22308-S	06/05/2000	URANIUM-238	1.14	2.28	PCI/G
SC-22310-S	06/05/2000	RADIUM-226	0.83	0.25	PCI/G
SC-22310-S	06/05/2000	RADIUM-228	1.17	0.32	PCI/G
SC-22310-S	06/05/2000	THORIUM-230	1.83	0.64	PCI/G
SC-22310-S	06/05/2000	URANIUM-238	1.14	2.28	PCI/G
SC-22311-C	06/05/2000	RADIUM-226	0.26	0.52	PCI/G
SC-22311-C	06/05/2000	RADIUM-228	1.13	0.32	PCI/G
SC-22311-C	06/05/2000	THORIUM-230	1.1	0.64	PCI/G
SC-22311-C	06/05/2000	URANIUM-238	1.08	2.16	PCI/G
SC-22311-S	06/04/2000	RADIUM-226	0.46	0.25	PCI/G
SC-22311-S	06/04/2000	RADIUM-228	1.01	0.36	PCI/G
SC-22311-S	06/04/2000	THORIUM-230	0.9	0.64	PCI/G
SC-22311-S	06/04/2000	URANIUM-238	1.035	2.07	PCI/G
SC-22312-S	06/04/2000	RADIUM-226	0.59	0.24	PCI/G
SC-22312-S	06/04/2000	RADIUM-228	0.99	0.39	PCI/G
SC-22312-S	06/04/2000	THORIUM-230	0.86	0.64	PCI/G
SC-22312-S	06/04/2000	URANIUM-238	1	2	PCI/G
SC-22313-S	06/04/2000	RADIUM-226	0.48	0.26	PCI/G
SC-22313-S	06/04/2000	RADIUM-228	0.92	0.35	PCI/G
SC-22313-S	06/04/2000	THORIUM-230	0.81	0.64	PCI/G
SC-22313-S	06/04/2000	URANIUM-238	1.045	2.09	PCI/G
SC-22315-C	06/05/2000	RADIUM-226	0.87	0.3	PCI/G
SC-22315-C	06/05/2000	RADIUM-228	1.04	0.39	PCI/G
SC-22315-C	06/05/2000	THORIUM-230	1.45	0.64	PCI/G
SC-22315-C	06/05/2000	URANIUM-238	1.15	2.3	PCI/G
SC-22315-S	06/05/2000	RADIUM-226	1.02	0.25	PCI/G
SC-22315-S	06/05/2000	RADIUM-228	1.07	0.35	PCI/G
SC-22315-S	06/05/2000	THORIUM-230	2.3	0.64	PCI/G
SC-22315-S	06/05/2000	URANIUM-238	1.235	2.47	PCI/G
SC-22316-C	06/05/2000	RADIUM-226	2.42	0.33	PCI/G
SC-22316-C	06/05/2000	RADIUM-228	0.435	0.87	PCI/G
SC-22316-C	06/05/2000	THORIUM-230	3.23	0.64	PCI/G
SC-22316-C	06/05/2000	URANIUM-238	1.215	2.43	PCI/G
SC-22316-S	06/04/2000	RADIUM-226	0.7	0.25	PCI/G
SC-22316-S	06/04/2000	RADIUM-228	0.84	0.4	PCI/G
SC-22316-S	06/04/2000	THORIUM-230	1.13	0.64	PCI/G
SC-22316-S	06/04/2000	URANIUM-238	1.085	2.17	PCI/G
SC-22317-S	06/04/2000	RADIUM-226	1.39	0.29	PCI/G
SC-22317-S	06/04/2000	RADIUM-228	0.415	0.83	PCI/G
SC-22317-S	06/04/2000	THORIUM-230	15.7	0.64	PCI/G
SC-22317-S	06/04/2000	URANIUM-238	1.19	2.38	PCI/G
SC-22317-S-RS	06/10/2000	THORIUM-230	0.81	0.64	PCI/G
SC-22318-S	05/22/2000	PAH	0	17	UG/KG
SC-22318-S	05/22/2000	RADIUM-226	0.84	0.24	PCI/G
SC-22318-S	05/22/2000	RADIUM-228	0.97	0.36	PCI/G
SC-22318-S	05/22/2000	THORIUM-230	1.08	0.64	PCI/G
SC-22318-S	05/22/2000	URANIUM-238	1.99	1.92	PCI/G
SC-22320-S	05/12/2000	PAH	0	18	UG/KG
SC-22320-S	05/12/2000	RADIUM-226	0.81	0.3	PCI/G
SC-22320-S	05/12/2000	RADIUM-228	1.13	0.45	PCI/G
SC-22320-S	05/12/2000	THORIUM-230	0.94	0.62	PCI/G
SC-22320-S	05/12/2000	URANIUM-238	1.115	2.23	PCI/G
SC-22321-S	05/22/2000	RADIUM-226	0.59	0.25	PCI/G
SC-22321-S	05/22/2000	RADIUM-228	0.94	0.42	PCI/G
SC-22321-S	05/22/2000	THORIUM-230	0.84	0.64	PCI/G
SC-22321-S	05/22/2000	URANIUM-238	1.01	2.02	PCI/G
SC-22322-S	05/22/2000	PAH	0	16	UG/KG
SC-22322-S	05/22/2000	RADIUM-226	0.92	0.27	PCI/G
SC-22322-S	05/22/2000	RADIUM-228	0.84	0.37	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22322-S	05/22/2000	THORIUM-230	8 14	0 64	PCI/G
SC-22322-S	05/22/2000	URANIUM-238	1.19	2.38	PCI/G
SC-22322-S-RS	06/01/2000	THORIUM-230	1.21	0 65	PCI/G
SC-22323-S	05/22/2000	PAH	0	17	UG/KG
SC-22323-S	05/22/2000	RADIUM-226	0.59	0.24	PCI/G
SC-22323-S	05/22/2000	RADIUM-228	0.96	0.34	PCI/G
SC-22323-S	05/22/2000	THORIUM-230	2 16	0.64	PCI/G
SC-22323-S	05/22/2000	URANIUM-238	1.11	2 22	PCI/G
SC-22401-C	05/12/2000	PAH	0	18	UG/KG
SC-22401-C	05/12/2000	RADIUM-226	0.94	0.23	PCI/G
SC-22401-C	05/12/2000	RADIUM-228	1 13	0.31	PCI/G
SC-22401-C	05/12/2000	THORIUM-230	1	0 64	PCI/G
SC-22401-C	05/12/2000	URANIUM-238	1.06	2 12	PCI/G
SC-22402-S	05/23/2000	RADIUM-226	0.86	0 31	PCI/G
SC-22402-S	05/23/2000	RADIUM-228	0 37	0 74	PCI/G
SC-22402-S	05/23/2000	THORIUM-230	5 86	0 64	PCI/G
SC-22402-S	05/23/2000	URANIUM-238	1 175	2 35	PCI/G
SC-22403-S	06/03/2000	RADIUM-226	0.44	0 25	PCI/G
SC-22403-S	06/03/2000	RADIUM-228	1.13	0.33	PCI/G
SC-22403-S	06/03/2000	THORIUM-230	0.95	0 64	PCI/G
SC-22403-S	06/03/2000	URANIUM-238	1	2	PCI/G
SC-22404-S	06/03/2000	RADIUM-226	0 245	0 49	PCI/G
SC-22404-S	06/03/2000	RADIUM-228	1 02	0 43	PCI/G
SC-22404-S	06/03/2000	THORIUM-230	1 05	0 65	PCI/G
SC-22404-S	06/03/2000	URANIUM-238	1 035	2 07	PCI/G
SC-22405-S	06/03/2000	RADIUM-226	0.72	0 25	PCI/G
SC-22405-S	06/03/2000	RADIUM-228	0.94	0 39	PCI/G
SC-22405-S	06/03/2000	THORIUM-230	0.92	0 64	PCI/G
SC-22405-S	06/03/2000	URANIUM-238	1 07	2 14	PCI/G
SC-22407-S	05/23/2000	RADIUM-226	0 71	0 24	PCI/G
SC-22407-S	05/23/2000	RADIUM-228	1 09	0 35	PCI/G
SC-22407-S	05/23/2000	THORIUM-230	3 12	0 64	PCI/G
SC-22407-S	05/23/2000	URANIUM-238	1 14	2 28	PCI/G
SC-22408-S	06/03/2000	RADIUM-226	0 57	0 2	PCI/G
SC-22408-S	06/03/2000	RADIUM-228	1 21	0 32	PCI/G
SC-22408-S	06/03/2000	THORIUM-230	0 86	0.64	PCI/G
SC-22408-S	06/03/2000	URANIUM-238	1 065	2 13	PCI/G
SC-22409-S	06/03/2000	RADIUM-226	0 53	0.28	PCI/G
SC-22409-S	06/03/2000	RADIUM-228	1 13	0 45	PCI/G
SC-22409-S	06/03/2000	THORIUM-230	1 61	0 64	PCI/G
SC-22409-S	06/03/2000	URANIUM-238	1 045	2 09	PCI/G
SC-22410-S	06/03/2000	RADIUM-226	0 57	0 2	PCI/G
SC-22410-S	06/03/2000	RADIUM-228	0.94	0 31	PCI/G
SC-22410-S	06/03/2000	THORIUM-230	1 17	0 64	PCI/G
SC-22410-S	06/03/2000	URANIUM-238	1 02	2 04	PCI/G
SC-22411-C	05/12/2000	PAH	0	17	UG/KG
SC-22411-C	05/12/2000	RADIUM-226	1 31	0.14	PCI/G
SC-22411-C	05/12/2000	RADIUM-228	0 82	0.39	PCI/G
SC-22411-C	05/12/2000	THORIUM-230	11	0.62	PCI/G
SC-22411-C	05/12/2000	URANIUM-238	2 92	2.29	PCI/G
SC-22411-C-RS	05/22/2000	THORIUM-230	1 03	0.64	PCI/G
SC-22412-S	05/23/2000	RADIUM-226	0.275	0 55	PCI/G
SC-22412-S	05/23/2000	RADIUM-228	0 87	0 46	PCI/G
SC-22412-S	05/23/2000	THORIUM-230	4 21	0.64	PCI/G
SC-22412-S	05/23/2000	URANIUM-238	1.01	2 02	PCI/G
SC-22413-S	06/03/2000	RADIUM-226	0.53	0.27	PCI/G
SC-22413-S	06/03/2000	RADIUM-228	1.02	0 35	PCI/G
SC-22413-S	06/03/2000	THORIUM-230	0.95	0 65	PCI/G
SC-22413-S	06/03/2000	URANIUM-238	1.08	2 16	PCI/G
SC-22414-S	06/03/2000	RADIUM-226	0.5	0.24	PCI/G
SC-22414-S	06/03/2000	RADIUM-228	0.99	0.36	PCI/G
SC-22414-S	06/03/2000	THORIUM-230	0.99	0.64	PCI/G
SC-22414-S	06/03/2000	URANIUM-238	1.095	2.19	PCI/G
SC-22415-S	06/03/2000	RADIUM-226	0.61	0 24	PCI/G
SC-22415-S	06/03/2000	RADIUM-228	0.38	0.76	PCI/G
SC-22415-S	06/03/2000	THORIUM-230	1.33	0.64	PCI/G
SC-22415-S	06/03/2000	URANIUM-238	1.78	2 4	PCI/G
SC-22417-S	05/12/2000	PAH	0	19	UG/KG
SC-22417-S	05/12/2000	RADIUM-226	0 9	0.28	PCI/G
SC-22417-S	05/12/2000	RADIUM-228	1.32	0 3	PCI/G
SC-22417-S	05/12/2000	THORIUM-230	0 96	0 62	PCI/G
SC-22417-S	05/12/2000	URANIUM-238	1 2	2 4	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22418-S	06/05/2000	RADIUM-226	1.05	0.25	PCI/G
SC-22418-S	06/05/2000	RADIUM-228	1.16	0.4	PCI/G
SC-22418-S	06/05/2000	THORIUM-230	2.49	0.64	PCI/G
SC-22418-S	06/05/2000	URANIUM-238	1.235	2.47	PCI/G
SC-22419-S	06/05/2000	RADIUM-226	4	0.28	PCI/G
SC-22419-S	06/05/2000	RADIUM-228	1.12	0.54	PCI/G
SC-22419-S	06/05/2000	THORIUM-230	1.15	0.64	PCI/G
SC-22419-S	06/05/2000	URANIUM-238	1.395	2.79	PCI/G
SC-22419-S-HS01	06/09/2000	RADIUM-226	0.79	0.25	PCI/G
SC-22419-S-HS01	06/09/2000	RADIUM-228	0.58	0.43	PCI/G
SC-22419-S-HS02	06/09/2000	RADIUM-226	0.74	0.24	PCI/G
SC-22419-S-HS02	06/09/2000	RADIUM-228	1.27	0.29	PCI/G
SC-22419-S-HS03	06/09/2000	RADIUM-226	0.79	0.26	PCI/G
SC-22419-S-HS03	06/09/2000	RADIUM-228	1.08	0.35	PCI/G
SC-22419-S-HS04	06/09/2000	RADIUM-226	0.64	0.19	PCI/G
SC-22419-S-HS04	06/09/2000	RADIUM-228	1.14	0.28	PCI/G
SC-22420-S	06/05/2000	RADIUM-226	0.93	0.24	PCI/G
SC-22420-S	06/05/2000	RADIUM-228	1.15	0.39	PCI/G
SC-22420-S	06/05/2000	THORIUM-230	0.88	0.64	PCI/G
SC-22420-S	06/05/2000	URANIUM-238	1.14	2.28	PCI/G
SC-22421-S	06/05/2000	RADIUM-226	0.79	0.29	PCI/G
SC-22421-S	06/05/2000	RADIUM-228	1.02	0.39	PCI/G
SC-22421-S	06/05/2000	THORIUM-230	0.96	0.64	PCI/G
SC-22421-S	06/05/2000	URANIUM-238	1.03	2.06	PCI/G
SC-22422-S	06/05/2000	RADIUM-226	0.98	0.26	PCI/G
SC-22422-S	06/05/2000	RADIUM-228	1.13	0.32	PCI/G
SC-22422-S	06/05/2000	THORIUM-230	1.12	0.64	PCI/G
SC-22422-S	06/05/2000	URANIUM-238	1.37	2.74	PCI/G
SC-22501-C	03/07/2000	RADIUM-226	0.89	0.26	PCI/G
SC-22501-C	03/07/2000	RADIUM-228	0.93	0.42	PCI/G
SC-22501-C	03/07/2000	THORIUM-230	2.3	0.64	PCI/G
SC-22501-C	03/07/2000	URANIUM-238	1.13	2.26	PCI/G
SC-22501-S	03/07/2000	RADIUM-226	0.79	0.25	PCI/G
SC-22501-S	03/07/2000	RADIUM-228	1.09	0.37	PCI/G
SC-22501-S	03/07/2000	THORIUM-230	3.04	0.64	PCI/G
SC-22501-S	03/07/2000	URANIUM-238	2.07	2.04	PCI/G
SC-22501-U	03/24/2000	RADIUM-226	0.72	0.25	PCI/G
SC-22501-U	03/24/2000	RADIUM-228	0.94	0.38	PCI/G
SC-22501-U	03/24/2000	THORIUM-230	0.94	0.64	PCI/G
SC-22501-U	03/24/2000	URANIUM-238	1.135	2.27	PCI/G
SC-22502-S	03/07/2000	RADIUM-226	0.8	0.23	PCI/G
SC-22502-S	03/07/2000	RADIUM-228	0.78	0.35	PCI/G
SC-22502-S	03/07/2000	THORIUM-230	2.82	0.64	PCI/G
SC-22502-S	03/07/2000	URANIUM-238	1.245	2.49	PCI/G
SC-22502-U	03/24/2000	RADIUM-226	0.78	0.28	PCI/G
SC-22502-U	03/24/2000	RADIUM-228	1.15	0.44	PCI/G
SC-22502-U	03/24/2000	THORIUM-230	1.17	0.64	PCI/G
SC-22502-U	03/24/2000	URANIUM-238	0.985	1.97	PCI/G
SC-22503-C	03/07/2000	RADIUM-226	0.75	0.24	PCI/G
SC-22503-C	03/07/2000	RADIUM-228	1.06	0.39	PCI/G
SC-22503-C	03/07/2000	THORIUM-230	2.22	0.64	PCI/G
SC-22503-C	03/07/2000	URANIUM-238	1.27	2.54	PCI/G
SC-22503-S	03/07/2000	RADIUM-226	0.95	0.22	PCI/G
SC-22503-S	03/07/2000	RADIUM-228	0.42	0.84	PCI/G
SC-22503-S	03/07/2000	THORIUM-230	3.39	0.62	PCI/G
SC-22503-S	03/07/2000	URANIUM-238	1.2	2.4	PCI/G
SC-22503-U	07/22/2000	RADIUM-226	0.89	0.28	PCI/G
SC-22503-U	07/22/2000	RADIUM-228	0.39	0.78	PCI/G
SC-22503-U	07/22/2000	THORIUM-230	1.41	0.64	PCI/G
SC-22503-U	07/22/2000	URANIUM-238	2.73	2.43	PCI/G
SC-22504-S	03/07/2000	RADIUM-226	0.48	0.23	PCI/G
SC-22504-S	03/07/2000	RADIUM-228	0.5	0.36	PCI/G
SC-22504-S	03/07/2000	THORIUM-230	2.47	0.64	PCI/G
SC-22504-S	03/07/2000	URANIUM-238	0.975	1.95	PCI/G
SC-22504-U	07/22/2000	RADIUM-226	1.05	0.24	PCI/G
SC-22504-U	07/22/2000	RADIUM-228	1.03	0.31	PCI/G
SC-22504-U	07/22/2000	THORIUM-230	1.92	0.65	PCI/G
SC-22504-U	07/22/2000	URANIUM-238	1.145	2.29	PCI/G
SC-22505-S	05/23/2000	RADIUM-226	0.64	0.26	PCI/G
SC-22505-S	05/23/2000	RADIUM-228	1.02	0.38	PCI/G
SC-22505-S	05/23/2000	THORIUM-230	3.63	0.64	PCI/G
SC-22505-S	05/23/2000	URANIUM-238	1.11	2.22	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22506-S	05/23/2000	RADIUM-226	0 68	0 28	PCI/G
SC-22506-S	05/23/2000	RADIUM-228	0 97	0 45	PCI/G
SC-22506-S	05/23/2000	THORIUM-230	1.45	0 64	PCI/G
SC-22506-S	05/23/2000	URANIUM-238	1.68	2 47	PCI/G
SC-22506-U	07/22/2000	RADIUM-226	0 285	0.57	PCI/G
SC-22506-U	07/22/2000	RADIUM-228	0.385	0 77	PCI/G
SC-22506-U	07/22/2000	THORIUM-230	2.04	0 65	PCI/G
SC-22506-U	07/22/2000	URANIUM-238	1.145	2.29	PCI/G
SC-22507-S	05/20/2000	RADIUM-226	0 83	0 26	PCI/G
SC-22507-S	05/20/2000	RADIUM-228	0 88	0 36	PCI/G
SC-22507-S	05/20/2000	THORIUM-230	5.03	0 64	PCI/G
SC-22507-S	05/20/2000	URANIUM-238	1 305	2 61	PCI/G
SC-22508-S	05/20/2000	RADIUM-226	0.84	0 26	PCI/G
SC-22508-S	05/20/2000	RADIUM-228	0.41	0 82	PCI/G
SC-22508-S	05/20/2000	THORIUM-230	1.59	0.64	PCI/G
SC-22508-S	05/20/2000	URANIUM-238	1.17	2 34	PCI/G
SC-22509-S	06/03/2000	RADIUM-226	0.61	0.23	PCI/G
SC-22509-S	06/03/2000	RADIUM-228	1 14	0 38	PCI/G
SC-22509-S	06/03/2000	THORIUM-230	0.95	0 64	PCI/G
SC-22509-S	06/03/2000	URANIUM-238	1.08	2.16	PCI/G
SC-22510-S	05/23/2000	RADIUM-226	0.65	0 27	PCI/G
SC-22510-S	05/23/2000	RADIUM-228	1 19	0 37	PCI/G
SC-22510-S	05/23/2000	THORIUM-230	3 06	0 64	PCI/G
SC-22510-S	05/23/2000	URANIUM-238	1 185	2 37	PCI/G
SC-22511-S	05/20/2000	RADIUM-226	0.24	0 48	PCI/G
SC-22511-S	05/20/2000	RADIUM-228	0 83	0 43	PCI/G
SC-22511-S	05/20/2000	THORIUM-230	1.23	0 64	PCI/G
SC-22511-S	05/20/2000	URANIUM-238	1 145	2 29	PCI/G
SC-22512-S	05/20/2000	RADIUM-226	0 67	0 3	PCI/G
SC-22512-S	05/20/2000	RADIUM-228	1 05	0 41	PCI/G
SC-22512-S	05/20/2000	THORIUM-230	1 52	0 64	PCI/G
SC-22512-S	05/20/2000	URANIUM-238	1 195	2 39	PCI/G
SC-22513-S	06/03/2000	RADIUM-226	0 51	0 24	PCI/G
SC-22513-S	06/03/2000	RADIUM-228	1 1	0 34	PCI/G
SC-22513-S	06/03/2000	THORIUM-230	1 13	0 64	PCI/G
SC-22513-S	06/03/2000	URANIUM-238	1 095	2 19	PCI/G
SC-22514-S	06/03/2000	RADIUM-226	0 61	0 26	PCI/G
SC-22514-S	06/03/2000	RADIUM-228	0 74	0 49	PCI/G
SC-22514-S	06/03/2000	THORIUM-230	1 07	0 64	PCI/G
SC-22514-S	06/03/2000	URANIUM-238	1 08	2 16	PCI/G
SC-22515-S	05/20/2000	PAH	0	18	UG/KG
SC-22515-S	05/20/2000	RADIUM-226	0 59	0 24	PCI/G
SC-22515-S	05/20/2000	RADIUM-228	1 23	0 36	PCI/G
SC-22515-S	05/20/2000	THORIUM-230	1 03	0 64	PCI/G
SC-22515-S	05/20/2000	URANIUM-238	1 075	2 15	PCI/G
SC-22516-S	05/20/2000	RADIUM-226	0 24	0 48	PCI/G
SC-22516-S	05/20/2000	RADIUM-228	0 98	0 45	PCI/G
SC-22516-S	05/20/2000	THORIUM-230	0 64	0 64	PCI/G
SC-22516-S	05/20/2000	URANIUM-238	1 12	2 24	PCI/G
SC-22517-S	06/03/2000	RADIUM-226	0 66	0 24	PCI/G
SC-22517-S	06/03/2000	RADIUM-228	1 24	0 31	PCI/G
SC-22517-S	06/03/2000	THORIUM-230	0 95	0 64	PCI/G
SC-22517-S	06/03/2000	URANIUM-238	1 095	2 19	PCI/G
SC-22518-S	06/03/2000	RADIUM-226	0 56	0 26	PCI/G
SC-22518-S	06/03/2000	RADIUM-228	1 3	0 37	PCI/G
SC-22518-S	06/03/2000	THORIUM-230	1 09	0 64	PCI/G
SC-22518-S	06/03/2000	URANIUM-238	1 015	2 03	PCI/G
SC-22519-S	05/20/2000	PAH	0	18	UG/KG
SC-22519-S	05/20/2000	RADIUM-226	0 71	0 22	PCI/G
SC-22519-S	05/20/2000	RADIUM-228	1 03	0 34	PCI/G
SC-22519-S	05/20/2000	THORIUM-230	1 02	0 64	PCI/G
SC-22519-S	05/20/2000	URANIUM-238	2 4	1 93	PCI/G
SC-22521-S	06/03/2000	RADIUM-226	0 54	0 24	PCI/G
SC-22521-S	06/03/2000	RADIUM-228	1 18	0 33	PCI/G
SC-22521-S	06/03/2000	THORIUM-230	1 13	0 64	PCI/G
SC-22521-S	06/03/2000	URANIUM-238	1 08	2 16	PCI/G
SC-22522-S	06/03/2000	RADIUM-226	0 49	0 27	PCI/G
SC-22522-S	06/03/2000	RADIUM-228	0 95	0 39	PCI/G
SC-22522-S	06/03/2000	THORIUM-230	1 2	0 64	PCI/G
SC-22522-S	06/03/2000	URANIUM-238	1 165	2 33	PCI/G
SC-22523-S	05/20/2000	PAH	0	19	UG/KG
SC-22523-S	05/20/2000	RADIUM-226	0 26	0 52	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22523-S	05/20/2000	RADIUM-228	1.18	0.41	PCI/G
SC-22523-S	05/20/2000	THORIUM-230	1.23	0.64	PCI/G
SC-22523-S	05/20/2000	URANIUM-238	1.02	2.04	PCI/G
SC-22524-S	06/03/2000	RADIUM-226	0.48	0.23	PCI/G
SC-22524-S	06/03/2000	RADIUM-228	1.07	0.3	PCI/G
SC-22524-S	06/03/2000	THORIUM-230	0.96	0.64	PCI/G
SC-22524-S	06/03/2000	URANIUM-238	1.07	2.14	PCI/G
SC-22525-S	06/03/2000	RADIUM-226	0.47	0.24	PCI/G
SC-22525-S	06/03/2000	RADIUM-228	0.98	0.34	PCI/G
SC-22525-S	06/03/2000	THORIUM-230	0.7	0.64	PCI/G
SC-22525-S	06/03/2000	URANIUM-238	1.04	2.08	PCI/G
SC-22526-S	05/20/2000	PAH	0	19	UG/KG
SC-22526-S	05/20/2000	RADIUM-226	0.77	0.27	PCI/G
SC-22526-S	05/20/2000	RADIUM-228	1.03	0.35	PCI/G
SC-22526-S	05/20/2000	THORIUM-230	0.96	0.64	PCI/G
SC-22526-S	05/20/2000	URANIUM-238	1.115	2.23	PCI/G
SC-22601-S	03/07/2000	RADIUM-226	0.66	0.25	PCI/G
SC-22601-S	03/07/2000	RADIUM-228	0.99	0.38	PCI/G
SC-22601-S	03/07/2000	THORIUM-230	3.37	0.64	PCI/G
SC-22601-S	03/07/2000	URANIUM-238	1.04	2.08	PCI/G
SC-22601-U	03/24/2000	RADIUM-226	0.78	0.28	PCI/G
SC-22601-U	03/24/2000	RADIUM-228	0.89	0.36	PCI/G
SC-22601-U	03/24/2000	THORIUM-230	0.95	0.64	PCI/G
SC-22601-U	03/24/2000	URANIUM-238	1.145	2.29	PCI/G
SC-22602-C	03/07/2000	RADIUM-226	0.78	0.25	PCI/G
SC-22602-C	03/07/2000	RADIUM-228	1.06	0.37	PCI/G
SC-22602-C	03/07/2000	THORIUM-230	2.66	0.64	PCI/G
SC-22602-C	03/07/2000	URANIUM-238	1.1	2.2	PCI/G
SC-22602-S	03/07/2000	RADIUM-226	0.75	0.25	PCI/G
SC-22602-S	03/07/2000	RADIUM-228	1.07	0.5	PCI/G
SC-22602-S	03/07/2000	THORIUM-230	5.9	0.62	PCI/G
SC-22602-S	03/07/2000	URANIUM-238	1.09	2.18	PCI/G
SC-22602-U	03/24/2000	RADIUM-226	0.92	0.27	PCI/G
SC-22602-U	03/24/2000	RADIUM-228	0.405	0.81	PCI/G
SC-22602-U	03/24/2000	THORIUM-230	1.05	0.64	PCI/G
SC-22602-U	03/24/2000	URANIUM-238	1.19	2.38	PCI/G
SC-22603-S	03/07/2000	RADIUM-226	0.79	0.25	PCI/G
SC-22603-S	03/07/2000	RADIUM-228	1.15	0.38	PCI/G
SC-22603-S	03/07/2000	THORIUM-230	2.69	0.64	PCI/G
SC-22603-S	03/07/2000	URANIUM-238	1.195	2.39	PCI/G
SC-22603-U	03/24/2000	RADIUM-226	0.81	0.25	PCI/G
SC-22603-U	03/24/2000	RADIUM-228	1.18	0.34	PCI/G
SC-22603-U	03/24/2000	THORIUM-230	0.88	0.64	PCI/G
SC-22603-U	03/24/2000	URANIUM-238	1.135	2.27	PCI/G
SC-22604-C	03/07/2000	RADIUM-226	0.64	0.27	PCI/G
SC-22604-C	03/07/2000	RADIUM-228	1.14	0.33	PCI/G
SC-22604-C	03/07/2000	THORIUM-230	2.59	0.64	PCI/G
SC-22604-C	03/07/2000	URANIUM-238	1.045	2.09	PCI/G
SC-22604-S	03/07/2000	RADIUM-226	0.75	0.25	PCI/G
SC-22604-S	03/07/2000	RADIUM-228	1.09	0.39	PCI/G
SC-22604-S	03/07/2000	THORIUM-230	1.67	0.64	PCI/G
SC-22604-S	03/07/2000	URANIUM-238	1.165	2.33	PCI/G
SC-22604-U	03/24/2000	RADIUM-226	0.81	0.24	PCI/G
SC-22604-U	03/24/2000	RADIUM-228	1.17	0.37	PCI/G
SC-22604-U	03/24/2000	THORIUM-230	0.91	0.64	PCI/G
SC-22604-U	03/24/2000	URANIUM-238	1.035	2.07	PCI/G
SC-22605-S	03/07/2000	RADIUM-226	0.8	0.23	PCI/G
SC-22605-S	03/07/2000	RADIUM-228	0.415	0.83	PCI/G
SC-22605-S	03/07/2000	THORIUM-230	3.36	0.62	PCI/G
SC-22605-S	03/07/2000	URANIUM-238	2.28	2.26	PCI/G
SC-22605-U	03/24/2000	RADIUM-226	0.89	0.24	PCI/G
SC-22605-U	03/24/2000	RADIUM-228	1	0.35	PCI/G
SC-22605-U	03/24/2000	THORIUM-230	1.13	0.64	PCI/G
SC-22605-U	03/24/2000	URANIUM-238	1.15	2.3	PCI/G
SC-22606-S	06/07/2000	RADIUM-226	0.79	0.22	PCI/G
SC-22606-S	06/07/2000	RADIUM-228	0.97	0.32	PCI/G
SC-22606-S	06/07/2000	THORIUM-230	0.92	0.64	PCI/G
SC-22606-S	06/07/2000	URANIUM-238	1.155	2.31	PCI/G
SC-22607-S	06/07/2000	RADIUM-226	1.12	0.28	PCI/G
SC-22607-S	06/07/2000	RADIUM-228	1.37	0.42	PCI/G
SC-22607-S	06/07/2000	THORIUM-230	0.83	0.62	PCI/G
SC-22607-S	06/07/2000	URANIUM-238	0.975	1.95	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22608-S	06/03/2000	RADIUM-226	0.49	0 26	PCI/G
SC-22608-S	06/03/2000	RADIUM-228	0.38	0 76	PCI/G
SC-22608-S	06/03/2000	THORIUM-230	1 16	0.65	PCI/G
SC-22608-S	06/03/2000	URANIUM-238	1 11	2 22	PCI/G
SC-22609-S	06/03/2000	RADIUM-226	0.5	0.24	PCI/G
SC-22609-S	06/03/2000	RADIUM-228	0.96	0.32	PCI/G
SC-22609-S	06/03/2000	THORIUM-230	1.06	0 64	PCI/G
SC-22609-S	06/03/2000	URANIUM-238	1 065	2 13	PCI/G
SC-22610-S	06/03/2000	RADIUM-226	0.69	0 27	PCI/G
SC-22610-S	06/03/2000	RADIUM-228	0.395	0 79	PCI/G
SC-22610-S	06/03/2000	THORIUM-230	0.92	0 64	PCI/G
SC-22610-S	06/03/2000	URANIUM-238	1.135	2.27	PCI/G
SC-22611-S	04/06/2000	PAH	0	19	UG/KG
SC-22611-S	04/06/2000	RADIUM-226	0.81	0.3	PCI/G
SC-22611-S	04/06/2000	RADIUM-228	1.02	0 4	PCI/G
SC-22611-S	04/06/2000	THORIUM-230	1 68	0.64	PCI/G
SC-22611-S	04/06/2000	URANIUM-238	1.08	2.16	PCI/G
SC-22612-S	05/23/2000	RADIUM-226	0 71	0.22	PCI/G
SC-22612-S	05/23/2000	RADIUM-228	1.02	0.35	PCI/G
SC-22612-S	05/23/2000	THORIUM-230	1.07	0 64	PCI/G
SC-22612-S	05/23/2000	URANIUM-238	1.105	2.21	PCI/G
SC-22613-S	06/03/2000	RADIUM-226	0.68	0.21	PCI/G
SC-22613-S	06/03/2000	RADIUM-228	1.29	0 34	PCI/G
SC-22613-S	06/03/2000	THORIUM-230	0.98	0.64	PCI/G
SC-22613-S	06/03/2000	URANIUM-238	1 09	2 18	PCI/G
SC-22614-S	06/03/2000	RADIUM-226	0.61	0.27	PCI/G
SC-22614-S	06/03/2000	RADIUM-228	1.22	0.41	PCI/G
SC-22614-S	06/03/2000	THORIUM-230	0 94	0 65	PCI/G
SC-22614-S	06/03/2000	URANIUM-238	1 11	2.22	PCI/G
SC-22615-S	06/03/2000	RADIUM-226	0 63	0.23	PCI/G
SC-22615-S	06/03/2000	RADIUM-228	1 23	0 35	PCI/G
SC-22615-S	06/03/2000	THORIUM-230	1.2	0 64	PCI/G
SC-22615-S	06/03/2000	URANIUM-238	1 045	2.09	PCI/G
SC-22616-C	05/23/2000	RADIUM-226	0.9	0.14	PCI/G
SC-22616-C	05/23/2000	RADIUM-228	1 19	0.34	PCI/G
SC-22616-C	05/23/2000	THORIUM-230	0 98	0.64	PCI/G
SC-22616-C	05/23/2000	URANIUM-238	1 17	2.34	PCI/G
SC-22617-S	05/23/2000	RADIUM-226	0 83	0 27	PCI/G
SC-22617-S	05/23/2000	RADIUM-228	1 14	0.43	PCI/G
SC-22617-S	05/23/2000	THORIUM-230	1 22	0 64	PCI/G
SC-22617-S	05/23/2000	URANIUM-238	1 05	2 1	PCI/G
SC-22618-S	06/03/2000	RADIUM-226	0 6	0.25	PCI/G
SC-22618-S	06/03/2000	RADIUM-228	1 04	0 35	PCI/G
SC-22618-S	06/03/2000	THORIUM-230	1 28	0 64	PCI/G
SC-22618-S	06/03/2000	URANIUM-238	1.105	2 21	PCI/G
SC-22619-S	06/03/2000	RADIUM-226	0.64	0.22	PCI/G
SC-22619-S	06/03/2000	RADIUM-228	1.08	0.35	PCI/G
SC-22619-S	06/03/2000	THORIUM-230	1.3	0 64	PCI/G
SC-22619-S	06/03/2000	URANIUM-238	1 075	2.15	PCI/G
SC-22620-S	06/03/2000	RADIUM-226	0 54	0.27	PCI/G
SC-22620-S	06/03/2000	RADIUM-228	0.81	0 45	PCI/G
SC-22620-S	06/03/2000	THORIUM-230	0.85	0.65	PCI/G
SC-22620-S	06/03/2000	URANIUM-238	1 02	2.04	PCI/G
SC-22622-S	05/23/2000	RADIUM-226	0.89	0.24	PCI/G
SC-22622-S	05/23/2000	RADIUM-228	1.23	0.33	PCI/G
SC-22622-S	05/23/2000	THORIUM-230	1 06	0.64	PCI/G
SC-22622-S	05/23/2000	URANIUM-238	1 15	2.3	PCI/G
SC-22623-S	06/03/2000	RADIUM-226	0.44	0.25	PCI/G
SC-22623-S	06/03/2000	RADIUM-228	1.01	0.31	PCI/G
SC-22623-S	06/03/2000	THORIUM-230	1 07	0.64	PCI/G
SC-22623-S	06/03/2000	URANIUM-238	1.05	2.1	PCI/G
SC-22624-S	06/03/2000	RADIUM-226	0.5	0.24	PCI/G
SC-22624-S	06/03/2000	RADIUM-228	0.96	0.33	PCI/G
SC-22624-S	06/03/2000	THORIUM-230	1.09	0 64	PCI/G
SC-22624-S	06/03/2000	URANIUM-238	1.035	2.07	PCI/G
SC-22625-S	06/03/2000	RADIUM-226	0.85	0.22	PCI/G
SC-22625-S	06/03/2000	RADIUM-228	1 17	0 27	PCI/G
SC-22625-S	06/03/2000	THORIUM-230	1 14	0.64	PCI/G
SC-22625-S	06/03/2000	URANIUM-238	1 16	2.32	PCI/G
SC-22701-S	03/29/1999	RADIUM-226	1.36	0.22	PCI/G
SC-22701-S	03/29/1999	RADIUM-228	1 18	0.51	PCI/G
SC-22701-S	03/29/1999	THORIUM-230	0.99	0 62	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22701-S	03/29/1999	URANIUM-238	1.34	2.68	PCI/G
SC-22701-S-01	07/15/1999	RADIUM-226	0.96	0.31	PCI/G
SC-22701-S-01	07/15/1999	RADIUM-228	0.405	0.81	PCI/G
SC-22701-S-01	07/15/1999	THORIUM-230	1.45	0.62	PCI/G
SC-22701-S-01	07/15/1999	URANIUM-238	1.34	2.68	PCI/G
SC-22701-U	03/30/2000	RADIUM-226	0.86	0.32	PCI/G
SC-22701-U	03/30/2000	RADIUM-228	0.42	0.84	PCI/G
SC-22701-U	03/30/2000	THORIUM-230	0.82	0.64	PCI/G
SC-22701-U	03/30/2000	URANIUM-238	1.035	2.07	PCI/G
SC-22702-S	03/29/1999	RADIUM-226	1.23	0.33	PCI/G
SC-22702-S	03/29/1999	RADIUM-228	1.2	0.47	PCI/G
SC-22702-S	03/29/1999	THORIUM-230	1.9	0.62	PCI/G
SC-22702-S	03/29/1999	URANIUM-238	1.41	2.82	PCI/G
SC-22702-S-01	07/15/1999	RADIUM-226	1.08	0.29	PCI/G
SC-22702-S-01	07/15/1999	RADIUM-228	1.01	0.42	PCI/G
SC-22702-S-01	07/15/1999	THORIUM-230	1.19	0.62	PCI/G
SC-22702-S-01	07/15/1999	URANIUM-238	1.345	2.69	PCI/G
SC-22702-U	03/30/2000	RADIUM-226	0.88	0.24	PCI/G
SC-22702-U	03/30/2000	RADIUM-228	0.95	0.31	PCI/G
SC-22702-U	03/30/2000	THORIUM-230	0.64	0.64	PCI/G
SC-22702-U	03/30/2000	URANIUM-238	1.16	2.32	PCI/G
SC-22703-C	03/31/1999	RADIUM-226	1.26	0.32	PCI/G
SC-22703-C	03/31/1999	RADIUM-228	0.475	0.95	PCI/G
SC-22703-C	03/31/1999	THORIUM-230	2.55	0.62	PCI/G
SC-22703-C	03/31/1999	URANIUM-238	1.4	2.8	PCI/G
SC-22703-C-RS	03/22/2000	PAH	21	15	UG/KG
SC-22703-C-RS	03/22/2000	RADIUM-226	0.84	0.26	PCI/G
SC-22703-C-RS	03/22/2000	RADIUM-228	0.69	0.52	PCI/G
SC-22703-C-RS	03/22/2000	THORIUM-230	1.46	0.64	PCI/G
SC-22703-C-RS	03/22/2000	URANIUM-238	2.76	2.55	PCI/G
SC-22703-S	03/31/1999	RADIUM-226	1.31	0.31	PCI/G
SC-22703-S	03/31/1999	RADIUM-228	1.12	0.46	PCI/G
SC-22703-S	03/31/1999	THORIUM-230	2.84	0.62	PCI/G
SC-22703-S	03/31/1999	URANIUM-238	1.465	2.93	PCI/G
SC-22703-U	03/30/2000	RADIUM-226	1.02	0.23	PCI/G
SC-22703-U	03/30/2000	RADIUM-228	1.16	0.38	PCI/G
SC-22703-U	03/30/2000	THORIUM-230	1.09	0.64	PCI/G
SC-22703-U	03/30/2000	URANIUM-238	1.21	2.42	PCI/G
SC-22704-S	03/22/2000	PAH	0	12	UG/KG
SC-22704-S	03/22/2000	RADIUM-226	0.79	0.23	PCI/G
SC-22704-S	03/22/2000	RADIUM-228	0.99	0.35	PCI/G
SC-22704-S	03/22/2000	THORIUM-230	0.93	0.65	PCI/G
SC-22704-S	03/22/2000	URANIUM-238	1.15	2.3	PCI/G
SC-22704-U	06/07/2000	PAH	0	19	UG/KG
SC-22704-U	06/07/2000	RADIUM-226	1.14	0.22	PCI/G
SC-22704-U	06/07/2000	RADIUM-228	1.13	0.32	PCI/G
SC-22704-U	06/07/2000	THORIUM-230	1.3	0.64	PCI/G
SC-22704-U	06/07/2000	URANIUM-238	1.18	2.36	PCI/G
SC-22705-C	03/07/2000	RADIUM-226	0.7	0.25	PCI/G
SC-22705-C	03/07/2000	RADIUM-228	1	0.36	PCI/G
SC-22705-C	03/07/2000	THORIUM-230	2.67	0.64	PCI/G
SC-22705-C	03/07/2000	URANIUM-238	1.115	2.23	PCI/G
SC-22705-C-RS	03/22/2000	BENZO(A)ANTHRACENE	11	12	UG/KG
SC-22705-C-RS	03/22/2000	BENZO(A)PYRENE	21	21	UG/KG
SC-22705-C-RS	03/22/2000	BENZO(B)FLUORANTHENE	35	14	UG/KG
SC-22705-C-RS	03/22/2000	BENZO(K)FLUORANTHENE	15	15	UG/KG
SC-22705-C-RS	03/22/2000	CHRYSENE	60	120	UG/KG
SC-22705-C-RS	03/22/2000	INDENO(1,2,3-CD)PYRENE	45	45	UG/KG
SC-22705-C-RS	03/22/2000	RADIUM-226	0.7	0.29	PCI/G
SC-22705-C-RS	03/22/2000	RADIUM-228	1	0.45	PCI/G
SC-22705-C-RS	03/22/2000	THORIUM-230	1.81	0.64	PCI/G
SC-22705-C-RS	03/22/2000	URANIUM-238	1.12	2.24	PCI/G
SC-22705-S	03/07/2000	RADIUM-226	0.83	0.26	PCI/G
SC-22705-S	03/07/2000	RADIUM-228	0.415	0.83	PCI/G
SC-22705-S	03/07/2000	THORIUM-230	2.31	0.64	PCI/G
SC-22705-S	03/07/2000	URANIUM-238	2.59	1.87	PCI/G
SC-22705-S-RS	03/22/2000	PAH	110	36	UG/KG
SC-22705-S-RS	03/22/2000	RADIUM-226	0.76	0.24	PCI/G
SC-22705-S-RS	03/22/2000	RADIUM-228	1	0.31	PCI/G
SC-22705-S-RS	03/22/2000	THORIUM-230	1.89	0.62	PCI/G
SC-22705-S-RS	03/22/2000	URANIUM-238	1.12	2.24	PCI/G
SC-22705-U	06/07/2000	PAH	0	19	UG/KG

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22705-U	06/07/2000	RADIUM-226	0.94	0 23	PCI/G
SC-22705-U	06/07/2000	RADIUM-228	0.375	0.75	PCI/G
SC-22705-U	06/07/2000	THORIUM-230	1 57	0 64	PCI/G
SC-22705-U	06/07/2000	URANIUM-238	1.05	2 1	PCI/G
SC-22706-S	03/29/1999	RADIUM-226	1 43	0 35	PCI/G
SC-22706-S	03/29/1999	RADIUM-228	0.52	1 04	PCI/G
SC-22706-S	03/29/1999	THORIUM-230	1 03	0 62	PCI/G
SC-22706-S	03/29/1999	URANIUM-238	1 4	2 8	PCI/G
SC-22706-S-01	05/24/1999	RADIUM-226	0.94	0.29	PCI/G
SC-22706-S-01	05/24/1999	RADIUM-228	0 98	0.45	PCI/G
SC-22706-S-01	05/24/1999	THORIUM-230	1.12	0 66	PCI/G
SC-22706-S-01	05/24/1999	URANIUM-238	1.375	2 75	PCI/G
SC-22706-S-01-RS	07/15/1999	RADIUM-226	1.06	0 34	PCI/G
SC-22706-S-01-RS	07/15/1999	RADIUM-228	0 49	0 98	PCI/G
SC-22706-S-01-RS	07/15/1999	THORIUM-230	1 76	0 65	PCI/G
SC-22706-S-01-RS	07/15/1999	URANIUM-238	1.395	2 79	PCI/G
SC-22707-S	03/29/1999	RADIUM-226	1.68	0.28	PCI/G
SC-22707-S	03/29/1999	RADIUM-228	0.99	0 44	PCI/G
SC-22707-S	03/29/1999	THORIUM-230	4.17	0 62	PCI/G
SC-22707-S	03/29/1999	URANIUM-238	1 435	2 87	PCI/G
SC-22707-S-01	07/15/1999	RADIUM-226	0.97	0.29	PCI/G
SC-22707-S-01	07/15/1999	RADIUM-228	0.82	0 44	PCI/G
SC-22707-S-01	07/15/1999	THORIUM-230	3.06	0 64	PCI/G
SC-22707-S-01	07/15/1999	URANIUM-238	1 415	2.83	PCI/G
SC-22708-S	03/31/1999	RADIUM-226	1 12	0 37	PCI/G
SC-22708-S	03/31/1999	RADIUM-228	0.48	0 96	PCI/G
SC-22708-S	03/31/1999	THORIUM-230	2.88	0 62	PCI/G
SC-22708-S	03/31/1999	URANIUM-238	1.46	2.92	PCI/G
SC-22709-S	06/07/2000	PAH	0	18	UG/KG
SC-22709-S	06/07/2000	RADIUM-226	1 2	0.24	PCI/G
SC-22709-S	06/07/2000	RADIUM-228	1 1	0 35	PCI/G
SC-22709-S	06/07/2000	THORIUM-230	1.31	0 64	PCI/G
SC-22709-S	06/07/2000	URANIUM-238	1 175	2 35	PCI/G
SC-22710-S	06/07/2000	PAH	0	18	UG/KG
SC-22710-S	06/07/2000	RADIUM-226	1.39	0 27	PCI/G
SC-22710-S	06/07/2000	RADIUM-228	0.83	0 57	PCI/G
SC-22710-S	06/07/2000	THORIUM-230	0.91	0 62	PCI/G
SC-22710-S	06/07/2000	URANIUM-238	1 1	2 2	PCI/G
SC-22711-S	03/29/1999	RADIUM-226	0.96	0 35	PCI/G
SC-22711-S	03/29/1999	RADIUM-228	1.39	0 48	PCI/G
SC-22711-S	03/29/1999	THORIUM-230	0 76	0 62	PCI/G
SC-22711-S	03/29/1999	URANIUM-238	1 38	2 76	PCI/G
SC-22711-S-01	05/24/1999	RADIUM-226	0 77	0.29	PCI/G
SC-22711-S-01	05/24/1999	RADIUM-228	1 01	0 39	PCI/G
SC-22711-S-01	05/24/1999	THORIUM-230	3 66	0 64	PCI/G
SC-22711-S-01	05/24/1999	URANIUM-238	1.285	2.57	PCI/G
SC-22712-S	03/29/1999	RADIUM-226	1 25	0 31	PCI/G
SC-22712-S	03/29/1999	RADIUM-228	0 98	0.42	PCI/G
SC-22712-S	03/29/1999	THORIUM-230	1 41	0.62	PCI/G
SC-22712-S	03/29/1999	URANIUM-238	3 51	2.42	PCI/G
SC-22712-S-01	05/24/1999	RADIUM-226	0 81	0.25	PCI/G
SC-22712-S-01	05/24/1999	RADIUM-228	1 02	0.48	PCI/G
SC-22712-S-01	05/24/1999	THORIUM-230	3 18	0.62	PCI/G
SC-22712-S-01	05/24/1999	URANIUM-238	1.325	2.65	PCI/G
SC-22713-S	03/31/1999	RADIUM-226	1 54	0.29	PCI/G
SC-22713-S	03/31/1999	RADIUM-228	1.21	0.45	PCI/G
SC-22713-S	03/31/1999	THORIUM-230	9 53	0.62	PCI/G
SC-22713-S	03/31/1999	URANIUM-238	1.5	3	PCI/G
SC-22713-S-HSO1	04/07/1999	THORIUM-230	3 13	0.62	PCI/G
SC-22713-S-HSO2	04/07/1999	THORIUM-230	1 48	0.62	PCI/G
SC-22713-S-HSO3	04/07/1999	THORIUM-230	4.98	0.62	PCI/G
SC-22713-S-HSO4	04/07/1999	THORIUM-230	10 7	0 62	PCI/G
SC-22713-S-RS	05/21/1999	THORIUM-230	1.52	0.64	PCI/G
SC-22714-S	06/07/2000	RADIUM-226	0 89	0 27	PCI/G
SC-22714-S	06/07/2000	RADIUM-228	0.94	0 35	PCI/G
SC-22714-S	06/07/2000	THORIUM-230	1.3	0 64	PCI/G
SC-22714-S	06/07/2000	URANIUM-238	1.205	2 41	PCI/G
SC-22715-S	06/07/2000	RADIUM-226	1 11	0 27	PCI/G
SC-22715-S	06/07/2000	RADIUM-228	0 405	0 81	PCI/G
SC-22715-S	06/07/2000	THORIUM-230	8 12	0 64	PCI/G
SC-22715-S	06/07/2000	URANIUM-238	1 155	2 31	PCI/G
SC-22715-S-RS	06/28/2000	THORIUM-230	1 36	0 62	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22716-S	03/29/1999	RADIUM-226	1.47	0.38	PCI/G
SC-22716-S	03/29/1999	RADIUM-228	1.08	0.51	PCI/G
SC-22716-S	03/29/1999	THORIUM-230	4.27	0.62	PCI/G
SC-22716-S	03/29/1999	URANIUM-238	1.315	2.63	PCI/G
SC-22716-S-01	05/24/1999	RADIUM-226	0.73	0.31	PCI/G
SC-22716-S-01	05/24/1999	RADIUM-228	0.425	0.85	PCI/G
SC-22716-S-01	05/24/1999	THORIUM-230	1.19	0.64	PCI/G
SC-22716-S-01	05/24/1999	URANIUM-238	1.395	2.79	PCI/G
SC-22717-S	03/29/1999	RADIUM-226	1.38	0.3	PCI/G
SC-22717-S	03/29/1999	RADIUM-228	1.07	0.43	PCI/G
SC-22717-S	03/29/1999	THORIUM-230	1.04	0.62	PCI/G
SC-22717-S	03/29/1999	URANIUM-238	1.7	2.27	PCI/G
SC-22718-S	06/07/2000	RADIUM-226	0.88	0.29	PCI/G
SC-22718-S	06/07/2000	RADIUM-228	1.11	0.5	PCI/G
SC-22718-S	06/07/2000	THORIUM-230	1.93	0.62	PCI/G
SC-22718-S	06/07/2000	URANIUM-238	0.99	1.98	PCI/G
SC-22721-S	03/29/1999	RADIUM-226	1.34	0.31	PCI/G
SC-22721-S	03/29/1999	RADIUM-228	1.1	0.51	PCI/G
SC-22721-S	03/29/1999	THORIUM-230	1.01	0.62	PCI/G
SC-22721-S	03/29/1999	URANIUM-238	1.25	2.5	PCI/G
SC-22722-S	03/29/1999	RADIUM-226	1.05	0.25	PCI/G
SC-22722-S	03/29/1999	RADIUM-228	0.98	0.49	PCI/G
SC-22722-S	03/29/1999	THORIUM-230	1.05	0.62	PCI/G
SC-22722-S	03/29/1999	URANIUM-238	1.305	2.61	PCI/G
SC-22723-S	06/07/2000	RADIUM-226	0.98	0.27	PCI/G
SC-22723-S	06/07/2000	RADIUM-228	0.89	0.34	PCI/G
SC-22723-S	06/07/2000	THORIUM-230	1	0.64	PCI/G
SC-22723-S	06/07/2000	URANIUM-238	1.17	2.34	PCI/G
SC-22801-S-01	07/15/1999	RADIUM-226	0.94	0.32	PCI/G
SC-22801-S-01	07/15/1999	RADIUM-228	0.47	0.94	PCI/G
SC-22801-S-01	07/15/1999	THORIUM-230	1.14	0.62	PCI/G
SC-22801-S-01	07/15/1999	URANIUM-238	1.34	2.68	PCI/G
SC-22802-S	03/29/1999	PAH	0	43	UG/KG
SC-22802-S	03/29/1999	RADIUM-226	1.1	0.32	PCI/G
SC-22802-S	03/29/1999	RADIUM-228	0.5	1	PCI/G
SC-22802-S	03/29/1999	THORIUM-230	0.92	0.62	PCI/G
SC-22802-S	03/29/1999	URANIUM-238	1.4	2.8	PCI/G
SC-22802-S-01	07/15/1999	RADIUM-226	0.74	0.29	PCI/G
SC-22802-S-01	07/15/1999	RADIUM-228	1.06	0.44	PCI/G
SC-22802-S-01	07/15/1999	THORIUM-230	1.09	0.62	PCI/G
SC-22802-S-01	07/15/1999	URANIUM-238	1.3	2.6	PCI/G
SC-22803-S	03/31/1999	RADIUM-226	2.7	0.4	PCI/G
SC-22803-S	03/31/1999	RADIUM-228	1.36	0.57	PCI/G
SC-22803-S	03/31/1999	THORIUM-230	29.2	0.62	PCI/G
SC-22803-S	03/31/1999	URANIUM-238	1.715	3.43	PCI/G
SC-22803-S-RS	04/22/1999	THORIUM-230	3.25	0.62	PCI/G
SC-22804-S	03/31/1999	RADIUM-226	1.17	0.3	PCI/G
SC-22804-S	03/31/1999	RADIUM-228	1.2	0.49	PCI/G
SC-22804-S	03/31/1999	THORIUM-230	1.03	0.62	PCI/G
SC-22804-S	03/31/1999	URANIUM-238	1.34	2.68	PCI/G
SC-22805-S-01	07/15/1999	RADIUM-226	1.13	0.33	PCI/G
SC-22805-S-01	07/15/1999	RADIUM-228	0.425	0.85	PCI/G
SC-22805-S-01	07/15/1999	THORIUM-230	2.45	0.65	PCI/G
SC-22805-S-01	07/15/1999	URANIUM-238	1.315	2.63	PCI/G
SC-22806-S	03/29/1999	RADIUM-226	1.18	0.32	PCI/G
SC-22806-S	03/29/1999	RADIUM-228	1.3	0.45	PCI/G
SC-22806-S	03/29/1999	THORIUM-230	1.13	0.62	PCI/G
SC-22806-S	03/29/1999	URANIUM-238	2.02	2.49	PCI/G
SC-22806-S-01	07/15/1999	RADIUM-226	0.97	0.31	PCI/G
SC-22806-S-01	07/15/1999	RADIUM-228	1.18	0.39	PCI/G
SC-22806-S-01	07/15/1999	THORIUM-230	1.16	0.64	PCI/G
SC-22806-S-01	07/15/1999	URANIUM-238	1.3	2.6	PCI/G
SC-22807-S	03/31/1999	RADIUM-226	1.18	0.3	PCI/G
SC-22807-S	03/31/1999	RADIUM-228	1.44	0.47	PCI/G
SC-22807-S	03/31/1999	THORIUM-230	1.32	0.62	PCI/G
SC-22807-S	03/31/1999	URANIUM-238	1.385	2.77	PCI/G
SC-22808-S	03/31/1999	RADIUM-226	1.27	0.29	PCI/G
SC-22808-S	03/31/1999	RADIUM-228	1.03	0.5	PCI/G
SC-22808-S	03/31/1999	THORIUM-230	1.13	0.62	PCI/G
SC-22808-S	03/31/1999	URANIUM-238	1.38	2.76	PCI/G
SC-22809-S	05/07/1999	RADIUM-226	1	0.33	PCI/G
SC-22809-S	05/07/1999	RADIUM-228	0.425	0.85	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22809-S	05/07/1999	THORIUM-230	2.57	0 73	PCI/G
SC-22809-S	05/07/1999	URANIUM-238	1.325	2 65	PCI/G
SC-22809-S-01	07/15/1999	RADIUM-226	0 8	0 29	PCI/G
SC-22809-S-01	07/15/1999	RADIUM-228	0.465	0.93	PCI/G
SC-22809-S-01	07/15/1999	THORIUM-230	1.07	0.65	PCI/G
SC-22809-S-01	07/15/1999	URANIUM-238	1.165	2.33	PCI/G
SC-22810-S	03/29/1999	RADIUM-226	1.23	0.24	PCI/G
SC-22810-S	03/29/1999	RADIUM-228	0.41	0.82	PCI/G
SC-22810-S	03/29/1999	THORIUM-230	1.14	0.62	PCI/G
SC-22810-S	03/29/1999	URANIUM-238	1 3	2.6	PCI/G
SC-22810-S-01	07/15/1999	RADIUM-226	0.94	0 3	PCI/G
SC-22810-S-01	07/15/1999	RADIUM-228	1 19	0.37	PCI/G
SC-22810-S-01	07/15/1999	THORIUM-230	1	0.64	PCI/G
SC-22810-S-01	07/15/1999	URANIUM-238	1.29	2.58	PCI/G
SC-22811-S	03/31/1999	RADIUM-226	5.71	0.35	PCI/G
SC-22811-S	03/31/1999	RADIUM-228	0.505	1.01	PCI/G
SC-22811-S	03/31/1999	THORIUM-230	1.32	0.62	PCI/G
SC-22811-S	03/31/1999	URANIUM-238	1.57	3.14	PCI/G
SC-22811-S-HS01	04/08/1999	RADIUM-226	1 6	0.38	PCI/G
SC-22811-S-HS01	04/08/1999	RADIUM-228	0.51	1.02	PCI/G
SC-22811-S-HS02	04/08/1999	RADIUM-226	1 52	0.26	PCI/G
SC-22811-S-HS02	04/08/1999	RADIUM-228	1.24	0 37	PCI/G
SC-22811-S-HS03	04/08/1999	RADIUM-226	1 47	0.28	PCI/G
SC-22811-S-HS03	04/08/1999	RADIUM-228	0.445	0 89	PCI/G
SC-22811-S-HS04	04/08/1999	RADIUM-226	1.68	0 31	PCI/G
SC-22811-S-HS04	04/08/1999	RADIUM-228	0 82	0.51	PCI/G
SC-22812-C	03/31/1999	RADIUM-226	1.1	0 32	PCI/G
SC-22812-C	03/31/1999	RADIUM-228	1 4	0 36	PCI/G
SC-22812-C	03/31/1999	THORIUM-230	0 83	0.62	PCI/G
SC-22812-C	03/31/1999	URANIUM-238	1.375	2 75	PCI/G
SC-22812-S	03/31/1999	RADIUM-226	1.03	0 3	PCI/G
SC-22812-S	03/31/1999	RADIUM-228	0.505	1.01	PCI/G
SC-22812-S	03/31/1999	THORIUM-230	1 28	0 62	PCI/G
SC-22812-S	03/31/1999	URANIUM-238	1 19	2 38	PCI/G
SC-22813-S	05/07/1999	RADIUM-226	1 06	0.28	PCI/G
SC-22813-S	05/07/1999	RADIUM-228	0 71	0 49	PCI/G
SC-22813-S	05/07/1999	THORIUM-230	2 8	0 7	PCI/G
SC-22813-S	05/07/1999	URANIUM-238	1 31	2 62	PCI/G
SC-22813-S-01	07/15/1999	RADIUM-226	0.335	0 67	PCI/G
SC-22813-S-01	07/15/1999	RADIUM-228	0.44	0 88	PCI/G
SC-22813-S-01	07/15/1999	THORIUM-230	1 1	0 62	PCI/G
SC-22813-S-01	07/15/1999	URANIUM-238	1 215	2 43	PCI/G
SC-22814-S	03/29/1999	RADIUM-226	1.28	0 3	PCI/G
SC-22814-S	03/29/1999	RADIUM-228	1.24	0 47	PCI/G
SC-22814-S	03/29/1999	THORIUM-230	0.92	0 62	PCI/G
SC-22814-S	03/29/1999	URANIUM-238	1.435	2.87	PCI/G
SC-22814-S-01	07/15/1999	RADIUM-226	0.94	0 27	PCI/G
SC-22814-S-01	07/15/1999	RADIUM-228	1 12	0 41	PCI/G
SC-22814-S-01	07/15/1999	THORIUM-230	1.07	0 62	PCI/G
SC-22814-S-01	07/15/1999	URANIUM-238	1 3	2.6	PCI/G
SC-22815-S	03/31/1999	RADIUM-226	1 3	0 3	PCI/G
SC-22815-S	03/31/1999	RADIUM-228	1.27	0.34	PCI/G
SC-22815-S	03/31/1999	THORIUM-230	1.24	0.62	PCI/G
SC-22815-S	03/31/1999	URANIUM-238	1.345	2.69	PCI/G
SC-22816-S	03/31/1999	RADIUM-226	1.35	0.29	PCI/G
SC-22816-S	03/31/1999	RADIUM-228	0.455	0.91	PCI/G
SC-22816-S	03/31/1999	THORIUM-230	1.18	0.62	PCI/G
SC-22816-S	03/31/1999	URANIUM-238	1.275	2.55	PCI/G
SC-22817-S	04/14/1999	RADIUM-226	1.47	0.595	PCI/G
SC-22817-S	04/14/1999	RADIUM-228	1.09	0 921	PCI/G
SC-22817-S	04/14/1999	THORIUM-230	0.448	0 153	PCI/G
SC-22817-S	04/14/1999	THORIUM-232	0 811	0 164	PCI/G
SC-22817-S	04/14/1999	URANIUM-238	3.36	5.74	PCI/G
SC-22817-S-01	07/15/1999	RADIUM-226	1.28	0 35	PCI/G
SC-22817-S-01	07/15/1999	RADIUM-228	0.47	0.94	PCI/G
SC-22817-S-01	07/15/1999	THORIUM-230	1 28	0 65	PCI/G
SC-22817-S-01	07/15/1999	URANIUM-238	1.355	2 71	PCI/G
SC-22818-S	03/29/1999	RADIUM-226	1 21	0 33	PCI/G
SC-22818-S	03/29/1999	RADIUM-228	1 21	0 53	PCI/G
SC-22818-S	03/29/1999	THORIUM-230	1 44	0 62	PCI/G
SC-22818-S	03/29/1999	URANIUM-238	1 415	2 83	PCI/G
SC-22818-S-01	07/15/1999	RADIUM-226	0 79	0 3	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22818-S-01	07/15/1999	RADIUM-228	1.06	0.43	PCI/G
SC-22818-S-01	07/15/1999	THORIUM-230	1.27	0.64	PCI/G
SC-22818-S-01	07/15/1999	URANIUM-238	1.31	2.62	PCI/G
SC-22819-S	03/31/1999	RADIUM-226	1.34	0.33	PCI/G
SC-22819-S	03/31/1999	RADIUM-228	0.83	0.46	PCI/G
SC-22819-S	03/31/1999	THORIUM-230	1.24	0.62	PCI/G
SC-22819-S	03/31/1999	URANIUM-238	1.43	2.86	PCI/G
SC-22820-C	03/31/1999	RADIUM-226	1.16	0.31	PCI/G
SC-22820-C	03/31/1999	RADIUM-228	0.46	0.92	PCI/G
SC-22820-C	03/31/1999	THORIUM-230	1.08	0.62	PCI/G
SC-22820-C	03/31/1999	URANIUM-238	1.225	2.45	PCI/G
SC-22820-S	03/31/1999	RADIUM-226	1.32	0.35	PCI/G
SC-22820-S	03/31/1999	RADIUM-228	1.12	0.47	PCI/G
SC-22820-S	03/31/1999	THORIUM-230	1.1	0.62	PCI/G
SC-22820-S	03/31/1999	URANIUM-238	1.38	2.76	PCI/G
SC-22821-S	04/14/1999	RADIUM-226	1.45	0.65	PCI/G
SC-22821-S	04/14/1999	RADIUM-228	1.47	1.2	PCI/G
SC-22821-S	04/14/1999	THORIUM-230	1.5	0.071	PCI/G
SC-22821-S	04/14/1999	THORIUM-232	0.5	0.087	PCI/G
SC-22821-S	04/14/1999	URANIUM-238	2.18	4.36	PCI/G
SC-22821-S-01	07/15/1999	RADIUM-226	1.06	0.4	PCI/G
SC-22821-S-01	07/15/1999	RADIUM-228	0.94	0.54	PCI/G
SC-22821-S-01	07/15/1999	THORIUM-230	1.28	0.62	PCI/G
SC-22821-S-01	07/15/1999	URANIUM-238	1.3	2.6	PCI/G
SC-22822-S	03/29/1999	RADIUM-226	1.19	0.3	PCI/G
SC-22822-S	03/29/1999	RADIUM-228	1.12	0.43	PCI/G
SC-22822-S	03/29/1999	THORIUM-230	0.95	0.62	PCI/G
SC-22822-S	03/29/1999	URANIUM-238	1.35	2.7	PCI/G
SC-22822-S-01	07/15/1999	RADIUM-226	1.12	0.3	PCI/G
SC-22822-S-01	07/15/1999	RADIUM-228	1.05	0.48	PCI/G
SC-22822-S-01	07/15/1999	THORIUM-230	2.02	0.62	PCI/G
SC-22822-S-01	07/15/1999	URANIUM-238	1.355	2.71	PCI/G
SC-22823-S	03/29/1999	RADIUM-226	1.3	0.33	PCI/G
SC-22823-S	03/29/1999	RADIUM-228	0.505	1.01	PCI/G
SC-22823-S	03/29/1999	THORIUM-230	1.45	0.62	PCI/G
SC-22823-S	03/29/1999	URANIUM-238	1.33	2.66	PCI/G
SC-22824-S	03/31/1999	RADIUM-226	1.26	0.31	PCI/G
SC-22824-S	03/31/1999	RADIUM-228	0.47	0.94	PCI/G
SC-22824-S	03/31/1999	THORIUM-230	1.21	0.62	PCI/G
SC-22824-S	03/31/1999	URANIUM-238	1.285	2.57	PCI/G
SC-22901-S	05/07/1999	RADIUM-226	0.89	0.31	PCI/G
SC-22901-S	05/07/1999	RADIUM-228	0.415	0.83	PCI/G
SC-22901-S	05/07/1999	THORIUM-230	3.74	0.7	PCI/G
SC-22901-S	05/07/1999	URANIUM-238	1.315	2.63	PCI/G
SC-22901-S-01	07/16/1999	RADIUM-226	1.02	0.31	PCI/G
SC-22901-S-01	07/16/1999	RADIUM-228	0.94	0.48	PCI/G
SC-22901-S-01	07/16/1999	THORIUM-230	1.48	0.62	PCI/G
SC-22901-S-01	07/16/1999	URANIUM-238	1.33	2.66	PCI/G
SC-22902-S	03/29/1999	RADIUM-226	0.91	0.3	PCI/G
SC-22902-S	03/29/1999	RADIUM-228	1.07	0.43	PCI/G
SC-22902-S	03/29/1999	THORIUM-230	1.7	0.62	PCI/G
SC-22902-S	03/29/1999	URANIUM-238	1.42	2.84	PCI/G
SC-22902-S-01	07/16/1999	RADIUM-226	0.9	0.29	PCI/G
SC-22902-S-01	07/16/1999	RADIUM-228	1.03	0.38	PCI/G
SC-22902-S-01	07/16/1999	THORIUM-230	1.74	0.62	PCI/G
SC-22902-S-01	07/16/1999	URANIUM-238	1.265	2.53	PCI/G
SC-22903-S	04/01/1999	RADIUM-226	1.25	0.3	PCI/G
SC-22903-S	04/01/1999	RADIUM-228	1.12	0.42	PCI/G
SC-22903-S	04/01/1999	THORIUM-230	1.94	0.62	PCI/G
SC-22903-S	04/01/1999	URANIUM-238	1.38	2.76	PCI/G
SC-22904-S	04/01/1999	RADIUM-226	1.18	0.3	PCI/G
SC-22904-S	04/01/1999	RADIUM-228	1.16	0.36	PCI/G
SC-22904-S	04/01/1999	THORIUM-230	0.81	0.62	PCI/G
SC-22904-S	04/01/1999	URANIUM-238	1.44	2.88	PCI/G
SC-22905-S	05/07/1999	RADIUM-226	0.83	0.26	PCI/G
SC-22905-S	05/07/1999	RADIUM-228	1.01	0.39	PCI/G
SC-22905-S	05/07/1999	THORIUM-230	2.6	0.7	PCI/G
SC-22905-S	05/07/1999	URANIUM-238	1.21	2.42	PCI/G
SC-22905-S-01	07/15/1999	RADIUM-226	0.98	0.34	PCI/G
SC-22905-S-01	07/15/1999	RADIUM-228	0.48	0.96	PCI/G
SC-22905-S-01	07/15/1999	THORIUM-230	2.29	0.62	PCI/G
SC-22905-S-01	07/15/1999	URANIUM-238	1.34	2.68	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22906-S	03/29/1999	RADIUM-226	1.11	0 3	PCI/G
SC-22906-S	03/29/1999	RADIUM-228	1 02	0.48	PCI/G
SC-22906-S	03/29/1999	THORIUM-230	1 15	0.62	PCI/G
SC-22906-S	03/29/1999	URANIUM-238	1.265	2.53	PCI/G
SC-22906-S-01	07/15/1999	RADIUM-226	1.1	0.3	PCI/G
SC-22906-S-01	07/15/1999	RADIUM-228	1.18	0.41	PCI/G
SC-22906-S-01	07/15/1999	THORIUM-230	1.37	0.64	PCI/G
SC-22906-S-01	07/15/1999	URANIUM-238	1.385	2.77	PCI/G
SC-22907-S	04/01/1999	RADIUM-226	1.25	0 31	PCI/G
SC-22907-S	04/01/1999	RADIUM-228	0.93	0 44	PCI/G
SC-22907-S	04/01/1999	THORIUM-230	1.26	0 62	PCI/G
SC-22907-S	04/01/1999	URANIUM-238	1.375	2.75	PCI/G
SC-22907-S-01	07/13/1999	RADIUM-226	0.305	0.61	PCI/G
SC-22907-S-01	07/13/1999	RADIUM-228	0.48	0 96	PCI/G
SC-22907-S-01	07/13/1999	THORIUM-230	1.69	0.62	PCI/G
SC-22907-S-01	07/13/1999	URANIUM-238	1.385	2 77	PCI/G
SC-22908-S	04/01/1999	RADIUM-226	1.19	0.38	PCI/G
SC-22908-S	04/01/1999	RADIUM-228	0 51	1.02	PCI/G
SC-22908-S	04/01/1999	THORIUM-230	1 07	0.62	PCI/G
SC-22908-S	04/01/1999	URANIUM-238	1.38	2.76	PCI/G
SC-22909-S	05/07/1999	RADIUM-226	0.83	0.28	PCI/G
SC-22909-S	05/07/1999	RADIUM-228	0.47	0.94	PCI/G
SC-22909-S	05/07/1999	THORIUM-230	1.71	0.7	PCI/G
SC-22909-S	05/07/1999	URANIUM-238	3.97	1 91	PCI/G
SC-22909-S-01	07/15/1999	RADIUM-226	0 7	0 36	PCI/G
SC-22909-S-01	07/15/1999	RADIUM-228	0.445	0.89	PCI/G
SC-22909-S-01	07/15/1999	THORIUM-230	1 46	0 62	PCI/G
SC-22909-S-01	07/15/1999	URANIUM-238	1 355	2.71	PCI/G
SC-22910-S	03/29/1999	RADIUM-226	1 29	0.28	PCI/G
SC-22910-S	03/29/1999	RADIUM-228	1 33	0.36	PCI/G
SC-22910-S	03/29/1999	THORIUM-230	1 63	0 62	PCI/G
SC-22910-S	03/29/1999	URANIUM-238	1.365	2 73	PCI/G
SC-22910-S-01	07/15/1999	RADIUM-226	1	0 31	PCI/G
SC-22910-S-01	07/15/1999	RADIUM-228	1 17	0 46	PCI/G
SC-22910-S-01	07/15/1999	THORIUM-230	0.93	0 62	PCI/G
SC-22910-S-01	07/15/1999	URANIUM-238	1.37	2 74	PCI/G
SC-22911-S	03/31/1999	RADIUM-226	1 37	0 33	PCI/G
SC-22911-S	03/31/1999	RADIUM-228	0.93	0 45	PCI/G
SC-22911-S	03/31/1999	THORIUM-230	5 48	0 62	PCI/G
SC-22911-S	03/31/1999	URANIUM-238	2.88	2 5	PCI/G
SC-22912-S	04/01/1999	RADIUM-226	1 47	0 32	PCI/G
SC-22912-S	04/01/1999	RADIUM-228	1.22	0 49	PCI/G
SC-22912-S	04/01/1999	THORIUM-230	1 17	0 62	PCI/G
SC-22912-S	04/01/1999	URANIUM-238	1 43	2 86	PCI/G
SC-22913-S	05/07/1999	RADIUM-226	3 17	0 43	PCI/G
SC-22913-S	05/07/1999	RADIUM-228	1 62	0.59	PCI/G
SC-22913-S	05/07/1999	THORIUM-230	36.5	0 7	PCI/G
SC-22913-S	05/07/1999	URANIUM-238	1 69	3 38	PCI/G
SC-22913-S-01	07/15/1999	RADIUM-226	0.99	0.39	PCI/G
SC-22913-S-01	07/15/1999	RADIUM-228	0.47	0 94	PCI/G
SC-22913-S-01	07/15/1999	THORIUM-230	1.07	0 65	PCI/G
SC-22913-S-01	07/15/1999	URANIUM-238	1.285	2 57	PCI/G
SC-22913-S-RS	05/18/1999	THORIUM-230	14 1	0 7	PCI/G
SC-22913-S-RS2	05/21/1999	THORIUM-230	0 9	0.64	PCI/G
SC-22914-S	03/29/1999	RADIUM-226	1 09	0 34	PCI/G
SC-22914-S	03/29/1999	RADIUM-228	0 48	0.96	PCI/G
SC-22914-S	03/29/1999	THORIUM-230	1.22	0.62	PCI/G
SC-22914-S	03/29/1999	URANIUM-238	1.235	2.47	PCI/G
SC-22914-S-01	07/15/1999	RADIUM-226	0 74	0.31	PCI/G
SC-22914-S-01	07/15/1999	RADIUM-228	1.09	0.47	PCI/G
SC-22914-S-01	07/15/1999	THORIUM-230	1.22	0.64	PCI/G
SC-22914-S-01	07/15/1999	URANIUM-238	1 375	2 75	PCI/G
SC-22915-S	03/31/1999	RADIUM-226	1 33	0.34	PCI/G
SC-22915-S	03/31/1999	RADIUM-228	0 495	0.99	PCI/G
SC-22915-S	03/31/1999	THORIUM-230	1.13	0.62	PCI/G
SC-22915-S	03/31/1999	URANIUM-238	1 38	2.76	PCI/G
SC-22916-S	03/31/1999	RADIUM-226	1 23	0 31	PCI/G
SC-22916-S	03/31/1999	RADIUM-228	1 27	0 49	PCI/G
SC-22916-S	03/31/1999	THORIUM-230	1 24	0 62	PCI/G
SC-22916-S	03/31/1999	URANIUM-238	1 37	2 74	PCI/G
SC-22917-S	05/07/1999	RADIUM-226	1 09	0 35	PCI/G
SC-22917-S	05/07/1999	RADIUM-228	0.405	0 81	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-22917-S	05/07/1999	THORIUM-230	5.74	0.73	PCI/G
SC-22917-S	05/07/1999	URANIUM-238	1.34	2.68	PCI/G
SC-22917-S-01	07/15/1999	RADIUM-226	0.96	0.31	PCI/G
SC-22917-S-01	07/15/1999	RADIUM-228	1.24	0.5	PCI/G
SC-22917-S-01	07/15/1999	THORIUM-230	2.61	0.62	PCI/G
SC-22917-S-01	07/15/1999	URANIUM-238	1.415	2.83	PCI/G
SC-22918-S	03/29/1999	RADIUM-226	1.12	0.28	PCI/G
SC-22918-S	03/29/1999	RADIUM-228	1.37	0.46	PCI/G
SC-22918-S	03/29/1999	THORIUM-230	1.83	0.62	PCI/G
SC-22918-S	03/29/1999	URANIUM-238	1.355	2.71	PCI/G
SC-22918-S-01	07/15/1999	RADIUM-226	0.87	0.3	PCI/G
SC-22918-S-01	07/15/1999	RADIUM-228	1.27	0.39	PCI/G
SC-22918-S-01	07/15/1999	THORIUM-230	1.08	0.62	PCI/G
SC-22918-S-01	07/15/1999	URANIUM-238	1.325	2.65	PCI/G
SC-22919-S	03/31/1999	RADIUM-226	1.02	0.35	PCI/G
SC-22919-S	03/31/1999	RADIUM-228	1.27	0.62	PCI/G
SC-22919-S	03/31/1999	THORIUM-230	1.09	0.62	PCI/G
SC-22919-S	03/31/1999	URANIUM-238	1.415	2.83	PCI/G
SC-22920-S	03/31/1999	RADIUM-226	1.33	0.31	PCI/G
SC-22920-S	03/31/1999	RADIUM-228	1	0.4	PCI/G
SC-22920-S	03/31/1999	THORIUM-230	0.94	0.62	PCI/G
SC-22920-S	03/31/1999	URANIUM-238	1.4	2.8	PCI/G
SC-22921-S	05/07/1999	RADIUM-226	0.91	0.29	PCI/G
SC-22921-S	05/07/1999	RADIUM-228	1.01	0.43	PCI/G
SC-22921-S	05/07/1999	THORIUM-230	2.28	0.62	PCI/G
SC-22921-S	05/07/1999	URANIUM-238	1.285	2.57	PCI/G
SC-22921-S-01	07/15/1999	RADIUM-226	0.88	0.28	PCI/G
SC-22921-S-01	07/15/1999	RADIUM-228	0.485	0.97	PCI/G
SC-22921-S-01	07/15/1999	THORIUM-230	1.35	0.73	PCI/G
SC-22921-S-01	07/15/1999	URANIUM-238	1.4	2.8	PCI/G
SC-22922-S	03/29/1999	RADIUM-226	1.22	0.33	PCI/G
SC-22922-S	03/29/1999	RADIUM-228	0.52	1.04	PCI/G
SC-22922-S	03/29/1999	THORIUM-230	2.17	0.62	PCI/G
SC-22922-S	03/29/1999	URANIUM-238	1.4	2.8	PCI/G
SC-22922-S-01	07/15/1999	RADIUM-226	0.83	0.31	PCI/G
SC-22922-S-01	07/15/1999	RADIUM-228	1.05	0.41	PCI/G
SC-22922-S-01	07/15/1999	THORIUM-230	1.79	0.64	PCI/G
SC-22922-S-01	07/15/1999	URANIUM-238	1.325	2.65	PCI/G
SC-22923-S	03/31/1999	RADIUM-226	1.29	0.28	PCI/G
SC-22923-S	03/31/1999	RADIUM-228	0.52	1.04	PCI/G
SC-22923-S	03/31/1999	THORIUM-230	1.05	0.62	PCI/G
SC-22923-S	03/31/1999	URANIUM-238	1.325	2.65	PCI/G
SC-22924-S	03/31/1999	RADIUM-226	1.35	0.33	PCI/G
SC-22924-S	03/31/1999	RADIUM-228	0.95	0.5	PCI/G
SC-22924-S	03/31/1999	THORIUM-230	1.22	0.62	PCI/G
SC-22924-S	03/31/1999	URANIUM-238	1.39	2.78	PCI/G
SC-23001-S	06/23/1999	RADIUM-226	0.76	0.28	PCI/G
SC-23001-S	06/23/1999	RADIUM-228	0.93	0.5	PCI/G
SC-23001-S	06/23/1999	THORIUM-230	1.59	0.62	PCI/G
SC-23001-S	06/23/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23002-S	03/29/1999	RADIUM-226	1.2	0.32	PCI/G
SC-23002-S	03/29/1999	RADIUM-228	1.2	0.41	PCI/G
SC-23002-S	03/29/1999	THORIUM-230	1.42	0.62	PCI/G
SC-23002-S	03/29/1999	URANIUM-238	1.38	2.76	PCI/G
SC-23002-S-01	06/23/1999	RADIUM-226	0.67	0.33	PCI/G
SC-23002-S-01	06/23/1999	RADIUM-228	0.94	0.42	PCI/G
SC-23002-S-01	06/23/1999	THORIUM-230	2.54	0.64	PCI/G
SC-23002-S-01	06/23/1999	URANIUM-238	1.34	2.68	PCI/G
SC-23003-S	04/01/1999	RADIUM-226	1.08	0.29	PCI/G
SC-23003-S	04/01/1999	RADIUM-228	0.52	1.04	PCI/G
SC-23003-S	04/01/1999	THORIUM-230	1.69	0.62	PCI/G
SC-23003-S	04/01/1999	URANIUM-238	1.41	2.82	PCI/G
SC-23004-S	04/01/1999	RADIUM-226	1.1	0.29	PCI/G
SC-23004-S	04/01/1999	RADIUM-228	1.33	0.35	PCI/G
SC-23004-S	04/01/1999	THORIUM-230	1.12	0.62	PCI/G
SC-23004-S	04/01/1999	URANIUM-238	1.445	2.89	PCI/G
SC-23005-S	06/01/1999	RADIUM-226	0.77	0.32	PCI/G
SC-23005-S	06/01/1999	RADIUM-228	1.33	0.42	PCI/G
SC-23005-S	06/01/1999	THORIUM-230	1.04	0.65	PCI/G
SC-23005-S	06/01/1999	URANIUM-238	1.18	2.36	PCI/G
SC-23005-S-01	06/23/1999	RADIUM-226	1.03	0.34	PCI/G
SC-23005-S-01	06/23/1999	RADIUM-228	0.74	0.6	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23005-S-01	06/23/1999	THORIUM-230	1 66	0.64	PCI/G
SC-23005-S-01	06/23/1999	URANIUM-238	1.425	2 85	PCI/G
SC-23006-S	03/29/1999	RADIUM-226	0 99	0 32	PCI/G
SC-23006-S	03/29/1999	RADIUM-228	0.515	1 03	PCI/G
SC-23006-S	03/29/1999	THORIUM-230	2.79	0 62	PCI/G
SC-23006-S	03/29/1999	URANIUM-238	2.98	2 12	PCI/G
SC-23006-S-01	06/23/1999	RADIUM-226	0.82	0 26	PCI/G
SC-23006-S-01	06/23/1999	RADIUM-228	1.03	0 41	PCI/G
SC-23006-S-01	06/23/1999	THORIUM-230	1 43	0 65	PCI/G
SC-23006-S-01	06/23/1999	URANIUM-238	1 32	2.64	PCI/G
SC-23007-S	04/01/1999	RADIUM-226	1 42	0.36	PCI/G
SC-23007-S	04/01/1999	RADIUM-228	0.58	1.16	PCI/G
SC-23007-S	04/01/1999	THORIUM-230	9 08	0 62	PCI/G
SC-23007-S	04/01/1999	URANIUM-238	1 82	3 64	PCI/G
SC-23007-S-HS01	04/09/1999	THORIUM-230	4 93	0.7	PCI/G
SC-23007-S-HS02	04/09/1999	THORIUM-230	2 56	0.7	PCI/G
SC-23007-S-HS03	04/09/1999	THORIUM-230	5 22	0 73	PCI/G
SC-23007-S-HS04	04/09/1999	THORIUM-230	4 98	0 76	PCI/G
SC-23008-S	04/01/1999	RADIUM-226	1 09	0 33	PCI/G
SC-23008-S	04/01/1999	RADIUM-228	1 18	0 47	PCI/G
SC-23008-S	04/01/1999	THORIUM-230	0.95	0 62	PCI/G
SC-23008-S	04/01/1999	URANIUM-238	1.425	2.85	PCI/G
SC-23009-S	06/01/1999	RADIUM-226	0 69	0 33	PCI/G
SC-23009-S	06/01/1999	RADIUM-228	0 79	0 5	PCI/G
SC-23009-S	06/01/1999	THORIUM-230	1 13	0 62	PCI/G
SC-23009-S	06/01/1999	URANIUM-238	1.245	2 49	PCI/G
SC-23009-S-01	06/23/1999	RADIUM-226	0 77	0 36	PCI/G
SC-23009-S-01	06/23/1999	RADIUM-228	1 02	0 56	PCI/G
SC-23009-S-01	06/23/1999	THORIUM-230	2 41	0 62	PCI/G
SC-23009-S-01	06/23/1999	URANIUM-238	1 425	2 85	PCI/G
SC-23010-S	03/29/1999	RADIUM-226	0 99	0 29	PCI/G
SC-23010-S	03/29/1999	RADIUM-228	1 2	0 44	PCI/G
SC-23010-S	03/29/1999	THORIUM-230	0 96	0 62	PCI/G
SC-23010-S	03/29/1999	URANIUM-238	1.325	2 65	PCI/G
SC-23010-S-01	06/23/1999	RADIUM-226	0 77	0 27	PCI/G
SC-23010-S-01	06/23/1999	RADIUM-228	0.355	0.71	PCI/G
SC-23010-S-01	06/23/1999	THORIUM-230	1 85	0 65	PCI/G
SC-23010-S-01	06/23/1995	URANIUM-238	1 31	2 62	PCI/G
SC-23011-S	04/01/1999	RADIUM-226	1 19	0 28	PCI/G
SC-23011-S	04/01/1999	RADIUM-228	1 07	0 53	PCI/G
SC-23011-S	04/01/1999	THORIUM-230	1 46	0 62	PCI/G
SC-23011-S	04/01/1999	URANIUM-238	1 325	2 65	PCI/G
SC-23012-S	04/01/1999	RADIUM-226	1 08	0 33	PCI/G
SC-23012-S	04/01/1999	RADIUM-228	1 32	0 41	PCI/G
SC-23012-S	04/01/1999	THORIUM-230	0 82	0 62	PCI/G
SC-23012-S	04/01/1999	URANIUM-238	1 265	2 53	PCI/G
SC-23013-S	06/01/1999	RADIUM-226	0.68	0 29	PCI/G
SC-23013-S	06/01/1999	RADIUM-228	0 535	1 07	PCI/G
SC-23013-S	06/01/1999	THORIUM-230	0.84	0 65	PCI/G
SC-23013-S	06/01/1999	URANIUM-238	1.3	2.6	PCI/G
SC-23013-S-01	07/19/1999	RADIUM-226	0.96	0 27	PCI/G
SC-23013-S-01	07/19/1999	RADIUM-228	1 01	0.42	PCI/G
SC-23013-S-01	07/19/1999	THORIUM-230	1.62	0 65	PCI/G
SC-23013-S-01	07/19/1999	URANIUM-238	1 385	2 77	PCI/G
SC-23014-S	03/29/1999	RADIUM-226	1.01	0 42	PCI/G
SC-23014-S	03/29/1999	RADIUM-228	1.26	0.54	PCI/G
SC-23014-S	03/29/1999	THORIUM-230	2 45	0 62	PCI/G
SC-23014-S	03/29/1999	URANIUM-238	1.41	2.82	PCI/G
SC-23014-S-01	07/19/1999	RADIUM-226	0.78	0.32	PCI/G
SC-23014-S-01	07/19/1999	RADIUM-228	0 445	0 89	PCI/G
SC-23014-S-01	07/19/1999	THORIUM-230	1.08	0 62	PCI/G
SC-23014-S-01	07/19/1999	URANIUM-238	1.31	2 62	PCI/G
SC-23015-S	04/01/1999	RADIUM-226	1.05	0 33	PCI/G
SC-23015-S	04/01/1999	RADIUM-228	0 435	0 87	PCI/G
SC-23015-S	04/01/1999	THORIUM-230	1.65	0 62	PCI/G
SC-23015-S	04/01/1999	URANIUM-238	1.49	2 98	PCI/G
SC-23016-S	04/01/1999	RADIUM-226	1 07	0 36	PCI/G
SC-23016-S	04/01/1999	RADIUM-228	0 95	0 54	PCI/G
SC-23016-S	04/01/1999	THORIUM-230	1 1	0 62	PCI/G
SC-23016-S	04/01/1999	URANIUM-238	1 34	2 68	PCI/G
SC-23017-S	06/01/1999	RADIUM-226	0 74	0 29	PCI/G
SC-23017-S	06/01/1999	RADIUM-228	1 1	0 45	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23017-S	06/01/1999	THORIUM-230	0.93	0.62	PCI/G
SC-23017-S	06/01/1999	URANIUM-238	1.27	2.54	PCI/G
SC-23017-S-01	07/19/1999	RADIUM-226	0.95	0.26	PCI/G
SC-23017-S-01	07/19/1999	RADIUM-228	1.14	0.39	PCI/G
SC-23017-S-01	07/19/1999	THORIUM-230	1.29	0.65	PCI/G
SC-23017-S-01	07/19/1999	URANIUM-238	1.245	2.49	PCI/G
SC-23018-S	03/29/1999	RADIUM-226	1.33	0.29	PCI/G
SC-23018-S	03/29/1999	RADIUM-228	1.07	0.4	PCI/G
SC-23018-S	03/29/1999	THORIUM-230	6.21	0.62	PCI/G
SC-23018-S	03/29/1999	URANIUM-238	1.405	2.81	PCI/G
SC-23018-S-01	07/19/1999	RADIUM-226	0.85	0.3	PCI/G
SC-23018-S-01	07/19/1999	RADIUM-228	1.19	0.45	PCI/G
SC-23018-S-01	07/19/1999	THORIUM-230	1.39	0.62	PCI/G
SC-23018-S-01	07/19/1999	URANIUM-238	1.275	2.55	PCI/G
SC-23018-S-HS01	04/06/1999	THORIUM-230	3.25	0.62	PCI/G
SC-23018-S-HS02	04/06/1999	THORIUM-230	2.64	0.62	PCI/G
SC-23018-S-HS03	04/06/1999	THORIUM-230	2.24	0.62	PCI/G
SC-23018-S-HS04	04/06/1999	THORIUM-230	12.4	0.62	PCI/G
SC-23018-S-RS	04/20/1999	THORIUM-230	1.28	0.62	PCI/G
SC-23019-S	04/01/1999	RADIUM-226	1.22	0.35	PCI/G
SC-23019-S	04/01/1999	RADIUM-228	1.16	0.49	PCI/G
SC-23019-S	04/01/1999	THORIUM-230	2.29	0.62	PCI/G
SC-23019-S	04/01/1999	URANIUM-238	1.365	2.73	PCI/G
SC-23019-S-01	07/13/1999	RADIUM-226	0.76	0.29	PCI/G
SC-23019-S-01	07/13/1999	RADIUM-228	1.11	0.42	PCI/G
SC-23019-S-01	07/13/1999	THORIUM-230	1.39	0.62	PCI/G
SC-23019-S-01	07/13/1999	URANIUM-238	1.305	2.61	PCI/G
SC-23020-C	04/01/1999	RADIUM-226	1.41	0.29	PCI/G
SC-23020-C	04/01/1999	RADIUM-228	1.14	0.51	PCI/G
SC-23020-C	04/01/1999	THORIUM-230	1.07	0.62	PCI/G
SC-23020-C	04/01/1999	URANIUM-238	4.97	2.65	PCI/G
SC-23020-S	04/09/1999	RADIUM-226	1.28	0.35	PCI/G
SC-23020-S	04/09/1999	RADIUM-228	0.49	0.98	PCI/G
SC-23020-S	04/09/1999	THORIUM-230	2.41	0.7	PCI/G
SC-23020-S	04/09/1999	URANIUM-238	1.34	2.68	PCI/G
SC-23021-S	06/01/1999	RADIUM-226	0.7	0.29	PCI/G
SC-23021-S	06/01/1999	RADIUM-228	1.03	0.31	PCI/G
SC-23021-S	06/01/1999	THORIUM-230	1.18	0.65	PCI/G
SC-23021-S	06/01/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23021-S-01	07/19/1999	RADIUM-226	1.03	0.36	PCI/G
SC-23021-S-01	07/19/1999	RADIUM-228	0.49	0.98	PCI/G
SC-23021-S-01	07/19/1999	THORIUM-230	1.37	0.66	PCI/G
SC-23021-S-01	07/19/1999	URANIUM-238	1.455	2.91	PCI/G
SC-23022-S	03/29/1999	RADIUM-226	1.08	0.32	PCI/G
SC-23022-S	03/29/1999	RADIUM-228	0.445	0.89	PCI/G
SC-23022-S	03/29/1999	THORIUM-230	1.42	0.62	PCI/G
SC-23022-S	03/29/1999	URANIUM-238	1.41	2.82	PCI/G
SC-23022-S-01	07/19/1999	RADIUM-226	0.76	0.29	PCI/G
SC-23022-S-01	07/19/1999	RADIUM-228	1.24	0.43	PCI/G
SC-23022-S-01	07/19/1999	THORIUM-230	1.33	0.64	PCI/G
SC-23022-S-01	07/19/1999	URANIUM-238	1.28	2.56	PCI/G
SC-23023-C	04/01/1999	RADIUM-226	1.24	0.34	PCI/G
SC-23023-C	04/01/1999	RADIUM-228	0.93	0.55	PCI/G
SC-23023-C	04/01/1999	THORIUM-230	1.65	0.62	PCI/G
SC-23023-C	04/01/1999	URANIUM-238	4.17	3.11	PCI/G
SC-23023-S	04/01/1999	RADIUM-226	1.15	0.32	PCI/G
SC-23023-S	04/01/1999	RADIUM-228	0.91	0.4	PCI/G
SC-23023-S	04/01/1999	THORIUM-230	1.48	0.62	PCI/G
SC-23023-S	04/01/1999	URANIUM-238	1.46	2.92	PCI/G
SC-23024-S	04/01/1999	RADIUM-226	1.15	0.38	PCI/G
SC-23024-S	04/01/1999	RADIUM-228	0.52	1.04	PCI/G
SC-23024-S	04/01/1999	THORIUM-230	1.27	0.62	PCI/G
SC-23024-S	04/01/1999	URANIUM-238	1.37	2.74	PCI/G
SC-23101-S	03/29/1999	RADIUM-226	1.11	0.33	PCI/G
SC-23101-S	03/29/1999	RADIUM-228	0.98	0.49	PCI/G
SC-23101-S	03/29/1999	THORIUM-230	1.31	0.62	PCI/G
SC-23101-S	03/29/1999	URANIUM-238	1.425	2.85	PCI/G
SC-23101-S-01	07/19/1999	RADIUM-226	0.61	0.36	PCI/G
SC-23101-S-01	07/19/1999	RADIUM-228	1.31	0.46	PCI/G
SC-23101-S-01	07/19/1999	THORIUM-230	1.21	0.66	PCI/G
SC-23101-S-01	07/19/1999	URANIUM-238	1.395	2.79	PCI/G
SC-23102-C	03/29/1999	RADIUM-226	1.34	0.32	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23102-C	03/29/1999	RADIUM-228	0 475	0.95	PCI/G
SC-23102-C	03/29/1999	THORIUM-230	1.2	0.62	PCI/G
SC-23102-C	03/29/1999	URANIUM-238	1.315	2.63	PCI/G
SC-23102-S	03/29/1999	RADIUM-226	1 35	0.29	PCI/G
SC-23102-S	03/29/1999	RADIUM-228	1.11	0 48	PCI/G
SC-23102-S	03/29/1999	THORIUM-230	1 03	0 62	PCI/G
SC-23102-S	03/29/1999	URANIUM-238	1 4	2.8	PCI/G
SC-23102-S-01	07/19/1999	RADIUM-226	0 72	0.31	PCI/G
SC-23102-S-01	07/19/1999	RADIUM-228	1.02	0.43	PCI/G
SC-23102-S-01	07/19/1999	THORIUM-230	0.94	0.64	PCI/G
SC-23102-S-01	07/19/1999	URANIUM-238	1 335	2.67	PCI/G
SC-23103-S	03/29/1999	RADIUM-226	1.21	0.33	PCI/G
SC-23103-S	03/29/1999	RADIUM-228	0.51	1.02	PCI/G
SC-23103-S	03/29/1999	THORIUM-230	1.92	0.62	PCI/G
SC-23103-S	03/29/1999	URANIUM-238	1.505	3.01	PCI/G
SC-23103-S-01	07/19/1999	RADIUM-226	0 58	0.37	PCI/G
SC-23103-S-01	07/19/1999	RADIUM-228	0.52	1.04	PCI/G
SC-23103-S-01	07/19/1999	THORIUM-230	1 03	0.65	PCI/G
SC-23103-S-01	07/19/1999	URANIUM-238	1.25	2.5	PCI/G
SC-23104-C	03/29/1999	RADIUM-226	1 28	0.25	PCI/G
SC-23104-C	03/29/1999	RADIUM-228	1.3	0.42	PCI/G
SC-23104-C	03/29/1999	THORIUM-230	0.94	0.62	PCI/G
SC-23104-C	03/29/1999	URANIUM-238	2.58	2 7	PCI/G
SC-23104-S	03/29/1999	RADIUM-226	1 37	0.29	PCI/G
SC-23104-S	03/29/1999	RADIUM-228	1 03	0 46	PCI/G
SC-23104-S	03/29/1999	THORIUM-230	1 69	0 62	PCI/G
SC-23104-S	03/29/1999	URANIUM-238	1 37	2.74	PCI/G
SC-23104-S-01	07/19/1999	RADIUM-226	0 73	0 29	PCI/G
SC-23104-S-01	07/19/1999	RADIUM-228	1.02	0 47	PCI/G
SC-23104-S-01	07/19/1999	THORIUM-230	0.86	0 62	PCI/G
SC-23104-S-01	07/19/1999	URANIUM-238	1 275	2 55	PCI/G
SC-23105-S	03/29/1999	RADIUM-226	1 11	0.3	PCI/G
SC-23105-S	03/29/1999	RADIUM-228	1.1	0 44	PCI/G
SC-23105-S	03/29/1999	THORIUM-230	1 83	0 62	PCI/G
SC-23105-S	03/29/1999	URANIUM-238	1 42	2 84	PCI/G
SC-23105-S-01	07/23/1999	RADIUM-226	0.29	0 58	PCI/G
SC-23105-S-01	07/23/1999	RADIUM-228	0 46	0 92	PCI/G
SC-23105-S-01	07/23/1999	THORIUM-230	1.15	0.65	PCI/G
SC-23105-S-01	07/23/1999	URANIUM-238	1 365	2 73	PCI/G
SC-23106-C	03/29/1999	RADIUM-226	4 02	0 46	PCI/G
SC-23106-C	03/29/1999	RADIUM-228	0 59	1 18	PCI/G
SC-23106-C	03/29/1999	THORIUM-230	65	0.62	PCI/G
SC-23106-C	03/29/1999	URANIUM-238	2.065	4 13	PCI/G
SC-23106-C-RS	04/06/1999	RADIUM-226	1.1	0.3	PCI/G
SC-23106-C-RS	04/06/1999	RADIUM-228	1 08	0.39	PCI/G
SC-23106-C-RS	04/06/1999	THORIUM-230	2.2	0.62	PCI/G
SC-23106-C-RS	04/06/1999	URANIUM-238	1.365	2 73	PCI/G
SC-23106-S	03/29/1999	RADIUM-226	1 28	0.29	PCI/G
SC-23106-S	03/29/1999	RADIUM-228	1 34	0.45	PCI/G
SC-23106-S	03/29/1999	THORIUM-230	1 78	0.62	PCI/G
SC-23106-S	03/29/1999	URANIUM-238	1 385	2.77	PCI/G
SC-23106-S-01	06/23/1999	RADIUM-226	0 69	0.31	PCI/G
SC-23106-S-01	06/23/1999	RADIUM-228	1.28	0.53	PCI/G
SC-23106-S-01	06/23/1999	THORIUM-230	1 38	0.62	PCI/G
SC-23106-S-01	06/23/1999	URANIUM-238	1.225	2.45	PCI/G
SC-23107-S	03/29/1999	RADIUM-226	1 32	0.34	PCI/G
SC-23107-S	03/29/1999	RADIUM-228	0 445	0.89	PCI/G
SC-23107-S	03/29/1999	THORIUM-230	2 18	0.62	PCI/G
SC-23107-S	03/29/1999	URANIUM-238	1.415	2.83	PCI/G
SC-23107-S-01	06/23/1999	RADIUM-226	0 79	0.26	PCI/G
SC-23107-S-01	06/23/1999	RADIUM-228	1.19	0.35	PCI/G
SC-23107-S-01	06/23/1999	THORIUM-230	1 54	0.64	PCI/G
SC-23107-S-01	06/23/1999	URANIUM-238	1.295	2.59	PCI/G
SC-23108-C	04/01/1999	RADIUM-226	0.91	0.35	PCI/G
SC-23108-C	04/01/1999	RADIUM-228	0.98	0.45	PCI/G
SC-23108-C	04/01/1999	THORIUM-230	1.05	0.62	PCI/G
SC-23108-C	04/01/1999	URANIUM-238	1.39	2.78	PCI/G
SC-23108-S	04/01/1999	RADIUM-226	1 11	0.31	PCI/G
SC-23108-S	04/01/1999	RADIUM-228	0 49	0.98	PCI/G
SC-23108-S	04/01/1999	THORIUM-230	2 68	0.62	PCI/G
SC-23108-S	04/01/1999	URANIUM-238	1 455	2.91	PCI/G
SC-23109-S	04/01/1999	RADIUM-226	1 28	0.31	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23109-S	04/01/1999	RADIUM-228	1.3	0.39	PCI/G
SC-23109-S	04/01/1999	THORIUM-230	2.02	0.62	PCI/G
SC-23109-S	04/01/1999	URANIUM-238	1.46	2.92	PCI/G
SC-23110-S	03/29/1999	RADIUM-226	1.44	0.34	PCI/G
SC-23110-S	03/29/1999	RADIUM-228	1.21	0.41	PCI/G
SC-23110-S	03/29/1999	THORIUM-230	10.5	0.62	PCI/G
SC-23110-S	03/29/1999	URANIUM-238	1.55	3.1	PCI/G
SC-23110-S-01	07/19/1999	RADIUM-226	0.315	0.63	PCI/G
SC-23110-S-01	07/19/1999	RADIUM-228	0.88	0.57	PCI/G
SC-23110-S-01	07/19/1999	THORIUM-230	1.26	0.66	PCI/G
SC-23110-S-01	07/19/1999	URANIUM-238	1.38	2.76	PCI/G
SC-23110-S-HS01	04/06/1999	THORIUM-230	3.38	0.62	PCI/G
SC-23110-S-HS02	04/06/1999	THORIUM-230	1.71	0.62	PCI/G
SC-23110-S-HS03	04/06/1999	THORIUM-230	72.3	0.62	PCI/G
SC-23110-S-HS04	04/06/1999	THORIUM-230	8.86	0.62	PCI/G
SC-23110-S-RS	04/20/1999	THORIUM-230	3.21	0.73	PCI/G
SC-23111-S	03/29/1999	RADIUM-226	1.47	0.35	PCI/G
SC-23111-S	03/29/1999	RADIUM-228	1.18	0.48	PCI/G
SC-23111-S	03/29/1999	THORIUM-230	10.7	0.62	PCI/G
SC-23111-S	03/29/1999	URANIUM-238	1.445	2.89	PCI/G
SC-23111-S-01	07/19/1999	RADIUM-226	0.83	0.29	PCI/G
SC-23111-S-01	07/19/1999	RADIUM-228	0.98	0.41	PCI/G
SC-23111-S-01	07/19/1999	THORIUM-230	1.1	0.64	PCI/G
SC-23111-S-01	07/19/1999	URANIUM-238	1.44	2.88	PCI/G
SC-23111-S-HS01	04/06/1999	THORIUM-230	2.14	0.62	PCI/G
SC-23111-S-HS02	04/06/1999	THORIUM-230	1.8	0.62	PCI/G
SC-23111-S-HS03	04/06/1999	THORIUM-230	443	0.62	PCI/G
SC-23111-S-HS04	04/06/1999	THORIUM-230	3.34	0.62	PCI/G
SC-23111-S-RS	04/20/1999	THORIUM-230	7.17	0.62	PCI/G
SC-23111-S-RS2	04/25/1999	THORIUM-230	1.31	0.62	PCI/G
SC-23112-S	03/29/1999	RADIUM-226	1.06	0.27	PCI/G
SC-23112-S	03/29/1999	RADIUM-228	1.29	0.44	PCI/G
SC-23112-S	03/29/1999	THORIUM-230	1.07	0.62	PCI/G
SC-23112-S	03/29/1999	URANIUM-238	1.195	2.39	PCI/G
SC-23112-S-01	07/19/1999	RADIUM-226	0.66	0.3	PCI/G
SC-23112-S-01	07/19/1999	RADIUM-228	1.32	0.49	PCI/G
SC-23112-S-01	07/19/1999	THORIUM-230	1.05	0.65	PCI/G
SC-23112-S-01	07/19/1999	URANIUM-238	1.215	2.43	PCI/G
SC-23113-S	03/29/1999	RADIUM-226	1.22	0.34	PCI/G
SC-23113-S	03/29/1999	RADIUM-228	0.5	1	PCI/G
SC-23113-S	03/29/1999	THORIUM-230	4.22	0.62	PCI/G
SC-23113-S	03/29/1999	URANIUM-238	1.4	2.8	PCI/G
SC-23113-S-01	07/19/1999	RADIUM-226	0.65	0.3	PCI/G
SC-23113-S-01	07/19/1999	RADIUM-228	1.21	0.45	PCI/G
SC-23113-S-01	07/19/1999	THORIUM-230	0.99	0.62	PCI/G
SC-23113-S-01	07/19/1999	URANIUM-238	1.325	2.65	PCI/G
SC-23114-S	03/29/1999	RADIUM-226	1.21	0.3	PCI/G
SC-23114-S	03/29/1999	RADIUM-228	1.23	0.47	PCI/G
SC-23114-S	03/29/1999	THORIUM-230	4.34	0.62	PCI/G
SC-23114-S	03/29/1999	URANIUM-238	1.67	3.34	PCI/G
SC-23114-S-01	07/19/1999	RADIUM-226	0.8	0.34	PCI/G
SC-23114-S-01	07/19/1999	RADIUM-228	0.47	0.94	PCI/G
SC-23114-S-01	07/19/1999	THORIUM-230	0.76	0.66	PCI/G
SC-23114-S-01	07/19/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23115-S	03/29/1999	RADIUM-226	1	0.35	PCI/G
SC-23115-S	03/29/1999	RADIUM-228	0.44	0.88	PCI/G
SC-23115-S	03/29/1999	THORIUM-230	1.85	0.62	PCI/G
SC-23115-S	03/29/1999	URANIUM-238	1.475	2.95	PCI/G
SC-23115-S-01	06/23/1999	RADIUM-226	0.79	0.28	PCI/G
SC-23115-S-01	06/23/1999	RADIUM-228	0.7	0.57	PCI/G
SC-23115-S-01	06/23/1999	THORIUM-230	1.09	0.64	PCI/G
SC-23115-S-01	06/23/1999	URANIUM-238	1.33	2.66	PCI/G
SC-23116-S	03/29/1999	RADIUM-226	1.47	0.27	PCI/G
SC-23116-S	03/29/1999	RADIUM-228	0.84	0.49	PCI/G
SC-23116-S	03/29/1999	THORIUM-230	1.3	0.62	PCI/G
SC-23116-S	03/29/1999	URANIUM-238	1.38	2.76	PCI/G
SC-23116-S-01	06/23/1999	RADIUM-226	0.79	0.25	PCI/G
SC-23116-S-01	06/23/1999	RADIUM-228	1.09	0.42	PCI/G
SC-23116-S-01	06/23/1999	THORIUM-230	3.03	0.65	PCI/G
SC-23116-S-01	06/23/1999	URANIUM-238	1.37	2.74	PCI/G
SC-23117-S	04/01/1999	RADIUM-226	1.07	0.33	PCI/G
SC-23117-S	04/01/1999	RADIUM-228	1.09	0.59	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23117-S	04/01/1999	THORIUM-230	1 37	0.62	PCI/G
SC-23117-S	04/01/1999	URANIUM-238	1.325	2.65	PCI/G
SC-23118-S	04/01/1999	RADIUM-226	1.08	0 28	PCI/G
SC-23118-S	04/01/1999	RADIUM-228	0.98	0 46	PCI/G
SC-23118-S	04/01/1999	THORIUM-230	1.21	0.62	PCI/G
SC-23118-S	04/01/1999	URANIUM-238	1.42	2.84	PCI/G
SC-23119-S	06/07/1999	RADIUM-226	0.89	0.27	PCI/G
SC-23119-S	06/07/1999	RADIUM-228	1.22	0 44	PCI/G
SC-23119-S	06/07/1999	THORIUM-230	1.87	0.65	PCI/G
SC-23119-S	06/07/1999	URANIUM-238	1.315	2.63	PCI/G
SC-23119-S-01	07/19/1999	RADIUM-226	0.65	0 31	PCI/G
SC-23119-S-01	07/19/1999	RADIUM-228	0 99	0 45	PCI/G
SC-23119-S-01	07/19/1999	THORIUM-230	0.94	0 64	PCI/G
SC-23119-S-01	07/19/1999	URANIUM-238	1.3	2 6	PCI/G
SC-23120-S	06/07/1999	RADIUM-226	0.84	0.33	PCI/G
SC-23120-S	06/07/1999	RADIUM-228	0 96	0.47	PCI/G
SC-23120-S	06/07/1999	THORIUM-230	1.33	0.64	PCI/G
SC-23120-S	06/07/1999	URANIUM-238	1.26	2.52	PCI/G
SC-23120-S-01	07/19/1999	RADIUM-226	0.8	0.3	PCI/G
SC-23120-S-01	07/19/1999	RADIUM-228	0 445	0 89	PCI/G
SC-23120-S-01	07/19/1999	THORIUM-230	1.26	0 65	PCI/G
SC-23120-S-01	07/19/1999	URANIUM-238	7.43	2.92	PCI/G
SC-23121-S	06/07/1999	RADIUM-226	1	0.28	PCI/G
SC-23121-S	06/07/1999	RADIUM-228	0.485	0.97	PCI/G
SC-23121-S	06/07/1999	THORIUM-230	1.8	0.62	PCI/G
SC-23121-S	06/07/1999	URANIUM-238	1.37	2 74	PCI/G
SC-23121-S-01	07/19/1999	RADIUM-226	0.81	0 29	PCI/G
SC-23121-S-01	07/19/1999	RADIUM-228	1	0 36	PCI/G
SC-23121-S-01	07/19/1999	THORIUM-230	1.18	0 62	PCI/G
SC-23121-S-01	07/19/1999	URANIUM-238	1.325	2 65	PCI/G
SC-23122-S	06/07/1999	RADIUM-226	0.88	0 28	PCI/G
SC-23122-S	06/07/1999	RADIUM-228	1 12	0 43	PCI/G
SC-23122-S	06/07/1999	THORIUM-230	0.88	0.65	PCI/G
SC-23122-S	06/07/1999	URANIUM-238	1.305	2.61	PCI/G
SC-23122-S-01	07/19/1999	RADIUM-226	0.92	0 24	PCI/G
SC-23122-S-01	07/19/1999	RADIUM-228	0 42	0 84	PCI/G
SC-23122-S-01	07/19/1999	THORIUM-230	1.08	0.66	PCI/G
SC-23122-S-01	07/19/1999	URANIUM-238	1 3	2 6	PCI/G
SC-23123-S	06/07/1999	RADIUM-226	0 88	0 36	PCI/G
SC-23123-S	06/07/1999	RADIUM-228	0 475	0.95	PCI/G
SC-23123-S	06/07/1999	THORIUM-230	1 03	0 65	PCI/G
SC-23123-S	06/07/1999	URANIUM-238	1.265	2 53	PCI/G
SC-23123-S-01	07/19/1999	RADIUM-226	0 67	0 32	PCI/G
SC-23123-S-01	07/19/1999	RADIUM-228	1 23	0 35	PCI/G
SC-23123-S-01	07/19/1999	THORIUM-230	1 24	0.64	PCI/G
SC-23123-S-01	07/19/1999	URANIUM-238	1.29	2.58	PCI/G
SC-23201-S	02/24/1999	RADIUM-226	1.48	0.33	PCI/G
SC-23201-S	02/24/1999	RADIUM-228	0.52	1 04	PCI/G
SC-23201-S	02/24/1999	THORIUM-230	3 47	0 62	PCI/G
SC-23201-S	02/24/1999	URANIUM-238	5 89	3 64	PCI/G
SC-23201-S-RS	06/15/1999	RADIUM-226	0.335	0 67	PCI/G
SC-23201-S-RS	06/15/1999	RADIUM-228	0.485	0 97	PCI/G
SC-23201-S-RS	06/15/1999	THORIUM-230	10 2	0 64	PCI/G
SC-23201-S-RS	06/15/1999	URANIUM-238	12 9	3.21	PCI/G
SC-23201-S-RS2	06/17/1999	THORIUM-230	1 38	0 65	PCI/G
SC-23201-U	09/10/1999	RADIUM-226	0.95	0 31	PCI/G
SC-23201-U	09/10/1999	RADIUM-228	0 5	1	PCI/G
SC-23201-U	09/10/1999	THORIUM-230	1 02	0.62	PCI/G
SC-23201-U	09/10/1999	URANIUM-238	1 41	2 82	PCI/G
SC-23202-S	02/24/1999	RADIUM-226	1 24	0.33	PCI/G
SC-23202-S	02/24/1999	RADIUM-228	0.94	0 43	PCI/G
SC-23202-S	02/24/1999	THORIUM-230	1.87	0 62	PCI/G
SC-23202-S	02/24/1999	URANIUM-238	5.06	2 51	PCI/G
SC-23202-S-01	08/03/1999	RADIUM-226	0.35	0 7	PCI/G
SC-23202-S-01	08/03/1999	RADIUM-228	0.5	1	PCI/G
SC-23202-S-01	08/03/1999	THORIUM-230	1 49	0.64	PCI/G
SC-23202-S-01	08/03/1999	URANIUM-238	1.43	2.86	PCI/G
SC-23202-U	09/13/1999	RADIUM-226	0.61	0 3	PCI/G
SC-23202-U	09/13/1999	RADIUM-228	0.45	0.9	PCI/G
SC-23202-U	09/13/1999	THORIUM-230	0.84	0 62	PCI/G
SC-23202-U	09/13/1999	URANIUM-238	1.24	2 48	PCI/G
SC-23203-S	03/29/1999	RADIUM-226	1.46	0 41	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23203-S	03/29/1999	RADIUM-228	0.46	0.92	PCI/G
SC-23203-S	03/29/1999	THORIUM-230	8.08	0.62	PCI/G
SC-23203-S	03/29/1999	URANIUM-238	1.34	2.68	PCI/G
SC-23203-S-01	07/28/1999	RADIUM-226	0.33	0.66	PCI/G
SC-23203-S-01	07/28/1999	RADIUM-228	0.45	0.9	PCI/G
SC-23203-S-01	07/28/1999	THORIUM-230	1.16	0.64	PCI/G
SC-23203-S-01	07/28/1999	URANIUM-238	1.7	3.4	PCI/G
SC-23203-S-HS01	04/06/1999	THORIUM-230	4.87	0.62	PCI/G
SC-23203-S-HS02	04/06/1999	THORIUM-230	9.2	0.62	PCI/G
SC-23203-S-HS03	04/06/1999	THORIUM-230	14.9	0.62	PCI/G
SC-23203-S-HS04	04/06/1999	THORIUM-230	2.06	0.62	PCI/G
SC-23203-S-RS	05/04/1999	THORIUM-230	3.42	0.73	PCI/G
SC-23204-C	03/29/1999	RADIUM-226	1.19	0.34	PCI/G
SC-23204-C	03/29/1999	RADIUM-228	1.25	0.55	PCI/G
SC-23204-C	03/29/1999	THORIUM-230	6.29	0.62	PCI/G
SC-23204-C	03/29/1999	URANIUM-238	3.72	2.55	PCI/G
SC-23204-C-01	07/28/1999	RADIUM-226	0.81	0.31	PCI/G
SC-23204-C-01	07/28/1999	RADIUM-228	1.14	0.38	PCI/G
SC-23204-C-01	07/28/1999	THORIUM-230	1.99	0.62	PCI/G
SC-23204-C-01	07/28/1999	URANIUM-238	7.73	2.21	PCI/G
SC-23204-C-HS01	04/06/1999	THORIUM-230	2.89	0.62	PCI/G
SC-23204-C-HS02	04/06/1999	THORIUM-230	3.66	0.62	PCI/G
SC-23204-C-HS03	04/06/1999	THORIUM-230	13.9	0.62	PCI/G
SC-23204-C-HS04	04/06/1999	THORIUM-230	4.96	0.62	PCI/G
SC-23204-C-RS	05/04/1999	THORIUM-230	10.8	0.62	PCI/G
SC-23204-C-RS1	05/06/1999	THORIUM-230	4.11	0.73	PCI/G
SC-23204-S	03/29/1999	RADIUM-226	1.14	0.33	PCI/G
SC-23204-S	03/29/1999	RADIUM-228	0.445	0.89	PCI/G
SC-23204-S	03/29/1999	THORIUM-230	1.58	0.62	PCI/G
SC-23204-S	03/29/1999	URANIUM-238	1.455	2.91	PCI/G
SC-23204-S-01	07/28/1999	RADIUM-226	0.33	0.66	PCI/G
SC-23204-S-01	07/28/1999	RADIUM-228	0.46	0.92	PCI/G
SC-23204-S-01	07/28/1999	THORIUM-230	1.19	0.62	PCI/G
SC-23204-S-01	07/28/1999	URANIUM-238	16	3.83	PCI/G
SC-23204-S-HS01	05/07/1999	THORIUM-230	2.6	0.7	PCI/G
SC-23204-S-HS02	05/07/1999	THORIUM-230	2.42	0.7	PCI/G
SC-23204-S-HS03	05/07/1999	THORIUM-230	1.4	0.73	PCI/G
SC-23204-S-HS04	05/07/1999	THORIUM-230	7.31	0.62	PCI/G
SC-23204-S-RS	05/18/1999	THORIUM-230	1.04	0.7	PCI/G
SC-23204-S-RS2	05/01/2000	2,4,6-TRINITROTOLUENE	0.115	0.23	UG/G
SC-23205-S	03/29/1999	RADIUM-226	1.18	0.32	PCI/G
SC-23205-S	03/29/1999	RADIUM-228	1.05	0.39	PCI/G
SC-23205-S	03/29/1999	THORIUM-230	1.9	0.62	PCI/G
SC-23205-S	03/29/1999	URANIUM-238	1.315	2.63	PCI/G
SC-23205-S-01	07/28/1999	RADIUM-226	1.02	0.32	PCI/G
SC-23205-S-01	07/28/1999	RADIUM-228	1.04	0.49	PCI/G
SC-23205-S-01	07/28/1999	THORIUM-230	1.31	0.64	PCI/G
SC-23205-S-01	07/28/1999	URANIUM-238	19.4	3.14	PCI/G
SC-23205-S-RS	05/01/2000	2,4,6-TRINITROTOLUENE	0.115	0.23	UG/G
SC-23206-S	03/29/1999	RADIUM-226	1.22	0.35	PCI/G
SC-23206-S	03/29/1999	RADIUM-228	1.22	0.42	PCI/G
SC-23206-S	03/29/1999	THORIUM-230	1.6	0.62	PCI/G
SC-23206-S	03/29/1999	URANIUM-238	1.475	2.95	PCI/G
SC-23206-S-01	07/28/1999	RADIUM-226	0.93	0.34	PCI/G
SC-23206-S-01	07/28/1999	RADIUM-228	0.475	0.95	PCI/G
SC-23206-S-01	07/28/1999	THORIUM-230	1.77	0.64	PCI/G
SC-23206-S-01	07/28/1999	URANIUM-238	3.84	2.72	PCI/G
SC-23206-S-RS	05/01/2000	2,4,6-TRINITROTOLUENE	0.115	0.23	UG/G
SC-23207-C	03/29/1999	RADIUM-226	0.98	0.32	PCI/G
SC-23207-C	03/29/1999	RADIUM-228	1	0.41	PCI/G
SC-23207-C	03/29/1999	THORIUM-230	1.42	0.62	PCI/G
SC-23207-C	03/29/1999	URANIUM-238	1.385	2.77	PCI/G
SC-23207-S	03/29/1999	RADIUM-226	1.09	0.38	PCI/G
SC-23207-S	03/29/1999	RADIUM-228	0.475	0.95	PCI/G
SC-23207-S	03/29/1999	THORIUM-230	1.35	0.62	PCI/G
SC-23207-S	03/29/1999	URANIUM-238	1.495	2.99	PCI/G
SC-23207-S-01	07/19/1999	RADIUM-226	0.305	0.61	PCI/G
SC-23207-S-01	07/19/1999	RADIUM-228	0.455	0.91	PCI/G
SC-23207-S-01	07/19/1999	THORIUM-230	1.51	0.65	PCI/G
SC-23207-S-01	07/19/1999	URANIUM-238	1.55	3.1	PCI/G
SC-23207-S-RS	05/01/2000	2,4,6-TRINITROTOLUENE	2.2	0.24	UG/G
SC-23208-S	03/29/1999	RADIUM-226	1.24	0.28	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23208-S	03/29/1999	RADIUM-228	1.06	0.41	PCI/G
SC-23208-S	03/29/1999	THORIUM-230	1 07	0 62	PCI/G
SC-23208-S	03/29/1999	URANIUM-238	1.42	2.84	PCI/G
SC-23208-S-01	07/19/1999	RADIUM-226	0.89	0 31	PCI/G
SC-23208-S-01	07/19/1999	RADIUM-228	1.09	0.48	PCI/G
SC-23208-S-01	07/19/1999	THORIUM-230	1.5	0.62	PCI/G
SC-23208-S-01	07/19/1999	URANIUM-238	1.425	2 85	PCI/G
SC-23209-S	02/24/1999	RADIUM-226	1 41	0 38	PCI/G
SC-23209-S	02/24/1999	RADIUM-228	1.36	0 45	PCI/G
SC-23209-S	02/24/1999	THORIUM-230	2.44	0.62	PCI/G
SC-23209-S	02/24/1999	URANIUM-238	5.1	3.38	PCI/G
SC-23209-S-01	08/02/1999	RADIUM-226	0.72	0.34	PCI/G
SC-23209-S-01	08/02/1999	RADIUM-228	0.42	0 84	PCI/G
SC-23209-S-01	08/02/1999	THORIUM-230	5 51	0.64	PCI/G
SC-23209-S-01	08/02/1999	URANIUM-238	1.41	2.82	PCI/G
SC-23209-S-A	02/24/1999	RADIUM-226	1.12	0.31	PCI/G
SC-23209-S-A	02/24/1999	RADIUM-228	1.03	0.43	PCI/G
SC-23209-S-A	02/24/1999	THORIUM-230	0.92	0 62	PCI/G
SC-23209-S-A	02/24/1999	URANIUM-238	1.325	2 65	PCI/G
SC-23209-S-B	03/01/1999	RADIUM-226	1.39	0 25	PCI/G
SC-23209-S-B	03/01/1999	RADIUM-228	1.07	0 51	PCI/G
SC-23209-S-B	03/01/1999	THORIUM-230	0.86	0.62	PCI/G
SC-23209-S-B	03/01/1999	URANIUM-238	3.99	3 2	PCI/G
SC-23210-S	02/24/1999	RADIUM-226	1.22	0 34	PCI/G
SC-23210-S	02/24/1999	RADIUM-228	1.03	0 56	PCI/G
SC-23210-S	02/24/1999	THORIUM-230	4.22	0 62	PCI/G
SC-23210-S	02/24/1999	URANIUM-238	1.395	2 79	PCI/G
SC-23210-S-01	08/03/1999	RADIUM-226	0.72	0 31	PCI/G
SC-23210-S-01	08/03/1999	RADIUM-228	1.22	0 33	PCI/G
SC-23210-S-01	08/03/1999	THORIUM-230	1 18	0.64	PCI/G
SC-23210-S-01	08/03/1999	URANIUM-238	1.625	3 25	PCI/G
SC-23210-S-A	02/24/1999	RADIUM-226	1 28	0 31	PCI/G
SC-23210-S-A	02/24/1999	RADIUM-228	0 97	0 44	PCI/G
SC-23210-S-A	02/24/1999	THORIUM-230	3 94	0.62	PCI/G
SC-23210-S-A	02/24/1999	URANIUM-238	1 45	2 9	PCI/G
SC-23210-S-B	03/01/1999	RADIUM-226	1.03	0 33	PCI/G
SC-23210-S-B	03/01/1999	RADIUM-228	1 09	0 38	PCI/G
SC-23210-S-B	03/01/1999	THORIUM-230	0.95	0 62	PCI/G
SC-23210-S-B	03/01/1999	URANIUM-238	5 19	2.5	PCI/G
SC-23211-S	02/24/1999	RADIUM-226	1 14	0 33	PCI/G
SC-23211-S	02/24/1999	RADIUM-228	1.08	0.42	PCI/G
SC-23211-S	02/24/1999	THORIUM-230	2.23	0 62	PCI/G
SC-23211-S	02/24/1999	URANIUM-238	1.415	2.83	PCI/G
SC-23211-S-01	07/28/1999	RADIUM-226	0.86	0 29	PCI/G
SC-23211-S-01	07/28/1999	RADIUM-228	1 12	0 38	PCI/G
SC-23211-S-01	07/28/1999	THORIUM-230	2.82	0 62	PCI/G
SC-23211-S-01	07/28/1999	URANIUM-238	1 44	2 88	PCI/G
SC-23211-S-A	02/24/1999	RADIUM-226	1 54	0 27	PCI/G
SC-23211-S-A	02/24/1999	RADIUM-228	1 23	0 44	PCI/G
SC-23211-S-A	02/24/1999	THORIUM-230	12 6	0 62	PCI/G
SC-23211-S-A	02/24/1999	URANIUM-238	1 455	2 91	PCI/G
SC-23211-S-B	03/01/1999	RADIUM-226	1 09	0 36	PCI/G
SC-23211-S-B	03/01/1999	RADIUM-228	0.485	0.97	PCI/G
SC-23211-S-B	03/01/1999	THORIUM-230	0 79	0.62	PCI/G
SC-23211-S-B	03/01/1999	URANIUM-238	8 4	3.56	PCI/G
SC-23212-S	03/29/1999	RADIUM-226	1 4	0 39	PCI/G
SC-23212-S	03/29/1999	RADIUM-228	0 535	1 07	PCI/G
SC-23212-S	03/29/1999	THORIUM-230	7 79	0 62	PCI/G
SC-23212-S	03/29/1999	URANIUM-238	1 46	2 92	PCI/G
SC-23212-S-01	07/28/1999	RADIUM-226	0 72	0 35	PCI/G
SC-23212-S-01	07/28/1999	RADIUM-228	0.5	1	PCI/G
SC-23212-S-01	07/28/1999	THORIUM-230	1 21	0.62	PCI/G
SC-23212-S-01	07/28/1999	URANIUM-238	2 18	2.65	PCI/G
SC-23212-S-A	02/24/1999	RADIUM-226	1.22	0 32	PCI/G
SC-23212-S-A	02/24/1999	RADIUM-228	1.24	0.49	PCI/G
SC-23212-S-A	02/24/1999	THORIUM-230	5.68	0.62	PCI/G
SC-23212-S-A	02/24/1999	URANIUM-238	1.385	2 77	PCI/G
SC-23212-S-B	03/01/1999	RADIUM-226	1 32	0 28	PCI/G
SC-23212-S-B	03/01/1999	RADIUM-228	1 33	0 4	PCI/G
SC-23212-S-B	03/01/1999	THORIUM-230	2 82	0 62	PCI/G
SC-23212-S-B	03/01/1999	URANIUM-238	1.41	2 82	PCI/G
SC-23212-S-HS01	04/06/1999	THORIUM-230	2.94	0 62	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23212-S-HS02	04/06/1999	THORIUM-230	2.37	0.62	PCI/G
SC-23212-S-HS03	04/06/1999	THORIUM-230	7.1	0.62	PCI/G
SC-23212-S-HS04	04/06/1999	THORIUM-230	6.62	0.62	PCI/G
SC-23212-S-RS	04/25/1999	THORIUM-230	19.7	0.7	PCI/G
SC-23212-S-RS2	05/04/1999	THORIUM-230	3.05	0.7	PCI/G
SC-23212-S-RS3	05/01/2000	2,4,6-TRINITROTOLUENE	0.32	0.24	UG/G
SC-23213-S	03/29/1999	RADIUM-226	1.79	0.31	PCI/G
SC-23213-S	03/29/1999	RADIUM-228	0.87	0.47	PCI/G
SC-23213-S	03/29/1999	THORIUM-230	9.84	0.62	PCI/G
SC-23213-S	03/29/1999	URANIUM-238	1.56	3.12	PCI/G
SC-23213-S-01	07/28/1999	RADIUM-226	0.93	0.29	PCI/G
SC-23213-S-01	07/28/1999	RADIUM-228	1.18	0.43	PCI/G
SC-23213-S-01	07/28/1999	THORIUM-230	1.32	0.64	PCI/G
SC-23213-S-01	07/28/1999	URANIUM-238	1.32	2.64	PCI/G
SC-23213-S-HS01	04/06/1999	THORIUM-230	12.4	0.62	PCI/G
SC-23213-S-HS02	04/06/1999	THORIUM-230	1.97	0.62	PCI/G
SC-23213-S-HS03	04/06/1999	THORIUM-230	28.3	0.62	PCI/G
SC-23213-S-HS04	04/06/1999	THORIUM-230	4.26	0.62	PCI/G
SC-23213-S-RS	04/25/1999	THORIUM-230	2.67	0.62	PCI/G
SC-23213-S-RS2	05/01/2000	2,4,6-TRINITROTOLUENE	0.71	0.24	UG/G
SC-23214-S	03/29/1999	RADIUM-226	1	0.27	PCI/G
SC-23214-S	03/29/1999	RADIUM-228	0.45	0.9	PCI/G
SC-23214-S	03/29/1999	THORIUM-230	2.01	0.62	PCI/G
SC-23214-S	03/29/1999	URANIUM-238	1.325	2.65	PCI/G
SC-23214-S-01	07/27/1999	RADIUM-226	1	0.37	PCI/G
SC-23214-S-01	07/27/1999	RADIUM-228	0.515	1.03	PCI/G
SC-23214-S-01	07/27/1999	THORIUM-230	1.45	0.64	PCI/G
SC-23214-S-01	07/27/1999	URANIUM-238	5.72	2.66	PCI/G
SC-23214-S-RS	05/01/2000	2,4,6-TRINITROTOLUENE	280	24	UG/G
SC-23214-S-RS2	07/06/2000	2,4,6-TRINITROTOLUENE	0.145	0.29	UG/G
SC-23215-S	03/29/1999	RADIUM-226	0.98	0.31	PCI/G
SC-23215-S	03/29/1999	RADIUM-228	1.06	0.4	PCI/G
SC-23215-S	03/29/1999	THORIUM-230	2.23	0.62	PCI/G
SC-23215-S	03/29/1999	URANIUM-238	1.325	2.65	PCI/G
SC-23215-S-01	07/19/1999	RADIUM-226	0.345	0.69	PCI/G
SC-23215-S-01	07/19/1999	RADIUM-228	0.47	0.94	PCI/G
SC-23215-S-01	07/19/1999	THORIUM-230	1.35	0.66	PCI/G
SC-23215-S-01	07/19/1999	URANIUM-238	1.505	3.01	PCI/G
SC-23215-S-RS	05/01/2000	2,4,6-TRINITROTOLUENE	3.4	0.23	UG/G
SC-23216-S	03/29/1999	RADIUM-226	1.03	0.31	PCI/G
SC-23216-S	03/29/1999	RADIUM-228	0.485	0.97	PCI/G
SC-23216-S	03/29/1999	THORIUM-230	3.05	0.62	PCI/G
SC-23216-S	03/29/1999	URANIUM-238	1.29	2.58	PCI/G
SC-23216-S-01	07/19/1999	RADIUM-226	0.87	0.3	PCI/G
SC-23216-S-01	07/19/1999	RADIUM-228	1.05	0.45	PCI/G
SC-23216-S-01	07/19/1999	THORIUM-230	1.34	0.64	PCI/G
SC-23216-S-01	07/19/1999	URANIUM-238	1.385	2.77	PCI/G
SC-23217-S	08/02/1999	RADIUM-226	0.82	0.3	PCI/G
SC-23217-S	08/02/1999	RADIUM-228	1.11	0.43	PCI/G
SC-23217-S	08/02/1999	THORIUM-230	1.54	0.64	PCI/G
SC-23217-S	08/02/1999	URANIUM-238	1.395	2.79	PCI/G
SC-23218-S	08/02/1999	RADIUM-226	0.68	0.31	PCI/G
SC-23218-S	08/02/1999	RADIUM-228	0.46	0.92	PCI/G
SC-23218-S	08/02/1999	THORIUM-230	1.27	0.64	PCI/G
SC-23218-S	08/02/1999	URANIUM-238	1.355	2.71	PCI/G
SC-23219-S	08/02/1999	RADIUM-226	1.13	0.3	PCI/G
SC-23219-S	08/02/1999	RADIUM-228	1.06	0.42	PCI/G
SC-23219-S	08/02/1999	THORIUM-230	1.54	0.64	PCI/G
SC-23219-S	08/02/1999	URANIUM-238	1.345	2.69	PCI/G
SC-23220-S	07/31/1999	RADIUM-226	0.77	0.32	PCI/G
SC-23220-S	07/31/1999	RADIUM-228	0.45	0.9	PCI/G
SC-23220-S	07/31/1999	THORIUM-230	1.25	0.64	PCI/G
SC-23220-S	07/31/1999	URANIUM-238	1.325	2.65	PCI/G
SC-23220-S-RS	05/01/2000	2,4,6-TRINITROTOLUENE	1.1	0.24	UG/G
SC-23221-S	07/28/1999	RADIUM-226	1.13	0.31	PCI/G
SC-23221-S	07/28/1999	RADIUM-228	1.12	0.47	PCI/G
SC-23221-S	07/28/1999	THORIUM-230	5.04	0.62	PCI/G
SC-23221-S	07/28/1999	URANIUM-238	1.575	3.15	PCI/G
SC-23221-S-RS	05/01/2000	2,4,6-TRINITROTOLUENE	0.115	0.23	UG/G
SC-23222-S	07/24/1999	RADIUM-226	1.17	0.35	PCI/G
SC-23222-S	07/24/1999	RADIUM-228	1	0.48	PCI/G
SC-23222-S	07/24/1999	THORIUM-230	2.28	0.64	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23222-S	07/24/1999	URANIUM-238	1.535	3 07	PCI/G
SC-23222-S-RS	05/01/2000	2,4,6-TRINITROTOLUENE	1 3	0 24	UG/G
SC-23223-S	06/07/1999	RADIUM-226	0 94	0.33	PCI/G
SC-23223-S	06/07/1999	RADIUM-228	1 08	0 47	PCI/G
SC-23223-S	06/07/1999	THORIUM-230	3.2	0 64	PCI/G
SC-23223-S	06/07/1999	URANIUM-238	1.31	2.62	PCI/G
SC-23223-S-01	07/28/1999	RADIUM-226	1.08	0 37	PCI/G
SC-23223-S-01	07/28/1999	RADIUM-228	0.465	0.93	PCI/G
SC-23223-S-01	07/28/1999	THORIUM-230	2.8	0.62	PCI/G
SC-23223-S-01	07/28/1999	URANIUM-238	1.37	2 74	PCI/G
SC-23223-S-RS	05/01/2000	2,4,6-TRINITROTOLUENE	0.4	0.24	UG/G
SC-23224-S	06/07/1999	RADIUM-226	0.97	0 34	PCI/G
SC-23224-S	06/07/1999	RADIUM-228	0 49	0 98	PCI/G
SC-23224-S	06/07/1999	THORIUM-230	3 65	0.62	PCI/G
SC-23224-S	06/07/1999	URANIUM-238	1 415	2.83	PCI/G
SC-23224-S-01	07/19/1999	RADIUM-226	0.61	0.39	PCI/G
SC-23224-S-01	07/19/1999	RADIUM-228	0 49	0.98	PCI/G
SC-23224-S-01	07/19/1999	THORIUM-230	1.5	0.65	PCI/G
SC-23224-S-01	07/19/1999	URANIUM-238	1 41	2.82	PCI/G
SC-23301-C	11/12/1999	2,4,6-TRINITROTOLUENE	0.34	0 032	UG/G
SC-23301-C	11/12/1999	2,4-DINITROTOLUENE	2.3	0 045	UG/G
SC-23301-C	11/12/1999	2,6-DINITROTOLUENE	1.4	0 14	UG/G
SC-23301-S	07/24/1999	RADIUM-226	0.73	0 35	PCI/G
SC-23301-S	07/24/1999	RADIUM-228	1.35	0.45	PCI/G
SC-23301-S	07/24/1999	THORIUM-230	1.47	0 62	PCI/G
SC-23301-S	07/24/1999	URANIUM-238	1 425	2 85	PCI/G
SC-23301-S-RS	11/12/1999	2,4,6-TRINITROTOLUENE	1	0 3	UG/G
SC-23301-S-RS	11/12/1999	2,4-DINITROTOLUENE	15	0 43	UG/G
SC-23301-S-RS	11/12/1999	2,6-DINITROTOLUENE	3.4	1 3	UG/G
SC-23301-U	11/12/1999	2,4,6-TRINITROTOLUENE	3 5	0 3	UG/G
SC-23301-U	11/12/1999	2,4-DINITROTOLUENE	13	0 43	UG/G
SC-23301-U	11/12/1999	2,6-DINITROTOLUENE	6.8	1 3	UG/G
SC-23302-S	07/24/1999	RADIUM-226	0.91	0 31	PCI/G
SC-23302-S	07/24/1999	RADIUM-228	0.52	1 04	PCI/G
SC-23302-S	07/24/1999	THORIUM-230	1 16	0 62	PCI/G
SC-23302-S	07/24/1999	URANIUM-238	1.26	2 52	PCI/G
SC-23303-S	07/24/1999	RADIUM-226	0.86	0 31	PCI/G
SC-23303-S	07/24/1999	RADIUM-228	1.22	0 42	PCI/G
SC-23303-S	07/24/1999	THORIUM-230	1.27	0.64	PCI/G
SC-23303-S	07/24/1999	URANIUM-238	1.28	2 56	PCI/G
SC-23304-S	06/07/1999	RADIUM-226	1 03	0 3	PCI/G
SC-23304-S	06/07/1999	RADIUM-228	1 19	0 46	PCI/G
SC-23304-S	06/07/1999	THORIUM-230	10.3	0 65	PCI/G
SC-23304-S	06/07/1999	URANIUM-238	1 5	3	PCI/G
SC-23304-S-01	07/19/1999	RADIUM-226	0 96	0 31	PCI/G
SC-23304-S-01	07/19/1999	RADIUM-228	1 11	0 4	PCI/G
SC-23304-S-01	07/19/1999	THORIUM-230	3.5	0 62	PCI/G
SC-23304-S-01	07/19/1999	URANIUM-238	1 4	2 8	PCI/G
SC-23305-S	07/24/1999	RADIUM-226	0 84	0 25	PCI/G
SC-23305-S	07/24/1999	RADIUM-228	1 09	0 46	PCI/G
SC-23305-S	07/24/1999	THORIUM-230	1 11	0 64	PCI/G
SC-23305-S	07/24/1999	URANIUM-238	1 215	2 43	PCI/G
SC-23306-S	07/24/1999	RADIUM-226	1 14	0.28	PCI/G
SC-23306-S	07/24/1999	RADIUM-228	1.06	0 4	PCI/G
SC-23306-S	07/24/1999	THORIUM-230	9.53	0.62	PCI/G
SC-23306-S	07/24/1999	URANIUM-238	1 43	2.32	PCI/G
SC-23307-S	07/24/1999	RADIUM-226	0.315	0.63	PCI/G
SC-23307-S	07/24/1999	RADIUM-228	1.22	0 42	PCI/G
SC-23307-S	07/24/1999	THORIUM-230	2.52	0.62	PCI/G
SC-23307-S	07/24/1999	URANIUM-238	1 225	2 45	PCI/G
SC-23308-S-01	07/19/1999	RADIUM-226	0.98	0.29	PCI/G
SC-23308-S-01	07/19/1999	RADIUM-228	0.89	0 51	PCI/G
SC-23308-S-01	07/19/1999	THORIUM-230	1 41	0.66	PCI/G
SC-23308-S-01	07/19/1999	URANIUM-238	1.325	2.65	PCI/G
SC-23309-S	07/24/1999	RADIUM-226	1.07	0 3	PCI/G
SC-23309-S	07/24/1999	RADIUM-228	1 3	0.38	PCI/G
SC-23309-S	07/24/1999	THORIUM-230	1 31	0 64	PCI/G
SC-23309-S	07/24/1999	URANIUM-238	1.245	2 49	PCI/G
SC-23310-S	07/24/1999	RADIUM-226	0.87	0 37	PCI/G
SC-23310-S	07/24/1999	RADIUM-228	0.435	0 87	PCI/G
SC-23310-S	07/24/1999	THORIUM-230	1.3	0 64	PCI/G
SC-23310-S	07/24/1999	URANIUM-238	1 34	2 68	PCI/G

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SC-23311-S	07/24/1999	RADIUM-226		0.9	0.28 PCI/G
SC-23311-S	07/24/1999	RADIUM-228		0.95	0.44 PCI/G
SC-23311-S	07/24/1999	THORIUM-230		1.26	0.62 PCI/G
SC-23311-S	07/24/1999	URANIUM-238		1.23	2.46 PCI/G
SC-23312-S	07/19/1999	RADIUM-226		1.13	0.29 PCI/G
SC-23312-S	07/19/1999	RADIUM-228		1.11	0.47 PCI/G
SC-23312-S	07/19/1999	THORIUM-230		1.24	0.64 PCI/G
SC-23312-S	07/19/1999	URANIUM-238		1.3	2.6 PCI/G
SC-23313-S	07/24/1999	RADIUM-226		0.75	0.21 PCI/G
SC-23313-S	07/24/1999	RADIUM-228		1.25	0.34 PCI/G
SC-23313-S	07/24/1999	THORIUM-230		3.1	0.62 PCI/G
SC-23313-S	07/24/1999	URANIUM-238		0.97	1.94 PCI/G
SC-23314-S	07/24/1999	RADIUM-226		0.82	0.29 PCI/G
SC-23314-S	07/24/1999	RADIUM-228		1.02	0.41 PCI/G
SC-23314-S	07/24/1999	THORIUM-230		2.08	0.64 PCI/G
SC-23314-S	07/24/1999	URANIUM-238		1.34	2.68 PCI/G
SC-23315-S	07/24/1999	RADIUM-226		1.24	0.34 PCI/G
SC-23315-S	07/24/1999	RADIUM-228		0.45	0.9 PCI/G
SC-23315-S	07/24/1999	THORIUM-230		1.4	0.64 PCI/G
SC-23315-S	07/24/1999	URANIUM-238		1.275	2.55 PCI/G
SC-23316-S	07/19/1999	RADIUM-226		1.76	0.28 PCI/G
SC-23316-S	07/19/1999	RADIUM-228		0.94	0.47 PCI/G
SC-23316-S	07/19/1999	THORIUM-230		1.2	0.65 PCI/G
SC-23316-S	07/19/1999	URANIUM-238		1.35	2.7 PCI/G
SC-23317-S	07/24/1999	RADIUM-226		3.23	0.35 PCI/G
SC-23317-S	07/24/1999	RADIUM-228		1.2	0.52 PCI/G
SC-23317-S	07/24/1999	THORIUM-230		2.1	0.62 PCI/G
SC-23317-S	07/24/1999	URANIUM-238		1.51	3.02 PCI/G
SC-23318-S	07/24/1999	RADIUM-226		0.64	0.28 PCI/G
SC-23318-S	07/24/1999	RADIUM-228		0.97	0.4 PCI/G
SC-23318-S	07/24/1999	THORIUM-230		1.04	0.62 PCI/G
SC-23318-S	07/24/1999	URANIUM-238		1.295	2.59 PCI/G
SC-23319-S	07/24/1999	RADIUM-226		0.97	0.25 PCI/G
SC-23319-S	07/24/1999	RADIUM-228		1.14	0.35 PCI/G
SC-23319-S	07/24/1999	THORIUM-230		1.03	0.64 PCI/G
SC-23319-S	07/24/1999	URANIUM-238		1.305	2.61 PCI/G
SC-23320-S	07/19/1999	RADIUM-226		4.88	0.48 PCI/G
SC-23320-S	07/19/1999	RADIUM-228		0.595	1.19 PCI/G
SC-23320-S	07/19/1999	THORIUM-230		104	0.62 PCI/G
SC-23320-S	07/19/1999	URANIUM-238		7.21	5.04 PCI/G
SC-23320-S-RS	07/22/1999	RADIUM-226		0.96	0.31 PCI/G
SC-23320-S-RS	07/22/1999	RADIUM-228		0.475	0.95 PCI/G
SC-23320-S-RS	07/22/1999	THORIUM-230		1.81	0.65 PCI/G
SC-23401-S	07/24/1999	RADIUM-226		0.71	0.36 PCI/G
SC-23401-S	07/24/1999	RADIUM-228		1.44	0.63 PCI/G
SC-23401-S	07/24/1999	THORIUM-230		1.45	0.64 PCI/G
SC-23401-S	07/24/1999	URANIUM-238		1.275	2.55 PCI/G
SC-23401-S-RS	07/08/2000	2,4,6-TRINITROTOLUENE		0.15	0.3 UG/G
SC-23401-S-RS	07/08/2000	2,4-DINITROTOLUENE		0.15	0.3 UG/G
SC-23402-S	07/24/1999	RADIUM-226		0.91	0.28 PCI/G
SC-23402-S	07/24/1999	RADIUM-228		1.13	0.41 PCI/G
SC-23402-S	07/24/1999	THORIUM-230		5.44	0.62 PCI/G
SC-23402-S	07/24/1999	URANIUM-238		1.355	2.71 PCI/G
SC-23402-S-RS	07/08/2000	2,4,6-TRINITROTOLUENE		0.155	0.31 UG/G
SC-23402-S-RS	07/08/2000	2,4-DINITROTOLUENE		0.155	0.31 UG/G
SC-23403-S	07/24/1999	RADIUM-226		0.92	0.36 PCI/G
SC-23403-S	07/24/1999	RADIUM-228		0.46	0.92 PCI/G
SC-23403-S	07/24/1999	THORIUM-230		1.23	0.62 PCI/G
SC-23403-S	07/24/1999	URANIUM-238		1.145	2.29 PCI/G
SC-23403-S-RS	07/08/2000	2,4,6-TRINITROTOLUENE		0.16	0.32 UG/G
SC-23403-S-RS	07/08/2000	2,4-DINITROTOLUENE		0.16	0.32 UG/G
SC-23404-S	07/24/1999	RADIUM-226		0.83	0.32 PCI/G
SC-23404-S	07/24/1999	RADIUM-228		1.12	0.46 PCI/G
SC-23404-S	07/24/1999	THORIUM-230		1.15	0.64 PCI/G
SC-23404-S	07/24/1999	URANIUM-238		1.265	2.53 PCI/G
SC-23405-S	07/24/1999	RADIUM-226		0.78	0.32 PCI/G
SC-23405-S	07/24/1999	RADIUM-228		0.455	0.91 PCI/G
SC-23405-S	07/24/1999	THORIUM-230		1.07	0.64 PCI/G
SC-23405-S	07/24/1999	URANIUM-238		1.315	2.63 PCI/G
SC-23405-S-RS	06/10/2000	2,4,6-TRINITROTOLUENE		0.06	0.12 UG/G
SC-23405-S-RS	06/10/2000	2,4-DINITROTOLUENE		0.06	0.12 UG/G
SC-23406-S	07/24/1999	RADIUM-226		0.74	0.26 PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23406-S	07/24/1999	RADIUM-228	1.07	0 39	PCI/G
SC-23406-S	07/24/1999	THORIUM-230	1.57	0.62	PCI/G
SC-23406-S	07/24/1999	URANIUM-238	1.305	2 61	PCI/G
SC-23406-S-RS	07/08/2000	2,4,6-TRINITROTOLUENE	0.165	0 33	UG/G
SC-23406-S-RS	07/08/2000	2,4-DINITROTOLUENE	0 165	0 33	UG/G
SC-23407-S	07/24/1999	RADIUM-226	0 79	0.32	PCI/G
SC-23407-S	07/24/1999	RADIUM-228	0.495	0.99	PCI/G
SC-23407-S	07/24/1999	THORIUM-230	1 16	0 62	PCI/G
SC-23407-S	07/24/1999	URANIUM-238	1.25	2.5	PCI/G
SC-23407-S-RS	07/08/2000	2,4,6-TRINITROTOLUENE	0.17	0.34	UG/G
SC-23407-S-RS	07/08/2000	2,4-DINITROTOLUENE	0.17	0.34	UG/G
SC-23408-S	07/24/1999	RADIUM-226	0.82	0.22	PCI/G
SC-23408-S	07/24/1999	RADIUM-228	1.25	0.38	PCI/G
SC-23408-S	07/24/1999	THORIUM-230	1.19	0.64	PCI/G
SC-23408-S	07/24/1999	URANIUM-238	1.345	2.69	PCI/G
SC-23408-S-RS	07/08/2000	2,4,6-TRINITROTOLUENE	0.155	0.31	UG/G
SC-23408-S-RS	07/08/2000	2,4-DINITROTOLUENE	0.155	0.31	UG/G
SC-23409-S	07/24/1999	RADIUM-226	0.87	0.38	PCI/G
SC-23409-S	07/24/1999	RADIUM-228	0.445	0.89	PCI/G
SC-23409-S	07/24/1999	THORIUM-230	1.37	0.64	PCI/G
SC-23409-S	07/24/1999	URANIUM-238	1.24	2 48	PCI/G
SC-23409-S-RS	06/10/2000	2,4,6-TRINITROTOLUENE	0.06	0 12	UG/G
SC-23409-S-RS	06/10/2000	2,4-DINITROTOLUENE	0.06	0 12	UG/G
SC-23410-S	07/24/1999	RADIUM-226	0.73	0.26	PCI/G
SC-23410-S	07/24/1999	RADIUM-228	0 97	0 45	PCI/G
SC-23410-S	07/24/1999	THORIUM-230	2.15	0 62	PCI/G
SC-23410-S	07/24/1999	URANIUM-238	1 305	2 61	PCI/G
SC-23410-S-RS	06/10/2000	2,4,6-TRINITROTOLUENE	0 06	0.12	UG/G
SC-23410-S-RS	06/10/2000	2,4-DINITROTOLUENE	0.06	0.12	UG/G
SC-23411-S	07/24/1999	RADIUM-226	1 05	0 29	PCI/G
SC-23411-S	07/24/1999	RADIUM-228	0 435	0 87	PCI/G
SC-23411-S	07/24/1999	THORIUM-230	2.71	0 62	PCI/G
SC-23411-S	07/24/1999	URANIUM-238	1 215	2 43	PCI/G
SC-23411-S-RS	07/08/2000	2,4,6-TRINITROTOLUENE	0 155	0.31	UG/G
SC-23411-S-RS	07/08/2000	2,4-DINITROTOLUENE	0.155	0 31	UG/G
SC-23412-S	07/24/1999	RADIUM-226	0 85	0 32	PCI/G
SC-23412-S	07/24/1999	RADIUM-228	0 38	0 76	PCI/G
SC-23412-S	07/24/1999	THORIUM-230	0 96	0 64	PCI/G
SC-23412-S	07/24/1999	URANIUM-238	1.28	2 56	PCI/G
SC-23412-S-RS	07/08/2000	2,4,6-TRINITROTOLUENE	0 16	0 32	UG/G
SC-23412-S-RS	07/08/2000	2,4-DINITROTOLUENE	0 16	0.32	UG/G
SC-23413-S	07/24/1999	RADIUM-226	0 85	0 4	PCI/G
SC-23413-S	07/24/1999	RADIUM-228	0 45	0 9	PCI/G
SC-23413-S	07/24/1999	THORIUM-230	17	0 64	PCI/G
SC-23413-S	07/24/1999	URANIUM-238	1 3	2 6	PCI/G
SC-23413-S-RS	07/31/1999	THORIUM-230	0 83	0 62	PCI/G
SC-23414-S	07/24/1999	RADIUM-226	0 92	0 29	PCI/G
SC-23414-S	07/24/1999	RADIUM-228	1 02	0.42	PCI/G
SC-23414-S	07/24/1999	THORIUM-230	4.46	0.64	PCI/G
SC-23414-S	07/24/1999	URANIUM-238	1 305	2.61	PCI/G
SC-23414-S-RS	06/10/2000	2,4,6-TRINITROTOLUENE	0.06	0 12	UG/G
SC-23414-S-RS	06/10/2000	2,4-DINITROTOLUENE	0.06	0 12	UG/G
SC-23415-S	07/24/1999	RADIUM-226	0.99	0.29	PCI/G
SC-23415-S	07/24/1999	RADIUM-228	0.475	0.95	PCI/G
SC-23415-S	07/24/1999	THORIUM-230	2 41	0 62	PCI/G
SC-23415-S	07/24/1999	URANIUM-238	1.165	2 33	PCI/G
SC-23415-S-RS	06/10/2000	2,4,6-TRINITROTOLUENE	0.06	0 12	UG/G
SC-23415-S-RS	06/10/2000	2,4-DINITROTOLUENE	0.06	0 12	UG/G
SC-23416-S	07/24/1999	RADIUM-226	0.75	0 26	PCI/G
SC-23416-S	07/24/1999	RADIUM-228	1 16	0 45	PCI/G
SC-23416-S	07/24/1999	THORIUM-230	1 01	0.64	PCI/G
SC-23416-S	07/24/1999	URANIUM-238	1.26	2.52	PCI/G
SC-23417-S	07/24/1999	RADIUM-226	0.93	0.34	PCI/G
SC-23417-S	07/24/1999	RADIUM-228	1 18	0 47	PCI/G
SC-23417-S	07/24/1999	THORIUM-230	2.84	0.64	PCI/G
SC-23417-S	07/24/1999	URANIUM-238	1.215	2 43	PCI/G
SC-23418-S	07/24/1999	RADIUM-226	0 74	0 31	PCI/G
SC-23418-S	07/24/1999	RADIUM-228	1 4	0 42	PCI/G
SC-23418-S	07/24/1999	THORIUM-230	9 09	0.62	PCI/G
SC-23418-S	07/24/1999	URANIUM-238	1.3	2 6	PCI/G
SC-23419-S	07/24/1999	RADIUM-226	1.07	0 29	PCI/G
SC-23419-S	07/24/1999	RADIUM-228	0 445	0 89	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23419-S	07/24/1999	THORIUM-230	5.87	0.62	PCI/G
SC-23419-S	07/24/1999	URANIUM-238	1.4	2.8	PCI/G
SC-23420-S	07/24/1999	RADIUM-226	0.95	0.28	PCI/G
SC-23420-S	07/24/1999	RADIUM-228	1.22	0.39	PCI/G
SC-23420-S	07/24/1999	THORIUM-230	7.94	0.64	PCI/G
SC-23420-S	07/24/1999	URANIUM-238	1.305	2.61	PCI/G
SC-23501-S	08/02/1999	RADIUM-226	0.315	0.63	PCI/G
SC-23501-S	08/02/1999	RADIUM-228	0.455	0.91	PCI/G
SC-23501-S	08/02/1999	THORIUM-230	1.13	0.64	PCI/G
SC-23501-S	08/02/1999	URANIUM-238	1.155	2.31	PCI/G
SC-23502-S	08/02/1999	RADIUM-226	0.82	0.26	PCI/G
SC-23502-S	08/02/1999	RADIUM-228	0.97	0.42	PCI/G
SC-23502-S	08/02/1999	THORIUM-230	1.54	0.64	PCI/G
SC-23502-S	08/02/1999	URANIUM-238	1.28	2.56	PCI/G
SC-23503-S	08/02/1999	RADIUM-226	1.66	0.32	PCI/G
SC-23503-S	08/02/1999	RADIUM-228	1.06	0.48	PCI/G
SC-23503-S	08/02/1999	THORIUM-230	53.7	0.64	PCI/G
SC-23503-S	08/02/1999	URANIUM-238	3.12	2.87	PCI/G
SC-23503-S-RS	08/06/1999	THORIUM-230	0.83	0.64	PCI/G
SC-23504-S	08/02/1999	RADIUM-226	0.75	0.34	PCI/G
SC-23504-S	08/02/1999	RADIUM-228	0.48	0.96	PCI/G
SC-23504-S	08/02/1999	THORIUM-230	2.86	0.64	PCI/G
SC-23504-S	08/02/1999	URANIUM-238	1.275	2.55	PCI/G
SC-23505-S	08/02/1999	RADIUM-226	0.78	0.26	PCI/G
SC-23505-S	08/02/1999	RADIUM-228	1.14	0.47	PCI/G
SC-23505-S	08/02/1999	THORIUM-230	1.65	0.64	PCI/G
SC-23505-S	08/02/1999	URANIUM-238	1.24	2.48	PCI/G
SC-23506-S	08/02/1999	RADIUM-226	0.84	0.29	PCI/G
SC-23506-S	08/02/1999	RADIUM-228	1.02	0.57	PCI/G
SC-23506-S	08/02/1999	THORIUM-230	1.08	0.64	PCI/G
SC-23506-S	08/02/1999	URANIUM-238	1.205	2.41	PCI/G
SC-23507-S	08/02/1999	RADIUM-226	0.58	0.25	PCI/G
SC-23507-S	08/02/1999	RADIUM-228	1	0.41	PCI/G
SC-23507-S	08/02/1999	THORIUM-230	1.53	0.64	PCI/G
SC-23507-S	08/02/1999	URANIUM-238	1.17	2.34	PCI/G
SC-23508-S	08/02/1999	RADIUM-226	0.305	0.61	PCI/G
SC-23508-S	08/02/1999	RADIUM-228	0.475	0.95	PCI/G
SC-23508-S	08/02/1999	THORIUM-230	0.88	0.64	PCI/G
SC-23508-S	08/02/1999	URANIUM-238	1.225	2.45	PCI/G
SC-23508-S-RS	06/10/2000	2,4,6-TRINITROTOLUENE	0.06	0.12	UG/G
SC-23508-S-RS	06/10/2000	2,4-DINITROTOLUENE	0.06	0.12	UG/G
SC-23509-S	07/24/1999	RADIUM-226	0.295	0.59	PCI/G
SC-23509-S	07/24/1999	RADIUM-228	0.49	0.98	PCI/G
SC-23509-S	07/24/1999	THORIUM-230	4.76	0.64	PCI/G
SC-23509-S	07/24/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23510-S	07/24/1999	RADIUM-226	0.69	0.28	PCI/G
SC-23510-S	07/24/1999	RADIUM-228	1.09	0.37	PCI/G
SC-23510-S	07/24/1999	THORIUM-230	1.06	0.62	PCI/G
SC-23510-S	07/24/1999	URANIUM-238	1.28	2.56	PCI/G
SC-23511-S	07/24/1999	RADIUM-226	0.88	0.29	PCI/G
SC-23511-S	07/24/1999	RADIUM-228	1.24	0.57	PCI/G
SC-23511-S	07/24/1999	THORIUM-230	0.88	0.62	PCI/G
SC-23511-S	07/24/1999	URANIUM-238	1.26	2.52	PCI/G
SC-23512-S	07/24/1999	RADIUM-226	0.64	0.24	PCI/G
SC-23512-S	07/24/1999	RADIUM-228	1.04	0.42	PCI/G
SC-23512-S	07/24/1999	THORIUM-230	1.08	0.64	PCI/G
SC-23512-S	07/24/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23513-S	07/24/1999	RADIUM-226	0.65	0.34	PCI/G
SC-23513-S	07/24/1999	RADIUM-228	0.435	0.87	PCI/G
SC-23513-S	07/24/1999	THORIUM-230	2.08	0.64	PCI/G
SC-23513-S	07/24/1999	URANIUM-238	1.355	2.71	PCI/G
SC-23514-S	07/24/1999	RADIUM-226	0.73	0.29	PCI/G
SC-23514-S	07/24/1999	RADIUM-228	1.26	0.4	PCI/G
SC-23514-S	07/24/1999	THORIUM-230	1.02	0.62	PCI/G
SC-23514-S	07/24/1999	URANIUM-238	1.32	2.64	PCI/G
SC-23515-S	07/24/1999	RADIUM-226	0.68	0.28	PCI/G
SC-23515-S	07/24/1999	RADIUM-228	0.485	0.97	PCI/G
SC-23515-S	07/24/1999	THORIUM-230	1.96	0.62	PCI/G
SC-23515-S	07/24/1999	URANIUM-238	1.275	2.55	PCI/G
SC-23516-S	07/24/1999	RADIUM-226	0.81	0.25	PCI/G
SC-23516-S	07/24/1999	RADIUM-228	1.24	0.42	PCI/G
SC-23516-S	07/24/1999	THORIUM-230	1.04	0.64	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23516-S	07/24/1999	URANIUM-238	1.23	2 46	PCI/G
SC-23517-S	07/24/1999	RADIUM-226	0.99	0 32	PCI/G
SC-23517-S	07/24/1999	RADIUM-228	1 51	0 46	PCI/G
SC-23517-S	07/24/1999	THORIUM-230	8.79	0.64	PCI/G
SC-23517-S	07/24/1999	URANIUM-238	1.265	2 53	PCI/G
SC-23517-S-RS	07/31/1999	THORIUM-230	0.96	0 62	PCI/G
SC-23518-S	07/24/1999	RADIUM-226	0.62	0.31	PCI/G
SC-23518-S	07/24/1999	RADIUM-228	1.22	0.44	PCI/G
SC-23518-S	07/24/1999	THORIUM-230	1.84	0.62	PCI/G
SC-23518-S	07/24/1999	URANIUM-238	1.3	2 6	PCI/G
SC-23519-S	07/24/1999	RADIUM-226	0.29	0.58	PCI/G
SC-23519-S	07/24/1999	RADIUM-228	1.24	0 47	PCI/G
SC-23519-S	07/24/1999	THORIUM-230	1.36	0 62	PCI/G
SC-23519-S	07/24/1999	URANIUM-238	1 3	2 6	PCI/G
SC-23520-S	07/24/1999	RADIUM-226	2.61	0 34	PCI/G
SC-23520-S	07/24/1999	RADIUM-228	1.22	0.48	PCI/G
SC-23520-S	07/24/1999	THORIUM-230	69	0.64	PCI/G
SC-23520-S	07/24/1999	URANIUM-238	1.68	3.36	PCI/G
SC-23520-S-RS	07/31/1999	THORIUM-230	1	0.64	PCI/G
SC-23602-S	03/31/1999	2,4,6-TRINITROTOLUENE	0.0037	0 0074	UG/G
SC-23602-S	03/31/1999	PCB	0	40	UG/KG
SC-23602-S	03/31/1999	ARSENIC	7	0 45	UG/G
SC-23602-S	03/31/1999	PAH	0	43	UG/KG
SC-23602-S	03/31/1999	CHROMIUM	20.1	0 4	UG/G
SC-23602-S	03/31/1999	LEAD	10 9	0 3	UG/G
SC-23602-S	03/31/1999	RADIUM-226	1 43	0 32	PCI/G
SC-23602-S	03/31/1999	RADIUM-228	0 465	0 93	PCI/G
SC-23602-S	03/31/1999	THALLIUM	4 2	0.7	UG/G
SC-23602-S	03/31/1999	THORIUM-230	1.51	0.62	PCI/G
SC-23602-S	03/31/1999	URANIUM-238	5 41	3 58	PCI/G
SC-23602-S-01	07/27/1999	RADIUM-226	1.33	0.29	PCI/G
SC-23602-S-01	07/27/1999	RADIUM-228	0.51	1 02	PCI/G
SC-23602-S-01	07/27/1999	THORIUM-230	1 57	0.64	PCI/G
SC-23602-S-01	07/27/1999	URANIUM-238	6.62	3 57	PCI/G
SC-23603-S	03/31/1999	2,4,6-TRINITROTOLUENE	0 0036	0 0072	UG/G
SC-23603-S	03/31/1999	PCB	0	40	UG/KG
SC-23603-S	03/31/1999	ARSENIC	7 4	0 44	UG/G
SC-23603-S	03/31/1999	PAH	0	43	UG/KG
SC-23603-S	03/31/1999	CHROMIUM	15 3	0 4	UG/G
SC-23603-S	03/31/1999	LEAD	10 7	0 3	UG/G
SC-23603-S	03/31/1999	RADIUM-226	1.44	0 36	PCI/G
SC-23603-S	03/31/1999	RADIUM-228	1.09	0 42	PCI/G
SC-23603-S	03/31/1999	THALLIUM	1.7	3 4	UG/G
SC-23603-S	03/31/1999	THORIUM-230	1 61	0.62	PCI/G
SC-23603-S	03/31/1999	URANIUM-238	4 57	2 49	PCI/G
SC-23603-S-01	07/27/1999	RADIUM-226	1 04	0 34	PCI/G
SC-23603-S-01	07/27/1999	RADIUM-228	1 04	0 4	PCI/G
SC-23603-S-01	07/27/1999	THORIUM-230	2 21	0 62	PCI/G
SC-23603-S-01	07/27/1999	URANIUM-238	7 99	2 52	PCI/G
SC-23604-S	02/22/1999	2,4,6-TRINITROTOLUENE	0 00355	0.0071	UG/G
SC-23604-S	02/22/1999	PCB	120	40	UG/KG
SC-23604-S	02/22/1999	ARSENIC	8	0 6	UG/G
SC-23604-S	02/22/1999	PAH	0	42	UG/KG
SC-23604-S	02/22/1999	CHROMIUM	16 4	0 43	UG/G
SC-23604-S	02/22/1999	LEAD	21 5	0 39	UG/G
SC-23604-S	02/22/1999	RADIUM-226	1.31	0 34	PCI/G
SC-23604-S	02/22/1999	RADIUM-228	0 49	0 98	PCI/G
SC-23604-S	02/22/1999	THORIUM-230	2.52	0.62	PCI/G
SC-23604-S	02/22/1999	URANIUM-238	6.89	3.34	PCI/G
SC-23604-S-01	07/27/1999	RADIUM-226	1 42	0.35	PCI/G
SC-23604-S-01	07/27/1999	RADIUM-228	0.495	0.99	PCI/G
SC-23604-S-01	07/27/1999	THORIUM-230	2 31	0.62	PCI/G
SC-23604-S-01	07/27/1999	URANIUM-238	5 51	3	PCI/G
SC-23606-C	03/31/1999	2,4,6-TRINITROTOLUENE	0.00375	0 0075	UG/G
SC-23606-C	03/31/1999	PCB	0	43	UG/KG
SC-23606-C	03/31/1999	ARSENIC	12.4	0 46	UG/G
SC-23606-C	03/31/1999	PAH	0	45	UG/KG
SC-23606-C	03/31/1999	CHROMIUM	26 4	0 41	UG/G
SC-23606-C	03/31/1999	LEAD	15 5	0 31	UG/G
SC-23606-C	03/31/1999	RADIUM-226	1 27	0 35	PCI/G
SC-23606-C	03/31/1999	RADIUM-228	1 27	0 53	PCI/G
SC-23606-C	03/31/1999	THALLIUM	6 6	0 72	UG/G

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SC-23606-C	03/31/1999	THORIUM-230	1.11	0.62	PCI/G
SC-23606-C	03/31/1999	URANIUM-238	1.4	2.8	PCI/G
SC-23606-C-01	07/27/1999	RADIUM-226	0.86	0.32	PCI/G
SC-23606-C-01	07/27/1999	RADIUM-228	0.445	0.89	PCI/G
SC-23606-C-01	07/27/1999	THORIUM-230	2.18	0.64	PCI/G
SC-23606-C-01	07/27/1999	URANIUM-238	1.725	3.45	PCI/G
SC-23606-S	04/05/1999	2,4,6-TRINITROTOLUENE	0.013	0.026	UG/G
SC-23606-S	04/05/1999	PCB	0	36	UG/KG
SC-23606-S	04/05/1999	ARSENIC	7.4	0.39	UG/G
SC-23606-S	04/05/1999	PAH	0	16	UG/KG
SC-23606-S	04/05/1999	CHROMIUM	7.5	0.35	UG/G
SC-23606-S	04/05/1999	LEAD	8.4	0.26	UG/G
SC-23606-S	04/05/1999	RADIUM-226	1.15	0.32	PCI/G
SC-23606-S	04/05/1999	RADIUM-228	0.445	0.89	PCI/G
SC-23606-S	04/05/1999	THORIUM-230	1.3	0.62	PCI/G
SC-23606-S	04/05/1999	URANIUM-238	1.31	2.62	PCI/G
SC-23606-S-01	07/27/1999	RADIUM-226	0.91	0.29	PCI/G
SC-23606-S-01	07/27/1999	RADIUM-228	0.92	0.41	PCI/G
SC-23606-S-01	07/27/1999	THORIUM-230	1.74	0.64	PCI/G
SC-23606-S-01	07/27/1999	URANIUM-238	3.34	2.23	PCI/G
SC-23607-S	03/31/1999	2,4,6-TRINITROTOLUENE	0.00345	0.0069	UG/G
SC-23607-S	03/31/1999	PCB	0	39	UG/KG
SC-23607-S	03/31/1999	ARSENIC	11.7	0.43	UG/G
SC-23607-S	03/31/1999	PAH	0	41	UG/KG
SC-23607-S	03/31/1999	CHROMIUM	17.6	0.38	UG/G
SC-23607-S	03/31/1999	LEAD	17.5	0.28	UG/G
SC-23607-S	03/31/1999	RADIUM-226	1.21	0.31	PCI/G
SC-23607-S	03/31/1999	RADIUM-228	1.37	0.43	PCI/G
SC-23607-S	03/31/1999	THALLIUM	4.8	0.66	UG/G
SC-23607-S	03/31/1999	THORIUM-230	1.24	0.62	PCI/G
SC-23607-S	03/31/1999	URANIUM-238	1.335	2.67	PCI/G
SC-23607-S-01	07/27/1999	RADIUM-226	0.3	0.6	PCI/G
SC-23607-S-01	07/27/1999	RADIUM-228	0.385	0.77	PCI/G
SC-23607-S-01	07/27/1999	THORIUM-230	0.81	0.62	PCI/G
SC-23607-S-01	07/27/1999	URANIUM-238	1.365	2.73	PCI/G
SC-23608-S	03/31/1999	2,4,6-TRINITROTOLUENE	0.00345	0.0069	UG/G
SC-23608-S	03/31/1999	PCB	0	40	UG/KG
SC-23608-S	03/31/1999	ARSENIC	7.9	0.43	UG/G
SC-23608-S	03/31/1999	PAH	0	42	UG/KG
SC-23608-S	03/31/1999	CHROMIUM	16.3	0.39	UG/G
SC-23608-S	03/31/1999	LEAD	13.1	0.29	UG/G
SC-23608-S	03/31/1999	RADIUM-226	1.17	0.35	PCI/G
SC-23608-S	03/31/1999	RADIUM-228	0.97	0.56	PCI/G
SC-23608-S	03/31/1999	THALLIUM	1.85	3.7	UG/G
SC-23608-S	03/31/1999	THORIUM-230	1.34	0.62	PCI/G
SC-23608-S	03/31/1999	URANIUM-238	1.455	2.91	PCI/G
SC-23608-S-01	07/27/1999	RADIUM-226	1.14	0.3	PCI/G
SC-23608-S-01	07/27/1999	RADIUM-228	1.05	0.39	PCI/G
SC-23608-S-01	07/27/1999	THORIUM-230	1.51	0.64	PCI/G
SC-23608-S-01	07/27/1999	URANIUM-238	3.34	2.29	PCI/G
SC-23609-S	03/31/1999	2,4,6-TRINITROTOLUENE	0.00335	0.0067	UG/G
SC-23609-S	03/31/1999	PCB	0	39	UG/KG
SC-23609-S	03/31/1999	ARSENIC	8.7	0.42	UG/G
SC-23609-S	03/31/1999	PAH	0	41	UG/KG
SC-23609-S	03/31/1999	CHROMIUM	15.7	0.37	UG/G
SC-23609-S	03/31/1999	LEAD	15	0.28	UG/G
SC-23609-S	03/31/1999	RADIUM-226	1.11	0.35	PCI/G
SC-23609-S	03/31/1999	RADIUM-228	1.06	0.42	PCI/G
SC-23609-S	03/31/1999	THALLIUM	1.75	3.5	UG/G
SC-23609-S	03/31/1999	THORIUM-230	1.46	0.62	PCI/G
SC-23609-S	03/31/1999	URANIUM-238	1.51	3.02	PCI/G
SC-23609-S-01	07/27/1999	RADIUM-226	0.93	0.34	PCI/G
SC-23609-S-01	07/27/1999	RADIUM-228	1.21	0.59	PCI/G
SC-23609-S-01	07/27/1999	THORIUM-230	1.97	0.62	PCI/G
SC-23609-S-01	07/27/1999	URANIUM-238	1.37	2.74	PCI/G
SC-23610-S	02/22/1999	2,4,6-TRINITROTOLUENE	0.0036	0.0072	UG/G
SC-23610-S	02/22/1999	PCB	200	40	UG/KG
SC-23610-S	02/22/1999	ARSENIC	8.2	0.61	UG/G
SC-23610-S	02/22/1999	PAH	0	42	UG/KG
SC-23610-S	02/22/1999	CHROMIUM	15.1	0.44	UG/G
SC-23610-S	02/22/1999	LEAD	15.2	0.39	UG/G
SC-23610-S	02/22/1999	RADIUM-226	1.35	0.35	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23610-S	02/22/1999	RADIUM-228	1.03	0.49	PCI/G
SC-23610-S	02/22/1999	THORIUM-230	1.77	0 62	PCI/G
SC-23610-S	02/22/1999	URANIUM-238	7 61	2.31	PCI/G
SC-23610-S-01	07/27/1999	RADIUM-226	0.86	0 33	PCI/G
SC-23610-S-01	07/27/1999	RADIUM-228	1.02	0 4	PCI/G
SC-23610-S-01	07/27/1999	THORIUM-230	1.61	0.62	PCI/G
SC-23610-S-01	07/27/1999	URANIUM-238	1.34	2.68	PCI/G
SC-23611-C	02/22/1999	2,4,6-TRINITROTOLUENE	0.00365	0 0073	UG/G
SC-23611-C	02/22/1999	PCB	0	40	UG/KG
SC-23611-C	02/22/1999	ARSENIC	6.7	0.61	UG/G
SC-23611-C	02/22/1999	PAH	0	42	UG/KG
SC-23611-C	02/22/1999	CHROMIUM	17.9	0.44	UG/G
SC-23611-C	02/22/1999	LEAD	15.6	0 39	UG/G
SC-23611-C	02/22/1999	RADIUM-226	1.39	0 31	PCI/G
SC-23611-C	02/22/1999	RADIUM-228	0 45	0.9	PCI/G
SC-23611-C	02/22/1999	THORIUM-230	1.02	0.62	PCI/G
SC-23611-C	02/22/1999	URANIUM-238	1.37	2.74	PCI/G
SC-23611-C-01	07/27/1999	RADIUM-226	0.91	0 34	PCI/G
SC-23611-C-01	07/27/1999	RADIUM-228	0 445	0.89	PCI/G
SC-23611-C-01	07/27/1999	THORIUM-230	1.54	0.64	PCI/G
SC-23611-C-01	07/27/1999	URANIUM-238	1.135	2.27	PCI/G
SC-23611-S	02/22/1999	2,4,6-TRINITROTOLUENE	0.0036	0.0072	UG/G
SC-23611-S	02/22/1999	PCB	92	40	UG/KG
SC-23611-S	02/22/1999	ARSENIC	6 2	0 6	UG/G
SC-23611-S	02/22/1999	PAH	0	42	UG/KG
SC-23611-S	02/22/1999	CHROMIUM	15	0 43	UG/G
SC-23611-S	02/22/1999	LEAD	14 7	0 39	UG/G
SC-23611-S	02/22/1999	RADIUM-226	1 46	0 27	PCI/G
SC-23611-S	02/22/1999	RADIUM-228	1 02	0.45	PCI/G
SC-23611-S	02/22/1999	THORIUM-230	2	0.62	PCI/G
SC-23611-S	02/22/1999	URANIUM-238	9 04	2.89	PCI/G
SC-23611-S-01	07/27/1999	RADIUM-226	0 91	0 3	PCI/G
SC-23611-S-01	07/27/1999	RADIUM-228	1 08	0 4	PCI/G
SC-23611-S-01	07/27/1999	THORIUM-230	1 11	0.64	PCI/G
SC-23611-S-01	07/27/1999	URANIUM-238	1 75	2 18	PCI/G
SC-23612-S	02/22/1999	2,4,6-TRINITROTOLUENE	0 0037	0 0074	UG/G
SC-23612-S	02/22/1999	PCB	0	41	UG/KG
SC-23612-S	02/22/1999	ARSENIC	5 3	0 61	UG/G
SC-23612-S	02/22/1999	PAH	0	43	UG/KG
SC-23612-S	02/22/1999	CHROMIUM	17.1	0 44	UG/G
SC-23612-S	02/22/1999	LEAD	11 6	0.39	UG/G
SC-23612-S	02/22/1999	RADIUM-226	1 39	0 28	PCI/G
SC-23612-S	02/22/1999	RADIUM-228	0.85	0 49	PCI/G
SC-23612-S	02/22/1999	THORIUM-230	0.87	0 62	PCI/G
SC-23612-S	02/22/1999	URANIUM-238	1 395	2 79	PCI/G
SC-23612-S-01	07/27/1999	RADIUM-226	0 9	0 28	PCI/G
SC-23612-S-01	07/27/1999	RADIUM-228	0.53	1 06	PCI/G
SC-23612-S-01	07/27/1999	THORIUM-230	1 65	0.62	PCI/G
SC-23612-S-01	07/27/1999	URANIUM-238	1.34	2 68	PCI/G
SC-23613-S	02/22/1999	2,4,6-TRINITROTOLUENE	0.0036	0 0072	UG/G
SC-23613-S	02/22/1999	PCB	0	40	UG/KG
SC-23613-S	02/22/1999	ARSENIC	4 4	0 61	UG/G
SC-23613-S	02/22/1999	PAH	0	42	UG/KG
SC-23613-S	02/22/1999	CHROMIUM	16 3	0 44	UG/G
SC-23613-S	02/22/1999	LEAD	8 4	0 39	UG/G
SC-23613-S	02/22/1999	RADIUM-226	1.13	0 38	PCI/G
SC-23613-S	02/22/1999	RADIUM-228	0 44	0 88	PCI/G
SC-23613-S	02/22/1999	THORIUM-230	0 97	0.62	PCI/G
SC-23613-S	02/22/1999	URANIUM-238	1 275	2.55	PCI/G
SC-23613-S-01	07/27/1999	RADIUM-226	1 01	0.3	PCI/G
SC-23613-S-01	07/27/1999	RADIUM-228	1	0 45	PCI/G
SC-23613-S-01	07/27/1999	THORIUM-230	1.11	0 62	PCI/G
SC-23613-S-01	07/27/1999	URANIUM-238	2.27	2.45	PCI/G
SC-23614-S	02/22/1999	2,4,6-TRINITROTOLUENE	0 00365	0 0073	UG/G
SC-23614-S	02/22/1999	PCB	0	41	UG/KG
SC-23614-S	02/22/1999	ARSENIC	7.9	0 61	UG/G
SC-23614-S	02/22/1999	PAH	920	42	UG/KG
SC-23614-S	02/22/1999	CHROMIUM	15.9	0 44	UG/G
SC-23614-S	02/22/1999	LEAD	18.6	0 39	UG/G
SC-23614-S	02/22/1999	RADIUM-226	1 16	0.33	PCI/G
SC-23614-S	02/22/1999	RADIUM-228	1 05	0 55	PCI/G
SC-23614-S	02/22/1999	THORIUM-230	2 71	0 62	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23614-S	02/22/1999	URANIUM-238	18	3.42	PCI/G
SC-23614-S-01	07/27/1999	RADIUM-226	1	0.26	PCI/G
SC-23614-S-01	07/27/1999	RADIUM-228	0.53	1.06	PCI/G
SC-23614-S-01	07/27/1999	THORIUM-230	1.59	0.64	PCI/G
SC-23614-S-01	07/27/1999	URANIUM-238	1.425	2.85	PCI/G
SC-23617-S	02/22/1999	2,4,6-TRINITROTOLUENE	0.0039	0.0078	UG/G
SC-23617-S	02/22/1999	PCB	0	44	UG/KG
SC-23617-S	02/22/1999	ARSENIC	9.7	0.66	UG/G
SC-23617-S	02/22/1999	PAH	0	46	UG/KG
SC-23617-S	02/22/1999	CHROMIUM	18.7	0.48	UG/G
SC-23617-S	02/22/1999	LEAD	22.8	0.42	UG/G
SC-23617-S	02/22/1999	RADIUM-226	1.06	0.38	PCI/G
SC-23617-S	02/22/1999	RADIUM-228	0.555	1.11	PCI/G
SC-23617-S	02/22/1999	THORIUM-230	1.49	0.62	PCI/G
SC-23617-S	02/22/1999	URANIUM-238	1.495	2.99	PCI/G
SC-23617-S-01	07/27/1999	RADIUM-226	0.98	0.27	PCI/G
SC-23617-S-01	07/27/1999	RADIUM-228	0.92	0.42	PCI/G
SC-23617-S-01	07/27/1999	THORIUM-230	1.49	0.64	PCI/G
SC-23617-S-01	07/27/1999	URANIUM-238	1.325	2.65	PCI/G
SC-23618-S	02/22/1999	2,4,6-TRINITROTOLUENE	0.00375	0.0075	UG/G
SC-23618-S	02/22/1999	PCB	0	42	UG/KG
SC-23618-S	02/22/1999	ARSENIC	7.1	0.64	UG/G
SC-23618-S	02/22/1999	PAH	0	44	UG/KG
SC-23618-S	02/22/1999	CHROMIUM	17.2	0.46	UG/G
SC-23618-S	02/22/1999	LEAD	10.8	0.41	UG/G
SC-23618-S	02/22/1999	RADIUM-226	0.95	0.28	PCI/G
SC-23618-S	02/22/1999	RADIUM-228	1.05	0.41	PCI/G
SC-23618-S	02/22/1999	THORIUM-230	1.06	0.62	PCI/G
SC-23618-S	02/22/1999	URANIUM-238	1.37	2.74	PCI/G
SC-23618-S-01	07/27/1999	RADIUM-226	0.95	0.31	PCI/G
SC-23618-S-01	07/27/1999	RADIUM-228	0.445	0.89	PCI/G
SC-23618-S-01	07/27/1999	THORIUM-230	1.53	0.62	PCI/G
SC-23618-S-01	07/27/1999	URANIUM-238	1.205	2.41	PCI/G
SC-23623-C	02/22/1999	2,4,6-TRINITROTOLUENE	0.0035	0.007	UG/G
SC-23623-C	02/22/1999	PCB	0	39	UG/KG
SC-23623-C	02/22/1999	ARSENIC	8	0.59	UG/G
SC-23623-C	02/22/1999	PAH	0	41	UG/KG
SC-23623-C	02/22/1999	CHROMIUM	18	0.42	UG/G
SC-23623-C	02/22/1999	LEAD	14.1	0.38	UG/G
SC-23623-C	02/22/1999	RADIUM-226	1.17	0.29	PCI/G
SC-23623-C	02/22/1999	RADIUM-228	0.495	0.99	PCI/G
SC-23623-C	02/22/1999	THORIUM-230	0.83	0.62	PCI/G
SC-23623-C	02/22/1999	URANIUM-238	1.37	2.74	PCI/G
SC-23623-C-01	07/27/1999	RADIUM-226	0.87	0.31	PCI/G
SC-23623-C-01	07/27/1999	RADIUM-228	1.15	0.44	PCI/G
SC-23623-C-01	07/27/1999	THORIUM-230	1.31	0.62	PCI/G
SC-23623-C-01	07/27/1999	URANIUM-238	1.28	2.56	PCI/G
SC-23625-C	02/18/1999	2,4,6-TRINITROTOLUENE	0.115	0.23	UG/G
SC-23625-C	02/18/1999	PCB	0	42	UG/KG
SC-23625-C	02/18/1999	ARSENIC	8.5	0.75	UG/G
SC-23625-C	02/18/1999	PAH	0	11	UG/KG
SC-23625-C	02/18/1999	CHROMIUM	15.9	0.14	UG/G
SC-23625-C	02/18/1999	LEAD	14.6	0.41	UG/G
SC-23625-C	02/18/1999	RADIUM-226	1.17	0.35	PCI/G
SC-23625-C	02/18/1999	RADIUM-228	0.47	0.94	PCI/G
SC-23625-C	02/18/1999	THORIUM-230	2.04	0.62	PCI/G
SC-23625-C	02/18/1999	URANIUM-238	1.525	3.05	PCI/G
SC-23625-C-01	07/27/1999	RADIUM-226	1.03	0.32	PCI/G
SC-23625-C-01	07/27/1999	RADIUM-228	0.5	1	PCI/G
SC-23625-C-01	07/27/1999	THORIUM-230	1.34	0.64	PCI/G
SC-23625-C-01	07/27/1999	URANIUM-238	1.505	3.01	PCI/G
SC-23625-S	02/18/1999	2,4,6-TRINITROTOLUENE	0.115	0.23	UG/G
SC-23625-S	02/18/1999	PCB	0	42	UG/KG
SC-23625-S	02/18/1999	ARSENIC	5.2	0.78	UG/G
SC-23625-S	02/18/1999	PAH	5.5	11	UG/KG
SC-23625-S	02/18/1999	CHROMIUM	13.8	0.14	UG/G
SC-23625-S	02/18/1999	LEAD	9.1	0.42	UG/G
SC-23625-S	02/18/1999	RADIUM-226	1.21	0.35	PCI/G
SC-23625-S	02/18/1999	RADIUM-228	1.13	0.44	PCI/G
SC-23625-S	02/18/1999	THORIUM-230	1.01	0.62	PCI/G
SC-23625-S	02/18/1999	URANIUM-238	1.34	2.68	PCI/G
SC-23625-S-01	07/27/1999	RADIUM-226	0.93	0.3	PCI/G

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SC-23625-S-01	07/27/1999	RADIUM-228	1 08	0 5	PCI/G
SC-23625-S-01	07/27/1999	THORIUM-230	1 22	0.64	PCI/G
SC-23625-S-01	07/27/1999	URANIUM-238	2.29	2 58	PCI/G
SC-23626-S	02/18/1999	2,4,6-TRINITROTOLUENE	0 12	0.24	UG/G
SC-23626-S	02/18/1999	PCB	2300	840	UG/KG
SC-23626-S	02/18/1999	ARSENIC	6.7	0 73	UG/G
SC-23626-S	02/18/1999	PAH	374	11	UG/KG
SC-23626-S	02/18/1999	CHROMIUM	11.1	0.13	UG/G
SC-23626-S	02/18/1999	LEAD	24	0.4	UG/G
SC-23626-S	02/18/1999	RADIUM-226	15.7	0 64	PCI/G
SC-23626-S	02/18/1999	RADIUM-228	0.59	1 18	PCI/G
SC-23626-S	02/18/1999	THORIUM-230	18	0 62	PCI/G
SC-23626-S	02/18/1999	URANIUM-238	23 7	6 69	PCI/G
SC-23626-S-01	07/27/1999	RADIUM-226	0 87	0 34	PCI/G
SC-23626-S-01	07/27/1999	RADIUM-228	1 16	0.43	PCI/G
SC-23626-S-01	07/27/1999	THORIUM-230	1 37	0.62	PCI/G
SC-23626-S-01	07/27/1999	URANIUM-238	3 3	3 72	PCI/G
SC-23626-S-RS	03/03/1999	RADIUM-226	1 09	0 39	PCI/G
SC-23626-S-RS	03/03/1999	RADIUM-228	0 48	0 96	PCI/G
SC-23626-S-RS	03/03/1999	THORIUM-230	0.97	0.62	PCI/G
SC-23626-S-RS	03/03/1999	URANIUM-238	1 33	2.66	PCI/G
SC-23627-S	02/18/1999	2,4,6-TRINITROTOLUENE	0 115	0.23	UG/G
SC-23627-S	02/18/1999	PCB	0	42	UG/KG
SC-23627-S	02/18/1999	ARSENIC	14.3	0 75	UG/G
SC-23627-S	02/18/1999	PAH	0	11	UG/KG
SC-23627-S	02/18/1999	CHROMIUM	13 4	0 14	UG/G
SC-23627-S	02/18/1999	LEAD	28 4	0 41	UG/G
SC-23627-S	02/18/1999	RADIUM-226	1.26	0 35	PCI/G
SC-23627-S	02/18/1999	RADIUM-228	1.27	0 37	PCI/G
SC-23627-S	02/18/1999	THORIUM-230	1 24	0.62	PCI/G
SC-23627-S	02/18/1999	URANIUM-238	4 83	2 56	PCI/G
SC-23627-S-01	07/27/1999	RADIUM-226	1 07	0 3	PCI/G
SC-23627-S-01	07/27/1999	RADIUM-228	0 84	0 45	PCI/G
SC-23627-S-01	07/27/1999	THORIUM-230	0 84	0 62	PCI/G
SC-23627-S-01	07/27/1999	URANIUM-238	1 39	2 78	PCI/G
SC-23628-S	02/14/1999	2,4,6-TRINITROTOLUENE	0.0036	0 0072	UG/G
SC-23628-S	02/14/1999	PCB	0	41	UG/KG
SC-23628-S	02/14/1999	ARSENIC	9 9	0 62	UG/G
SC-23628-S	02/14/1999	CHROMIUM	17 3	0 44	UG/G
SC-23628-S	02/14/1999	PAH	1500	430	UG/KG
SC-23628-S	02/14/1999	LEAD	15 6	0 39	UG/G
SC-23628-S	02/14/1999	RADIUM-226	1 34	0 498	PCI/G
SC-23628-S	02/14/1999	RADIUM-228	1 37	0 995	PCI/G
SC-23628-S	02/14/1999	THORIUM-230	0 375	0 33	PCI/G
SC-23628-S	02/14/1999	THORIUM-232	0 553	0 477	PCI/G
SC-23628-S	02/14/1999	URANIUM-238	1 48	2 96	PCI/G
SC-23640-C	02/14/1999	2,4,6-TRINITROTOLUENE	0 0036	0 0072	UG/G
SC-23640-C	02/14/1999	PCB	0	40	UG/KG
SC-23640-C	02/14/1999	ARSENIC	8 4	0 61	UG/G
SC-23640-C	02/14/1999	CHROMIUM	16 3	0 44	UG/G
SC-23640-C	02/14/1999	PAH	50	42	UG/KG
SC-23640-C	02/14/1999	LEAD	17 3	0 39	UG/G
SC-23640-C	02/14/1999	RADIUM-226	1 5	0 62	PCI/G
SC-23640-C	02/14/1999	RADIUM-228	1 95	0 864	PCI/G
SC-23640-C	02/14/1999	THORIUM-230	0 327	0 177	PCI/G
SC-23640-C	02/14/1999	THORIUM-232	0 376	0.2	PCI/G
SC-23640-C	02/14/1999	URANIUM-238	7 72	3 16	PCI/G
SC-23640-C-01	07/27/1999	RADIUM-226	0 85	0 25	PCI/G
SC-23640-C-01	07/27/1999	RADIUM-228	1 03	0 33	PCI/G
SC-23640-C-01	07/27/1999	THORIUM-230	1 21	0.64	PCI/G
SC-23640-C-01	07/27/1999	URANIUM-238	0.965	1 93	PCI/G
SC-23642-C	02/14/1999	2,4,6-TRINITROTOLUENE	0.00355	0 0071	UG/G
SC-23642-C	02/14/1999	PCB	0	39	UG/KG
SC-23642-C	02/14/1999	ARSENIC	8.2	0 6	UG/G
SC-23642-C	02/14/1999	CHROMIUM	16 4	0 43	UG/G
SC-23642-C	02/14/1999	PAH	130	41	UG/KG
SC-23642-C	02/14/1999	LEAD	21 5	0.38	UG/G
SC-23642-C	02/14/1999	RADIUM-226	1 08	0.65	PCI/G
SC-23642-C	02/14/1999	RADIUM-228	1 58	0.889	PCI/G
SC-23642-C	02/14/1999	THORIUM-230	1 18	0 3	PCI/G
SC-23642-C	02/14/1999	THORIUM-232	0 208	0 353	PCI/G
SC-23642-C	02/14/1999	URANIUM-238	4.29	2 92	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23642-C-01	07/27/1999	RADIUM-226	0.95	0.27	PCI/G
SC-23642-C-01	07/27/1999	RADIUM-228	1.11	0.39	PCI/G
SC-23642-C-01	07/27/1999	THORIUM-230	1.03	0.62	PCI/G
SC-23642-C-01	07/27/1999	URANIUM-238	2.86	2.29	PCI/G
SC-23642-S	02/14/1999	2,4,6-TRINITROTOLUENE	0.0035	0.007	UG/G
SC-23642-S	02/14/1999	PCB	0	39	UG/KG
SC-23642-S	02/14/1999	ARSENIC	6.6	0.59	UG/G
SC-23642-S	02/14/1999	PAH	0	41	UG/KG
SC-23642-S	02/14/1999	CHROMIUM	16	0.42	UG/G
SC-23642-S	02/14/1999	LEAD	12	0.38	UG/G
SC-23642-S	02/14/1999	RADIUM-226	1.33	0.42	PCI/G
SC-23642-S	02/14/1999	RADIUM-228	1.01	0.561	PCI/G
SC-23642-S	02/14/1999	THORIUM-230	1.09	0.46	PCI/G
SC-23642-S	02/14/1999	THORIUM-232	0.185	0.46	PCI/G
SC-23642-S	02/14/1999	URANIUM-238	19.1	2.74	PCI/G
SC-23642-S-01	07/27/1999	RADIUM-226	0.87	0.33	PCI/G
SC-23642-S-01	07/27/1999	RADIUM-228	1.27	0.42	PCI/G
SC-23642-S-01	07/27/1999	THORIUM-230	1.24	0.62	PCI/G
SC-23642-S-01	07/27/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23643-S	02/14/1999	2,4,6-TRINITROTOLUENE	0.0038	0.0076	UG/G
SC-23643-S	02/14/1999	PCB	0	42	UG/KG
SC-23643-S	02/14/1999	ARSENIC	8.9	0.64	UG/G
SC-23643-S	02/14/1999	CHROMIUM	18.9	0.46	UG/G
SC-23643-S	02/14/1999	PAH	460	44	UG/KG
SC-23643-S	02/14/1999	LEAD	16.1	0.41	UG/G
SC-23643-S	02/14/1999	RADIUM-226	2.54	0.784	PCI/G
SC-23643-S	02/14/1999	RADIUM-228	1.61	0.856	PCI/G
SC-23643-S	02/14/1999	THORIUM-230	2.53	0.136	PCI/G
SC-23643-S	02/14/1999	THORIUM-232	0.347	0.136	PCI/G
SC-23643-S	02/14/1999	URANIUM-238	9.99	3.61	PCI/G
SC-23643-S-01	07/27/1999	RADIUM-226	0.9	0.33	PCI/G
SC-23643-S-01	07/27/1999	RADIUM-228	1.26	0.5	PCI/G
SC-23643-S-01	07/27/1999	THORIUM-230	1.67	0.64	PCI/G
SC-23643-S-01	07/27/1999	URANIUM-238	1.365	2.73	PCI/G
SC-23644-S	02/14/1999	2,4,6-TRINITROTOLUENE	0.0037	0.0074	UG/G
SC-23644-S	02/14/1999	PCB	0	41	UG/KG
SC-23644-S	02/14/1999	ARSENIC	11.9	0.61	UG/G
SC-23644-S	02/14/1999	CHROMIUM	15.9	0.44	UG/G
SC-23644-S	02/14/1999	PAH	58	43	UG/KG
SC-23644-S	02/14/1999	LEAD	16.5	0.39	UG/G
SC-23644-S	02/14/1999	RADIUM-226	0.86	0.367	PCI/G
SC-23644-S	02/14/1999	RADIUM-228	1.35	0.658	PCI/G
SC-23644-S	02/14/1999	THORIUM-230	1.53	0.166	PCI/G
SC-23644-S	02/14/1999	THORIUM-232	0.254	0.178	PCI/G
SC-23644-S	02/14/1999	URANIUM-238	2.57	2.21	PCI/G
SC-23645-S	07/27/1999	RADIUM-226	0.95	0.24	PCI/G
SC-23645-S	07/27/1999	RADIUM-228	1.12	0.32	PCI/G
SC-23645-S	07/27/1999	THORIUM-230	1.32	0.64	PCI/G
SC-23645-S	07/27/1999	URANIUM-238	0.925	1.85	PCI/G
SC-23646-C	07/27/1999	RADIUM-226	0.96	0.26	PCI/G
SC-23646-C	07/27/1999	RADIUM-228	0.385	0.77	PCI/G
SC-23646-C	07/27/1999	THORIUM-230	1.51	0.62	PCI/G
SC-23646-C	07/27/1999	URANIUM-238	1.49	2.98	PCI/G
SC-23646-S	07/27/1999	RADIUM-226	0.77	0.28	PCI/G
SC-23646-S	07/27/1999	RADIUM-228	1.1	0.5	PCI/G
SC-23646-S	07/27/1999	THORIUM-230	1.16	0.62	PCI/G
SC-23646-S	07/27/1999	URANIUM-238	1.35	2.7	PCI/G
SC-23647-S	07/27/1999	RADIUM-226	0.95	0.3	PCI/G
SC-23647-S	07/27/1999	RADIUM-228	1.06	0.39	PCI/G
SC-23647-S	07/27/1999	THORIUM-230	1.1	0.64	PCI/G
SC-23647-S	07/27/1999	URANIUM-238	1.295	2.59	PCI/G
SC-23648-S	07/27/1999	RADIUM-226	0.97	0.28	PCI/G
SC-23648-S	07/27/1999	RADIUM-228	1.22	0.45	PCI/G
SC-23648-S	07/27/1999	THORIUM-230	0.91	0.64	PCI/G
SC-23648-S	07/27/1999	URANIUM-238	1.25	2.5	PCI/G
SC-23649-S	07/27/1999	RADIUM-226	1.05	0.28	PCI/G
SC-23649-S	07/27/1999	RADIUM-228	0.445	0.89	PCI/G
SC-23649-S	07/27/1999	THORIUM-230	1.3	0.62	PCI/G
SC-23649-S	07/27/1999	URANIUM-238	1.29	2.58	PCI/G
SC-23650-S	07/27/1999	RADIUM-226	0.98	0.29	PCI/G
SC-23650-S	07/27/1999	RADIUM-228	0.325	0.65	PCI/G
SC-23650-S	07/27/1999	THORIUM-230	1.31	0.62	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23650-S	07/27/1999	URANIUM-238	1.38	2 76	PCI/G
SC-23651-C	07/27/1999	RADIUM-226	1.05	0 34	PCI/G
SC-23651-C	07/27/1999	RADIUM-228	0.445	0 89	PCI/G
SC-23651-C	07/27/1999	THORIUM-230	1.51	0.64	PCI/G
SC-23651-C	07/27/1999	URANIUM-238	1.46	2.92	PCI/G
SC-23652-C	07/27/1999	RADIUM-226	0.92	0.23	PCI/G
SC-23652-C	07/27/1999	RADIUM-228	0.94	0.38	PCI/G
SC-23652-C	07/27/1999	THORIUM-230	1.41	0.64	PCI/G
SC-23652-C	07/27/1999	URANIUM-238	1.51	3.02	PCI/G
SC-23653-S	07/27/1999	RADIUM-226	0.93	0.28	PCI/G
SC-23653-S	07/27/1999	RADIUM-228	0.495	0.99	PCI/G
SC-23653-S	07/27/1999	THORIUM-230	1	0.62	PCI/G
SC-23653-S	07/27/1999	URANIUM-238	1.25	2 5	PCI/G
SC-23654-S	07/27/1999	RADIUM-226	0.98	0 31	PCI/G
SC-23654-S	07/27/1999	RADIUM-228	1 08	0 41	PCI/G
SC-23654-S	07/27/1999	THORIUM-230	1 16	0 62	PCI/G
SC-23654-S	07/27/1999	URANIUM-238	1.345	2 69	PCI/G
SC-23655-S	07/27/1999	RADIUM-226	0.94	0 32	PCI/G
SC-23655-S	07/27/1999	RADIUM-228	0.505	1 01	PCI/G
SC-23655-S	07/27/1999	THORIUM-230	1.26	0 62	PCI/G
SC-23655-S	07/27/1999	URANIUM-238	1 18	2 36	PCI/G
SC-23656-S	07/27/1999	RADIUM-226	0.79	0 32	PCI/G
SC-23656-S	07/27/1999	RADIUM-228	0.99	0 39	PCI/G
SC-23656-S	07/27/1999	THORIUM-230	1.33	0 64	PCI/G
SC-23656-S	07/27/1999	URANIUM-238	1 3	2 6	PCI/G
SC-23657-C	07/27/1999	RADIUM-226	0.86	0.4	PCI/G
SC-23657-C	07/27/1999	RADIUM-228	1 32	0 44	PCI/G
SC-23657-C	07/27/1999	THORIUM-230	1 16	0 62	PCI/G
SC-23657-C	07/27/1999	URANIUM-238	1 34	2 68	PCI/G
SC-23658-S	07/27/1999	RADIUM-226	0.94	0 34	PCI/G
SC-23658-S	07/27/1999	RADIUM-228	1 13	0 46	PCI/G
SC-23658-S	07/27/1999	THORIUM-230	1.12	0 62	PCI/G
SC-23658-S	07/27/1999	URANIUM-238	1.36	2.72	PCI/G
SC-23659-S	07/27/1999	RADIUM-226	0 82	0.33	PCI/G
SC-23659-S	07/27/1999	RADIUM-228	0 47	0.94	PCI/G
SC-23659-S	07/27/1999	THORIUM-230	1 72	0.64	PCI/G
SC-23659-S	07/27/1999	URANIUM-238	1 48	2.96	PCI/G
SC-23701-C	08/24/1999	RADIUM-226	1 05	0 37	PCI/G
SC-23701-C	08/24/1999	RADIUM-228	1 25	0.58	PCI/G
SC-23701-C	08/24/1999	THORIUM-230	1 17	0 65	PCI/G
SC-23701-C	08/24/1999	URANIUM-238	1 44	2.88	PCI/G
SC-23701-S	08/24/1999	RADIUM-226	1 08	0 32	PCI/G
SC-23701-S	08/24/1999	RADIUM-228	1 1	0.46	PCI/G
SC-23701-S	08/24/1999	THORIUM-230	0 79	0 62	PCI/G
SC-23701-S	08/24/1999	URANIUM-238	1.355	2 71	PCI/G
SC-23702-S	02/24/1999	RADIUM-226	1 29	0.26	PCI/G
SC-23702-S	02/24/1999	RADIUM-228	1 09	0 4	PCI/G
SC-23702-S	02/24/1999	THORIUM-230	1 9	0 62	PCI/G
SC-23702-S	02/24/1999	URANIUM-238	1 385	2 77	PCI/G
SC-23702-S-RS	08/25/1999	RADIUM-226	1.11	0 29	PCI/G
SC-23702-S-RS	08/25/1999	RADIUM-228	1.46	0 51	PCI/G
SC-23702-S-RS	08/25/1999	THORIUM-230	1.11	0.64	PCI/G
SC-23702-S-RS	08/25/1999	URANIUM-238	1 385	2.77	PCI/G
SC-23703-S	02/24/1999	RADIUM-226	1.28	0 24	PCI/G
SC-23703-S	02/24/1999	RADIUM-228	1.29	0 33	PCI/G
SC-23703-S	02/24/1999	THORIUM-230	1.25	0 62	PCI/G
SC-23703-S	02/24/1999	URANIUM-238	6.87	2.34	PCI/G
SC-23703-S-RS	06/15/1999	RADIUM-226	0.325	0 65	PCI/G
SC-23703-S-RS	06/15/1999	RADIUM-228	0.465	0 93	PCI/G
SC-23703-S-RS	06/15/1999	THORIUM-230	1.93	0 62	PCI/G
SC-23703-S-RS	06/15/1999	URANIUM-238	1 205	2.41	PCI/G
SC-23705-S	08/24/1999	RADIUM-226	0.84	0 28	PCI/G
SC-23705-S	08/24/1999	RADIUM-228	1.18	0.39	PCI/G
SC-23705-S	08/24/1999	THORIUM-230	1.19	0 64	PCI/G
SC-23705-S	08/24/1999	URANIUM-238	1.295	2.59	PCI/G
SC-23706-S	02/01/1999	RADIUM-226	1.16	0 36	PCI/G
SC-23706-S	02/01/1999	RADIUM-228	1.3	0 57	PCI/G
SC-23706-S	02/01/1999	THORIUM-230	3 02	0 62	PCI/G
SC-23706-S	02/01/1999	URANIUM-238	1.385	2 77	PCI/G
SC-23706-S-01	02/24/1999	RADIUM-226	1 41	0 34	PCI/G
SC-23706-S-01	02/24/1999	RADIUM-228	1 25	0 42	PCI/G
SC-23706-S-01	02/24/1999	THORIUM-230	1 76	0 62	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23706-S-01	02/24/1999	URANIUM-238	1.4	2.8	PCI/G
SC-23706-S-RS	08/25/1999	RADIUM-226	0.94	0.3	PCI/G
SC-23706-S-RS	08/25/1999	RADIUM-228	1.05	0.47	PCI/G
SC-23706-S-RS	08/25/1999	THORIUM-230	1.06	0.65	PCI/G
SC-23706-S-RS	08/25/1999	URANIUM-238	1.24	2.48	PCI/G
SC-23707-S	02/24/1999	RADIUM-226	1.33	0.31	PCI/G
SC-23707-S	02/24/1999	RADIUM-228	0.52	1.04	PCI/G
SC-23707-S	02/24/1999	THORIUM-230	1.54	0.62	PCI/G
SC-23707-S	02/24/1999	URANIUM-238	1.37	2.74	PCI/G
SC-23707-S-01	08/02/1999	RADIUM-226	0.67	0.3	PCI/G
SC-23707-S-01	08/02/1999	RADIUM-228	1.09	0.45	PCI/G
SC-23707-S-01	08/02/1999	THORIUM-230	1.34	0.64	PCI/G
SC-23707-S-01	08/02/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23708-C	08/24/1999	RADIUM-226	0.83	0.3	PCI/G
SC-23708-C	08/24/1999	RADIUM-228	1.39	0.43	PCI/G
SC-23708-C	08/24/1999	THORIUM-230	1.22	0.62	PCI/G
SC-23708-C	08/24/1999	URANIUM-238	1.28	2.56	PCI/G
SC-23709-S	08/24/1999	RADIUM-226	0.66	0.34	PCI/G
SC-23709-S	08/24/1999	RADIUM-228	0.51	1.02	PCI/G
SC-23709-S	08/24/1999	THORIUM-230	0.78	0.64	PCI/G
SC-23709-S	08/24/1999	URANIUM-238	1.135	2.27	PCI/G
SC-23710-S	02/01/1999	RADIUM-226	2.35	0.35	PCI/G
SC-23710-S	02/01/1999	RADIUM-228	1.18	0.47	PCI/G
SC-23710-S	02/01/1999	THORIUM-230	2.69	0.62	PCI/G
SC-23710-S	02/01/1999	URANIUM-238	8.63	2.85	PCI/G
SC-23710-S-01	02/24/1999	RADIUM-226	3.69	0.32	PCI/G
SC-23710-S-01	02/24/1999	RADIUM-228	1.53	0.58	PCI/G
SC-23710-S-01	02/24/1999	THORIUM-230	3.92	0.62	PCI/G
SC-23710-S-01	02/24/1999	URANIUM-238	1.94	3.88	PCI/G
SC-23710-S-02	08/02/1999	RADIUM-226	0.74	0.34	PCI/G
SC-23710-S-02	08/02/1999	RADIUM-228	0.475	0.95	PCI/G
SC-23710-S-02	08/02/1999	THORIUM-230	2.47	0.64	PCI/G
SC-23710-S-02	08/02/1999	URANIUM-238	1.24	2.48	PCI/G
SC-23710-S-RS	08/24/1999	ARSENIC	6.1	0.45	UG/G
SC-23710-S-RS	08/24/1999	CHROMIUM	16.8	0.17	UG/G
SC-23710-S-RS	08/24/1999	RADIUM-226	1.05	0.24	PCI/G
SC-23710-S-RS	08/24/1999	RADIUM-228	1.04	0.45	PCI/G
SC-23710-S-RS	08/24/1999	THORIUM-230	2.82	0.64	PCI/G
SC-23710-S-RS	08/24/1999	URANIUM-238	1.33	2.66	PCI/G
SC-23711-S	02/01/1999	RADIUM-226	1.42	0.4	PCI/G
SC-23711-S	02/01/1999	RADIUM-228	1.93	0.6	PCI/G
SC-23711-S	02/01/1999	THORIUM-230	3.57	0.62	PCI/G
SC-23711-S	02/01/1999	URANIUM-238	3.13	3.5	PCI/G
SC-23711-S-01	02/24/1999	RADIUM-226	1.43	0.3	PCI/G
SC-23711-S-01	02/24/1999	RADIUM-228	1.17	0.44	PCI/G
SC-23711-S-01	02/24/1999	THORIUM-230	1.26	0.62	PCI/G
SC-23711-S-01	02/24/1999	URANIUM-238	1.305	2.61	PCI/G
SC-23711-S-02	08/02/1999	RADIUM-226	0.85	0.29	PCI/G
SC-23711-S-02	08/02/1999	RADIUM-228	1.11	0.38	PCI/G
SC-23711-S-02	08/02/1999	THORIUM-230	1.42	0.64	PCI/G
SC-23711-S-02	08/02/1999	URANIUM-238	1.295	2.59	PCI/G
SC-23711-S-A	02/24/1999	RADIUM-226	1.25	0.32	PCI/G
SC-23711-S-A	02/24/1999	RADIUM-228	1.32	0.45	PCI/G
SC-23711-S-A	02/24/1999	THORIUM-230	2.02	0.62	PCI/G
SC-23711-S-A	02/24/1999	URANIUM-238	1.405	2.81	PCI/G
SC-23711-S-B	03/01/1999	RADIUM-226	1.06	0.34	PCI/G
SC-23711-S-B	03/01/1999	RADIUM-228	0.515	1.03	PCI/G
SC-23711-S-B	03/01/1999	THORIUM-230	1.18	0.62	PCI/G
SC-23711-S-B	03/01/1999	URANIUM-238	2.46	2.79	PCI/G
SC-23711-S-RS	08/13/1999	RADIUM-226	0.295	0.59	PCI/G
SC-23711-S-RS	08/13/1999	RADIUM-228	1.16	0.4	PCI/G
SC-23711-S-RS	08/13/1999	THORIUM-230	0.85	0.64	PCI/G
SC-23711-S-RS	08/13/1999	URANIUM-238	1.225	2.45	PCI/G
SC-23713-S	08/24/1999	RADIUM-226	0.28	0.56	PCI/G
SC-23713-S	08/24/1999	RADIUM-228	1	0.49	PCI/G
SC-23713-S	08/24/1999	THORIUM-230	1.08	0.62	PCI/G
SC-23713-S	08/24/1999	URANIUM-238	1.19	2.38	PCI/G
SC-23714-S	02/01/1999	RADIUM-226	1.19	0.3	PCI/G
SC-23714-S	02/01/1999	RADIUM-228	0.99	0.42	PCI/G
SC-23714-S	02/01/1999	THORIUM-230	1.18	0.62	PCI/G
SC-23714-S	02/01/1999	URANIUM-238	1.345	2.69	PCI/G
SC-23714-S-01	08/02/1999	RADIUM-226	0.7	0.37	PCI/G

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SC-23714-S-01	08/02/1999	RADIUM-228	0.455	0.91	PCI/G
SC-23714-S-01	08/02/1999	THORIUM-230	1 32	0.64	PCI/G
SC-23714-S-01	08/02/1999	URANIUM-238	1 31	2.62	PCI/G
SC-23714-S-RS	08/24/1999	ARSENIC	7 6	0.44	UG/G
SC-23714-S-RS	08/24/1999	CHROMIUM	26 1	0 16	UG/G
SC-23714-S-RS	08/24/1999	RADIUM-226	0 335	0.67	PCI/G
SC-23714-S-RS	08/24/1999	RADIUM-228	1.23	0.42	PCI/G
SC-23714-S-RS	08/24/1999	THORIUM-230	1 06	0.64	PCI/G
SC-23714-S-RS	08/24/1999	URANIUM-238	1.315	2 63	PCI/G
SC-23715-S	02/01/1999	RADIUM-226	1 27	0 39	PCI/G
SC-23715-S	02/01/1999	RADIUM-228	1 72	0 55	PCI/G
SC-23715-S	02/01/1999	THORIUM-230	3.85	0.62	PCI/G
SC-23715-S	02/01/1999	URANIUM-238	4.21	3 11	PCI/G
SC-23715-S-01	02/24/1999	RADIUM-226	1 11	0.34	PCI/G
SC-23715-S-01	02/24/1999	RADIUM-228	1 01	0 4	PCI/G
SC-23715-S-01	02/24/1999	THORIUM-230	0 94	0.62	PCI/G
SC-23715-S-01	02/24/1999	URANIUM-238	1.325	2.65	PCI/G
SC-23715-S-02	08/02/1999	RADIUM-226	0.9	0 3	PCI/G
SC-23715-S-02	08/02/1999	RADIUM-228	1.1	0.39	PCI/G
SC-23715-S-02	08/02/1999	THORIUM-230	1 11	0 64	PCI/G
SC-23715-S-02	08/02/1999	URANIUM-238	1 275	2.55	PCI/G
SC-23715-S-A	02/24/1999	RADIUM-226	1 17	0 32	PCI/G
SC-23715-S-A	02/24/1999	RADIUM-228	1.07	0 46	PCI/G
SC-23715-S-A	02/24/1999	THORIUM-230	2.56	0 62	PCI/G
SC-23715-S-A	02/24/1999	URANIUM-238	5 42	2.8	PCI/G
SC-23715-S-B	03/01/1999	RADIUM-226	1 27	0.32	PCI/G
SC-23715-S-B	03/01/1999	RADIUM-228	1.28	0.4	PCI/G
SC-23715-S-B	03/01/1999	THORIUM-230	1	0.62	PCI/G
SC-23715-S-B	03/01/1999	URANIUM-238	1 33	2.66	PCI/G
SC-23716-S	08/02/1999	RADIUM-226	0 61	0.29	PCI/G
SC-23716-S	08/02/1999	RADIUM-228	1 1	0 41	PCI/G
SC-23716-S	08/02/1999	THORIUM-230	0 75	0.64	PCI/G
SC-23716-S	08/02/1999	URANIUM-238	1.235	2 47	PCI/G
SC-23717-C	08/24/1999	RADIUM-226	0 82	0.31	PCI/G
SC-23717-C	08/24/1999	RADIUM-228	0 505	1 01	PCI/G
SC-23717-C	08/24/1999	THORIUM-230	1 56	0.64	PCI/G
SC-23717-C	08/24/1999	URANIUM-238	1.31	2.62	PCI/G
SC-23718-S	08/24/1999	RADIUM-226	0 63	0 3	PCI/G
SC-23718-S	08/24/1999	RADIUM-228	0.99	0.41	PCI/G
SC-23718-S	08/24/1999	THORIUM-230	0.98	0 64	PCI/G
SC-23718-S	08/24/1999	URANIUM-238	1 225	2 45	PCI/G
SC-23719-S	02/01/1999	RADIUM-226	1 97	0 34	PCI/G
SC-23719-S	02/01/1999	RADIUM-228	2 06	0 46	PCI/G
SC-23719-S	02/01/1999	THORIUM-230	6 96	0 62	PCI/G
SC-23719-S	02/01/1999	URANIUM-238	1 69	3 38	PCI/G
SC-23719-S-HS01	02/10/1999	THORIUM-230	2 45	0.62	PCI/G
SC-23719-S-HS02	02/10/1999	THORIUM-230	3 04	0.62	PCI/G
SC-23719-S-HS03	02/10/1999	THORIUM-230	9.82	0 62	PCI/G
SC-23719-S-HS04	02/10/1999	THORIUM-230	25 1	0 62	PCI/G
SC-23719-S-RS	08/13/1999	THORIUM-230	0 86	0 64	PCI/G
SC-23719-S-RS2	08/25/1999	ARSENIC	7 5	0 4	UG/G
SC-23719-S-RS2	08/25/1999	CHROMIUM	16.8	0 15	UG/G
SC-23719-S-RS2	08/25/1999	RADIUM-226	0 88	0 38	PCI/G
SC-23719-S-RS2	08/25/1999	RADIUM-228	1 18	0 49	PCI/G
SC-23719-S-RS2	08/25/1999	THORIUM-230	1 07	0 65	PCI/G
SC-23719-S-RS2	08/25/1999	URANIUM-238	1.33	2 66	PCI/G
SC-23720-S	02/01/1999	RADIUM-226	1 34	0 35	PCI/G
SC-23720-S	02/01/1999	RADIUM-228	1.3	0 47	PCI/G
SC-23720-S	02/01/1999	THORIUM-230	2.49	0 62	PCI/G
SC-23720-S	02/01/1999	URANIUM-238	1 515	3 03	PCI/G
SC-23720-S-A	02/24/1999	RADIUM-226	3 67	0.5	PCI/G
SC-23720-S-A	02/24/1999	RADIUM-228	2.96	0 79	PCI/G
SC-23720-S-A	02/24/1999	THORIUM-230	66 1	0 62	PCI/G
SC-23720-S-A	02/24/1999	URANIUM-238	2 245	4 49	PCI/G
SC-23720-S-RS	05/11/1999	RADIUM-226	0 63	0 33	PCI/G
SC-23720-S-RS	05/11/1999	RADIUM-228	0.49	0 98	PCI/G
SC-23720-S-RS	05/11/1999	THORIUM-230	1 66	0 76	PCI/G
SC-23720-S-RS	05/11/1999	URANIUM-238	1 415	2 83	PCI/G
SC-23721-S	05/11/1999	RADIUM-226	0 91	0 35	PCI/G
SC-23721-S	05/11/1999	RADIUM-228	1 2	0 35	PCI/G
SC-23721-S	05/11/1999	THORIUM-230	22	0 73	PCI/G
SC-23721-S	05/11/1999	URANIUM-238	1 395	2 79	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23721-S-RS	05/18/1999	THORIUM-230	8.42	0.7	PCI/G
SC-23721-S-RS2	08/21/1999	THORIUM-230	1.04	0.64	PCI/G
SC-23802-S	08/24/1999	RADIUM-226	0.77	0.32	PCI/G
SC-23802-S	08/24/1999	RADIUM-228	1.08	0.42	PCI/G
SC-23802-S	08/24/1999	THORIUM-230	0.82	0.62	PCI/G
SC-23802-S	08/24/1999	URANIUM-238	1.27	2.54	PCI/G
SC-23803-S	02/01/1999	RADIUM-226	1.29	0.34	PCI/G
SC-23803-S	02/01/1999	RADIUM-228	1.47	0.38	PCI/G
SC-23803-S	02/01/1999	THORIUM-230	3.95	0.62	PCI/G
SC-23803-S	02/01/1999	URANIUM-238	1.36	2.72	PCI/G
SC-23803-S-RS	08/25/1999	ARSENIC	7.8	0.42	UG/G
SC-23803-S-RS	08/25/1999	CHROMIUM	25.8	0.15	UG/G
SC-23803-S-RS	08/25/1999	RADIUM-226	0.86	0.32	PCI/G
SC-23803-S-RS	08/25/1999	RADIUM-228	1.09	0.42	PCI/G
SC-23803-S-RS	08/25/1999	THORIUM-230	0.97	0.64	PCI/G
SC-23803-S-RS	08/25/1999	URANIUM-238	1.395	2.79	PCI/G
SC-23804-S	02/01/1999	RADIUM-226	1.51	0.36	PCI/G
SC-23804-S	02/01/1999	RADIUM-228	1.05	0.62	PCI/G
SC-23804-S	02/01/1999	THORIUM-230	4.59	0.62	PCI/G
SC-23804-S	02/01/1999	URANIUM-238	1.535	3.07	PCI/G
SC-23804-S-RS	05/11/1999	RADIUM-226	0.97	0.37	PCI/G
SC-23804-S-RS	05/11/1999	RADIUM-228	0.51	1.02	PCI/G
SC-23804-S-RS	05/11/1999	THORIUM-230	1.05	0.62	PCI/G
SC-23804-S-RS	05/11/1999	URANIUM-238	1.26	2.52	PCI/G
SC-23805-S	05/11/1999	RADIUM-226	0.82	0.26	PCI/G
SC-23805-S	05/11/1999	RADIUM-228	1.21	0.42	PCI/G
SC-23805-S	05/11/1999	THORIUM-230	2.89	0.7	PCI/G
SC-23805-S	05/11/1999	URANIUM-238	1.3	2.6	PCI/G
SC-23806-C	08/24/1999	RADIUM-226	0.62	0.32	PCI/G
SC-23806-C	08/24/1999	RADIUM-228	1.21	0.39	PCI/G
SC-23806-C	08/24/1999	THORIUM-230	1.11	0.64	PCI/G
SC-23806-C	08/24/1999	URANIUM-238	1.28	2.56	PCI/G
SC-23807-S	08/24/1999	RADIUM-226	0.8	0.28	PCI/G
SC-23807-S	08/24/1999	RADIUM-228	1.07	0.47	PCI/G
SC-23807-S	08/24/1999	THORIUM-230	0.75	0.65	PCI/G
SC-23807-S	08/24/1999	URANIUM-238	1.315	2.63	PCI/G
SC-23808-S	02/01/1999	RADIUM-226	2.18	0.34	PCI/G
SC-23808-S	02/01/1999	RADIUM-228	2.83	0.54	PCI/G
SC-23808-S	02/01/1999	THORIUM-230	17.6	0.62	PCI/G
SC-23808-S	02/01/1999	URANIUM-238	6	3.54	PCI/G
SC-23808-S-HS01	02/10/1999	THORIUM-230	3.3	0.62	PCI/G
SC-23808-S-HS02	02/10/1999	THORIUM-230	14.2	0.62	PCI/G
SC-23808-S-HS03	02/10/1999	THORIUM-230	7.02	0.62	PCI/G
SC-23808-S-HS04	02/10/1999	THORIUM-230	12.8	0.62	PCI/G
SC-23808-S-RS	08/25/1999	ARSENIC	6.2	0.44	UG/G
SC-23808-S-RS	08/25/1999	CHROMIUM	20.4	0.16	UG/G
SC-23808-S-RS	08/25/1999	RADIUM-226	0.85	0.3	PCI/G
SC-23808-S-RS	08/25/1999	RADIUM-228	1.19	0.48	PCI/G
SC-23808-S-RS	08/25/1999	THORIUM-230	1.05	0.62	PCI/G
SC-23808-S-RS	08/25/1999	URANIUM-238	1.275	2.55	PCI/G
SC-23809-S	02/01/1999	RADIUM-226	1.15	0.37	PCI/G
SC-23809-S	02/01/1999	RADIUM-228	0.445	0.89	PCI/G
SC-23809-S	02/01/1999	THORIUM-230	1.59	0.62	PCI/G
SC-23809-S	02/01/1999	URANIUM-238	1.325	2.65	PCI/G
SC-23809-S-RS	05/11/1999	RADIUM-226	0.85	0.23	PCI/G
SC-23809-S-RS	05/11/1999	RADIUM-228	1.1	0.3	PCI/G
SC-23809-S-RS	05/11/1999	THORIUM-230	2.12	0.76	PCI/G
SC-23809-S-RS	05/11/1999	URANIUM-238	0.855	1.71	PCI/G
SC-23810-S	05/11/1999	RADIUM-226	0.65	0.3	PCI/G
SC-23810-S	05/11/1999	RADIUM-228	1.21	0.35	PCI/G
SC-23810-S	05/11/1999	THORIUM-230	1.85	0.73	PCI/G
SC-23810-S	05/11/1999	URANIUM-238	1.3	2.6	PCI/G
SC-23812-S	08/24/1999	RADIUM-226	0.74	0.32	PCI/G
SC-23812-S	08/24/1999	RADIUM-228	0.49	0.98	PCI/G
SC-23812-S	08/24/1999	THORIUM-230	1.74	0.64	PCI/G
SC-23812-S	08/24/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23813-S	02/01/1999	RADIUM-226	1.62	0.36	PCI/G
SC-23813-S	02/01/1999	RADIUM-228	2.11	0.51	PCI/G
SC-23813-S	02/01/1999	THORIUM-230	9.72	0.62	PCI/G
SC-23813-S	02/01/1999	URANIUM-238	1.655	3.31	PCI/G
SC-23813-S-HS01	02/10/1999	THORIUM-230	0.84	0.62	PCI/G
SC-23813-S-HS02	02/10/1999	THORIUM-230	1.78	0.62	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23813-S-HS03	02/10/1999	THORIUM-230	1 03	0 62	PCI/G
SC-23813-S-HS04	02/10/1999	THORIUM-230	10.2	0 62	PCI/G
SC-23813-S-RS	08/24/1999	RADIUM-226	0 85	0.28	PCI/G
SC-23813-S-RS	08/24/1999	RADIUM-228	1.52	0 4	PCI/G
SC-23813-S-RS	08/24/1999	THORIUM-230	1 05	0.64	PCI/G
SC-23813-S-RS	08/24/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23814-S	02/01/1999	RADIUM-226	1 15	0.47	PCI/G
SC-23814-S	02/01/1999	RADIUM-228	0 445	0 89	PCI/G
SC-23814-S	02/01/1999	THORIUM-230	2.13	0.62	PCI/G
SC-23814-S	02/01/1999	URANIUM-238	1 355	2.71	PCI/G
SC-23814-S-RS	05/11/1999	RADIUM-226	0.63	0.32	PCI/G
SC-23814-S-RS	05/11/1999	RADIUM-228	0 485	0.97	PCI/G
SC-23814-S-RS	05/11/1999	THORIUM-230	1 71	0.76	PCI/G
SC-23814-S-RS	05/11/1999	URANIUM-238	1.24	2.48	PCI/G
SC-23815-S	05/11/1999	RADIUM-226	0 87	0.35	PCI/G
SC-23815-S	05/11/1999	RADIUM-228	1 16	0.35	PCI/G
SC-23815-S	05/11/1999	THORIUM-230	1 65	0 73	PCI/G
SC-23815-S	05/11/1999	URANIUM-238	1.27	2.54	PCI/G
SC-23816-C	08/24/1999	RADIUM-226	1 02	0.33	PCI/G
SC-23816-C	08/24/1999	RADIUM-228	1.82	0 42	PCI/G
SC-23816-C	08/24/1999	THORIUM-230	7 94	0.65	PCI/G
SC-23816-C	08/24/1999	URANIUM-238	1 44	2 88	PCI/G
SC-23816-C-HS01	09/01/1999	THORIUM-230	1 1	0.64	PCI/G
SC-23816-C-HS02	09/01/1999	THORIUM-230	1.3	0.64	PCI/G
SC-23816-C-HS03	09/01/1999	THORIUM-230	0 74	0 65	PCI/G
SC-23816-C-HS04	09/01/1999	THORIUM-230	0 91	0.64	PCI/G
SC-23817-S	08/24/1999	RADIUM-226	0 81	0 27	PCI/G
SC-23817-S	08/24/1999	RADIUM-228	1 23	0 42	PCI/G
SC-23817-S	08/24/1999	THORIUM-230	0.96	0 65	PCI/G
SC-23817-S	08/24/1999	URANIUM-238	1 325	2 65	PCI/G
SC-23818-S	02/01/1999	RADIUM-226	1.25	0 36	PCI/G
SC-23818-S	02/01/1999	RADIUM-228	1.3	0 42	PCI/G
SC-23818-S	02/01/1999	THORIUM-230	2.91	0.62	PCI/G
SC-23818-S	02/01/1999	URANIUM-238	1.435	2.87	PCI/G
SC-23819-S	02/01/1999	RADIUM-226	1 41	0 36	PCI/G
SC-23819-S	02/01/1999	RADIUM-228	1 2	0 56	PCI/G
SC-23819-S	02/01/1999	THORIUM-230	4 35	0 62	PCI/G
SC-23819-S	02/01/1999	URANIUM-238	1 64	3 28	PCI/G
SC-23819-S-RS	05/11/1999	RADIUM-226	0.81	0 33	PCI/G
SC-23819-S-RS	05/11/1999	RADIUM-228	0 5	1	PCI/G
SC-23819-S-RS	05/11/1999	THORIUM-230	1 94	0 62	PCI/G
SC-23819-S-RS	05/11/1999	URANIUM-238	1 43	2 86	PCI/G
SC-23820-S	05/11/1999	RADIUM-226	1 14	0 29	PCI/G
SC-23820-S	05/11/1999	RADIUM-228	0 98	0 41	PCI/G
SC-23820-S	05/11/1999	THORIUM-230	1 23	0 7	PCI/G
SC-23820-S	05/11/1999	URANIUM-238	1 285	2.57	PCI/G
SC-23821-S	08/24/1999	RADIUM-226	0 93	0 35	PCI/G
SC-23821-S	08/24/1999	RADIUM-228	1 35	0 48	PCI/G
SC-23821-S	08/24/1999	THORIUM-230	1 03	0 62	PCI/G
SC-23821-S	08/24/1999	URANIUM-238	1 25	2 5	PCI/G
SC-23822-S	02/01/1999	RADIUM-226	1 26	0 3	PCI/G
SC-23822-S	02/01/1999	RADIUM-228	1 12	0 36	PCI/G
SC-23822-S	02/01/1999	THORIUM-230	1.2	0.62	PCI/G
SC-23822-S	02/01/1999	URANIUM-238	1.345	2.69	PCI/G
SC-23823-S	02/01/1999	RADIUM-226	1.03	0.36	PCI/G
SC-23823-S	02/01/1999	RADIUM-228	0 505	1.01	PCI/G
SC-23823-S	02/01/1999	THORIUM-230	1 27	0.62	PCI/G
SC-23823-S	02/01/1999	URANIUM-238	1.26	2.52	PCI/G
SC-23823-S-RS	05/11/1999	RADIUM-226	0.7	0.33	PCI/G
SC-23823-S-RS	05/11/1999	RADIUM-228	0 47	0.94	PCI/G
SC-23823-S-RS	05/11/1999	THORIUM-230	1 57	0.76	PCI/G
SC-23823-S-RS	05/11/1999	URANIUM-238	1 18	2.36	PCI/G
SC-23824-S	05/11/1999	RADIUM-226	1.09	0.33	PCI/G
SC-23824-S	05/11/1999	RADIUM-228	1 08	0.41	PCI/G
SC-23824-S	05/11/1999	THORIUM-230	1	0.73	PCI/G
SC-23824-S	05/11/1999	URANIUM-238	1 275	2.55	PCI/G
SC-23901-U	08/18/1999	RADIUM-226	0 32	0.64	PCI/G
SC-23901-U	08/18/1999	RADIUM-228	0 435	0.87	PCI/G
SC-23901-U	08/18/1999	THORIUM-230	2.62	0 62	PCI/G
SC-23901-U	08/18/1999	URANIUM-238	1 35	2 7	PCI/G
SC-23902-S	08/24/1999	RADIUM-226	0 96	0 32	PCI/G
SC-23902-S	08/24/1999	RADIUM-228	1 07	0 46	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23902-S	08/24/1999	THORIUM-230	3.41	0.64	PCI/G
SC-23902-S	08/24/1999	URANIUM-238	1.425	2.85	PCI/G
SC-23902-U	08/18/1999	RADIUM-226	0.63	0.26	PCI/G
SC-23902-U	08/18/1999	RADIUM-228	1	0.41	PCI/G
SC-23902-U	08/18/1999	THORIUM-230	1.02	0.62	PCI/G
SC-23902-U	08/18/1999	URANIUM-238	1.245	2.49	PCI/G
SC-23903-S	02/01/1999	RADIUM-226	2.11	0.39	PCI/G
SC-23903-S	02/01/1999	RADIUM-228	2.89	0.52	PCI/G
SC-23903-S	02/01/1999	THORIUM-230	13.4	0.62	PCI/G
SC-23903-S	02/01/1999	URANIUM-238	7.24	3.12	PCI/G
SC-23903-S-01	09/26/1999	RADIUM-226	0.66	0.27	PCI/G
SC-23903-S-01	09/26/1999	RADIUM-228	0.445	0.89	PCI/G
SC-23903-S-01	09/26/1999	THORIUM-230	0.8	0.62	PCI/G
SC-23903-S-01	09/26/1999	URANIUM-238	1.24	2.48	PCI/G
SC-23903-S-RS	08/04/1999	RADIUM-226	0.97	0.29	PCI/G
SC-23903-S-RS	08/04/1999	RADIUM-228	1.09	0.42	PCI/G
SC-23903-S-RS	08/04/1999	THORIUM-230	0.93	0.64	PCI/G
SC-23903-S-RS	08/04/1999	URANIUM-238	1.3	2.6	PCI/G
SC-23903-U	08/18/1999	RADIUM-226	0.64	0.31	PCI/G
SC-23903-U	08/18/1999	RADIUM-228	0.98	0.53	PCI/G
SC-23903-U	08/18/1999	THORIUM-230	0.81	0.62	PCI/G
SC-23903-U	08/18/1999	URANIUM-238	1.26	2.52	PCI/G
SC-23904-S	02/01/1999	RADIUM-226	1.22	0.35	PCI/G
SC-23904-S	02/01/1999	RADIUM-228	0.48	0.96	PCI/G
SC-23904-S	02/01/1999	THORIUM-230	2.55	0.62	PCI/G
SC-23904-S	02/01/1999	URANIUM-238	1.43	2.86	PCI/G
SC-23904-S-01	09/26/1999	RADIUM-226	0.84	0.29	PCI/G
SC-23904-S-01	09/26/1999	RADIUM-228	0.87	0.45	PCI/G
SC-23904-S-01	09/26/1999	THORIUM-230	9.14	0.64	PCI/G
SC-23904-S-01	09/26/1999	URANIUM-238	1.21	2.42	PCI/G
SC-23904-S-01-HS01	09/30/1999	THORIUM-230	0.92	0.62	PCI/G
SC-23904-S-01-HS02	09/30/1999	THORIUM-230	0.82	0.64	PCI/G
SC-23904-S-01-HS03	09/30/1999	THORIUM-230	1.1	0.65	PCI/G
SC-23904-S-01-HS04	09/30/1999	THORIUM-230	0.89	0.62	PCI/G
SC-23904-S-RS	05/11/1999	RADIUM-226	0.85	0.33	PCI/G
SC-23904-S-RS	05/11/1999	RADIUM-228	1.17	0.55	PCI/G
SC-23904-S-RS	05/11/1999	THORIUM-230	1.93	0.62	PCI/G
SC-23904-S-RS	05/11/1999	URANIUM-238	1.315	2.63	PCI/G
SC-23904-U	08/18/1999	RADIUM-226	0.61	0.24	PCI/G
SC-23904-U	08/18/1999	RADIUM-228	0.87	0.48	PCI/G
SC-23904-U	08/18/1999	THORIUM-230	0.79	0.64	PCI/G
SC-23904-U	08/18/1999	URANIUM-238	1.315	2.63	PCI/G
SC-23905-S	05/11/1999	RADIUM-226	0.98	0.3	PCI/G
SC-23905-S	05/11/1999	RADIUM-228	1.01	0.48	PCI/G
SC-23905-S	05/11/1999	THORIUM-230	19.7	0.7	PCI/G
SC-23905-S	05/11/1999	URANIUM-238	1.28	2.56	PCI/G
SC-23905-S-01	09/26/1999	RADIUM-226	0.78	0.31	PCI/G
SC-23905-S-01	09/26/1999	RADIUM-228	0.415	0.83	PCI/G
SC-23905-S-01	09/26/1999	THORIUM-230	1.14	0.65	PCI/G
SC-23905-S-01	09/26/1999	URANIUM-238	1.19	2.38	PCI/G
SC-23905-S-RS	05/19/1999	THORIUM-230	2.34	0.7	PCI/G
SC-23907-S	08/24/1999	RADIUM-226	0.9	0.29	PCI/G
SC-23907-S	08/24/1999	RADIUM-228	0.465	0.93	PCI/G
SC-23907-S	08/24/1999	THORIUM-230	1.14	0.64	PCI/G
SC-23907-S	08/24/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23908-S	02/01/1999	RADIUM-226	2.81	0.42	PCI/G
SC-23908-S	02/01/1999	RADIUM-228	3.87	0.55	PCI/G
SC-23908-S	02/01/1999	THORIUM-230	26	0.62	PCI/G
SC-23908-S	02/01/1999	URANIUM-238	6.3	3.17	PCI/G
SC-23908-S-01	09/26/1999	RADIUM-226	0.56	0.3	PCI/G
SC-23908-S-01	09/26/1999	RADIUM-228	0.9	0.39	PCI/G
SC-23908-S-01	09/26/1999	THORIUM-230	0.85	0.64	PCI/G
SC-23908-S-01	09/26/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23908-S-RS	08/04/1999	RADIUM-226	0.98	0.37	PCI/G
SC-23908-S-RS	08/04/1999	RADIUM-228	0.98	0.49	PCI/G
SC-23908-S-RS	08/04/1999	THORIUM-230	1.52	0.64	PCI/G
SC-23908-S-RS	08/04/1999	URANIUM-238	1.365	2.73	PCI/G
SC-23909-S	02/01/1999	RADIUM-226	0.89	0.33	PCI/G
SC-23909-S	02/01/1999	RADIUM-228	0.49	0.98	PCI/G
SC-23909-S	02/01/1999	THORIUM-230	1.17	0.62	PCI/G
SC-23909-S	02/01/1999	URANIUM-238	1.235	2.47	PCI/G
SC-23909-S-01	09/26/1999	RADIUM-226	1.03	0.31	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23909-S-01	09/26/1999	RADIUM-228	0.465	0.93	PCI/G
SC-23909-S-01	09/26/1999	THORIUM-230	1.07	0.62	PCI/G
SC-23909-S-01	09/26/1999	URANIUM-238	1.285	2.57	PCI/G
SC-23910-S	05/07/1999	RADIUM-226	0.9	0.34	PCI/G
SC-23910-S	05/07/1999	RADIUM-228	0.445	0 89	PCI/G
SC-23910-S	05/07/1999	THORIUM-230	5 15	0 73	PCI/G
SC-23910-S	05/07/1999	URANIUM-238	5.69	2 91	PCI/G
SC-23910-S-01	09/26/1999	RADIUM-226	0.93	0.26	PCI/G
SC-23910-S-01	09/26/1999	RADIUM-228	1.01	0 42	PCI/G
SC-23910-S-01	09/26/1999	THORIUM-230	1.14	0 64	PCI/G
SC-23910-S-01	09/26/1999	URANIUM-238	1.305	2.61	PCI/G
SC-23912-S	08/24/1999	RADIUM-226	0 93	0.28	PCI/G
SC-23912-S	08/24/1999	RADIUM-228	1 38	0.36	PCI/G
SC-23912-S	08/24/1999	THORIUM-230	0.93	0 65	PCI/G
SC-23912-S	08/24/1999	URANIUM-238	1 285	2.57	PCI/G
SC-23913-S	02/01/1999	RADIUM-226	1.84	0.37	PCI/G
SC-23913-S	02/01/1999	RADIUM-228	2.54	0.45	PCI/G
SC-23913-S	02/01/1999	THORIUM-230	10.6	0.62	PCI/G
SC-23913-S	02/01/1999	URANIUM-238	6 59	3.11	PCI/G
SC-23913-S-01	09/26/1999	RADIUM-226	0 86	0.36	PCI/G
SC-23913-S-01	09/26/1999	RADIUM-228	0.475	0.95	PCI/G
SC-23913-S-01	09/26/1999	THORIUM-230	1 11	0.65	PCI/G
SC-23913-S-01	09/26/1999	URANIUM-238	1.34	2 68	PCI/G
SC-23913-S-RS	08/04/1999	RADIUM-226	1.26	0.43	PCI/G
SC-23913-S-RS	08/04/1999	RADIUM-228	1.92	0 51	PCI/G
SC-23913-S-RS	08/04/1999	THORIUM-230	4.39	0 64	PCI/G
SC-23913-S-RS	08/04/1999	URANIUM-238	6.04	3 23	PCI/G
SC-23914-S	02/01/1999	RADIUM-226	1.15	0 28	PCI/G
SC-23914-S	02/01/1999	RADIUM-228	0.49	0.98	PCI/G
SC-23914-S	02/01/1999	THORIUM-230	1 25	0.62	PCI/G
SC-23914-S	02/01/1999	URANIUM-238	1 43	2 86	PCI/G
SC-23914-S-01	09/26/1999	RADIUM-226	0 95	0 27	PCI/G
SC-23914-S-01	09/26/1999	RADIUM-228	0 97	0 5	PCI/G
SC-23914-S-01	09/26/1999	THORIUM-230	0.94	0 64	PCI/G
SC-23914-S-01	09/26/1999	URANIUM-238	1 24	2 48	PCI/G
SC-23915-S	05/07/1999	RADIUM-226	0 97	0 29	PCI/G
SC-23915-S	05/07/1999	RADIUM-228	1 07	0 45	PCI/G
SC-23915-S	05/07/1999	THORIUM-230	1 23	0 62	PCI/G
SC-23915-S	05/07/1999	URANIUM-238	1 27	2 54	PCI/G
SC-23915-S-01	09/26/1999	RADIUM-226	0 96	0 27	PCI/G
SC-23915-S-01	09/26/1999	RADIUM-228	1 15	0.37	PCI/G
SC-23915-S-01	09/26/1999	THORIUM-230	0.72	0 65	PCI/G
SC-23915-S-01	09/26/1999	URANIUM-238	1 325	2 65	PCI/G
SC-23917-S	08/24/1999	RADIUM-226	0 245	0 49	PCI/G
SC-23917-S	08/24/1999	RADIUM-228	0 47	0 94	PCI/G
SC-23917-S	08/24/1999	THORIUM-230	1 06	0 62	PCI/G
SC-23917-S	08/24/1999	URANIUM-238	1.355	2 71	PCI/G
SC-23918-S	08/24/1999	RADIUM-226	1 11	0.23	PCI/G
SC-23918-S	08/24/1999	RADIUM-228	1 04	0 48	PCI/G
SC-23918-S	08/24/1999	THORIUM-230	1.16	0 64	PCI/G
SC-23918-S	08/24/1999	URANIUM-238	1.29	2 58	PCI/G
SC-23919-S	02/01/1999	RADIUM-226	2.42	0 47	PCI/G
SC-23919-S	02/01/1999	RADIUM-228	3.32	0.55	PCI/G
SC-23919-S	02/01/1999	THORIUM-230	21.5	0 62	PCI/G
SC-23919-S	02/01/1999	URANIUM-238	2.115	4 23	PCI/G
SC-23919-S-01	09/26/1999	RADIUM-226	0 96	0 31	PCI/G
SC-23919-S-01	09/26/1999	RADIUM-228	0 39	0 78	PCI/G
SC-23919-S-01	09/26/1999	THORIUM-230	1.2	0 64	PCI/G
SC-23919-S-01	09/26/1999	URANIUM-238	1.26	2 52	PCI/G
SC-23919-S-RS	08/04/1999	RADIUM-226	0.98	0 3	PCI/G
SC-23919-S-RS	08/04/1999	RADIUM-228	1 31	0 44	PCI/G
SC-23919-S-RS	08/04/1999	THORIUM-230	2.14	0.64	PCI/G
SC-23919-S-RS	08/04/1999	URANIUM-238	3 82	2 16	PCI/G
SC-23920-S	02/01/1999	PAH	0	11	UG/KG
SC-23920-S	02/01/1999	RADIUM-226	0.91	0 34	PCI/G
SC-23920-S	02/01/1999	RADIUM-228	0.455	0.91	PCI/G
SC-23920-S	02/01/1999	THORIUM-230	1 12	0 62	PCI/G
SC-23920-S	02/01/1999	URANIUM-238	1 33	2 66	PCI/G
SC-23920-S-01	09/26/1999	RADIUM-226	0 98	0 26	PCI/G
SC-23920-S-01	09/26/1999	RADIUM-228	1.16	0 48	PCI/G
SC-23920-S-01	09/26/1999	THORIUM-230	0.68	0 62	PCI/G
SC-23920-S-01	09/26/1999	URANIUM-238	1 31	2.62	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-23921-S	05/07/1999	RADIUM-226	1	0.32	PCI/G
SC-23921-S	05/07/1999	RADIUM-228	0.43	0.86	PCI/G
SC-23921-S	05/07/1999	THORIUM-230	1.61	0.7	PCI/G
SC-23921-S	05/07/1999	URANIUM-238	1.205	2.41	PCI/G
SC-23921-S-01	09/26/1999	RADIUM-226	0.77	0.31	PCI/G
SC-23921-S-01	09/26/1999	RADIUM-228	0.51	1.02	PCI/G
SC-23921-S-01	09/26/1999	THORIUM-230	0.85	0.64	PCI/G
SC-23921-S-01	09/26/1999	URANIUM-238	1.33	2.66	PCI/G
SC-24001-S	07/24/1999	RADIUM-226	3.12	0.43	PCI/G
SC-24001-S	07/24/1999	RADIUM-228	0.575	1.15	PCI/G
SC-24001-S	07/24/1999	THORIUM-230	57.8	0.64	PCI/G
SC-24001-S	07/24/1999	URANIUM-238	1.905	3.81	PCI/G
SC-24001-S-RS	07/31/1999	THORIUM-230	1	0.64	PCI/G
SC-24002-S	07/24/1999	RADIUM-226	0.65	0.29	PCI/G
SC-24002-S	07/24/1999	RADIUM-228	1	0.38	PCI/G
SC-24002-S	07/24/1999	THORIUM-230	2.11	0.62	PCI/G
SC-24002-S	07/24/1999	URANIUM-238	1.295	2.59	PCI/G
SC-24003-S	07/24/1999	RADIUM-226	1.2	0.3	PCI/G
SC-24003-S	07/24/1999	RADIUM-228	1.15	0.44	PCI/G
SC-24003-S	07/24/1999	THORIUM-230	18.3	0.62	PCI/G
SC-24003-S	07/24/1999	URANIUM-238	1.415	2.83	PCI/G
SC-24003-S-RS	07/31/1999	THORIUM-230	1.26	0.62	PCI/G
SC-24004-S	07/24/1999	RADIUM-226	0.84	0.3	PCI/G
SC-24004-S	07/24/1999	RADIUM-228	1.1	0.45	PCI/G
SC-24004-S	07/24/1999	THORIUM-230	1.93	0.64	PCI/G
SC-24004-S	07/24/1999	URANIUM-238	1.295	2.59	PCI/G
SC-24005-S	07/24/1999	RADIUM-226	0.87	0.32	PCI/G
SC-24005-S	07/24/1999	RADIUM-228	0.475	0.95	PCI/G
SC-24005-S	07/24/1999	THORIUM-230	5.45	0.64	PCI/G
SC-24005-S	07/24/1999	URANIUM-238	1.31	2.62	PCI/G
SC-24006-S	07/24/1999	RADIUM-226	1.02	0.3	PCI/G
SC-24006-S	07/24/1999	RADIUM-228	1.3	0.31	PCI/G
SC-24006-S	07/24/1999	THORIUM-230	13.3	0.62	PCI/G
SC-24006-S	07/24/1999	URANIUM-238	1.28	2.56	PCI/G
SC-24006-S-RS	07/31/1999	THORIUM-230	1.04	0.62	PCI/G
SC-24007-S	07/24/1999	RADIUM-226	0.315	0.63	PCI/G
SC-24007-S	07/24/1999	RADIUM-228	1.02	0.56	PCI/G
SC-24007-S	07/24/1999	THORIUM-230	1.12	0.62	PCI/G
SC-24007-S	07/24/1999	URANIUM-238	1.285	2.57	PCI/G
SC-24008-S	07/24/1999	RADIUM-226	2.45	0.31	PCI/G
SC-24008-S	07/24/1999	RADIUM-228	1.6	0.42	PCI/G
SC-24008-S	07/24/1999	THORIUM-230	34.4	0.64	PCI/G
SC-24008-S	07/24/1999	URANIUM-238	1.585	3.17	PCI/G
SC-24008-S-RS	07/31/1999	THORIUM-230	0.88	0.64	PCI/G
SC-24009-S	07/24/1999	RADIUM-226	1.04	0.35	PCI/G
SC-24009-S	07/24/1999	RADIUM-228	0.495	0.99	PCI/G
SC-24009-S	07/24/1999	THORIUM-230	5.86	0.62	PCI/G
SC-24009-S	07/24/1999	URANIUM-238	1.285	2.57	PCI/G
SC-24010-S	07/16/1999	RADIUM-226	0.86	0.35	PCI/G
SC-24010-S	07/16/1999	RADIUM-228	1.64	0.45	PCI/G
SC-24010-S	07/16/1999	THORIUM-230	5.62	0.62	PCI/G
SC-24010-S	07/16/1999	URANIUM-238	2.02	2.57	PCI/G
SC-24011-S	07/16/1999	RADIUM-226	0.7	0.27	PCI/G
SC-24011-S	07/16/1999	RADIUM-228	1.13	0.36	PCI/G
SC-24011-S	07/16/1999	THORIUM-230	1.54	0.62	PCI/G
SC-24011-S	07/16/1999	URANIUM-238	1.24	2.48	PCI/G
SC-24012-S	07/24/1999	RADIUM-226	0.64	0.3	PCI/G
SC-24012-S	07/24/1999	RADIUM-228	1.24	0.43	PCI/G
SC-24012-S	07/24/1999	THORIUM-230	1.74	0.64	PCI/G
SC-24012-S	07/24/1999	URANIUM-238	1.28	2.56	PCI/G
SC-24013-S	07/16/1999	RADIUM-226	0.67	0.36	PCI/G
SC-24013-S	07/16/1999	RADIUM-228	0.475	0.95	PCI/G
SC-24013-S	07/16/1999	THORIUM-230	1.36	0.65	PCI/G
SC-24013-S	07/16/1999	URANIUM-238	1.205	2.41	PCI/G
SC-24014-S	07/16/1999	RADIUM-226	0.7	0.28	PCI/G
SC-24014-S	07/16/1999	RADIUM-228	1.22	0.4	PCI/G
SC-24014-S	07/16/1999	THORIUM-230	1.49	0.64	PCI/G
SC-24014-S	07/16/1999	URANIUM-238	1.325	2.65	PCI/G
SC-24015-S	07/16/1999	RADIUM-226	0.85	0.26	PCI/G
SC-24015-S	07/16/1999	RADIUM-228	0.475	0.95	PCI/G
SC-24015-S	07/16/1999	THORIUM-230	2.95	0.62	PCI/G
SC-24015-S	07/16/1999	URANIUM-238	1.225	2.45	PCI/G

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SC-24016-S	06/29/1999	RADIUM-226	0 59	0.22	PCI/G
SC-24016-S	06/29/1999	RADIUM-228	1 22	0.34	PCI/G
SC-24016-S	06/29/1999	THORIUM-230	0.95	0 64	PCI/G
SC-24016-S	06/29/1999	URANIUM-238	0 815	1 63	PCI/G
SC-24017-S	07/16/1999	RADIUM-226	0 68	0 28	PCI/G
SC-24017-S	07/16/1999	RADIUM-228	1.1	0 45	PCI/G
SC-24017-S	07/16/1999	THORIUM-230	1 57	0.62	PCI/G
SC-24017-S	07/16/1999	URANIUM-238	1 28	2 56	PCI/G
SC-24018-S	06/29/1999	RADIUM-226	0.62	0 32	PCI/G
SC-24018-S	06/29/1999	RADIUM-228	1.21	0 44	PCI/G
SC-24018-S	06/29/1999	THORIUM-230	6.11	0 65	PCI/G
SC-24018-S	06/29/1999	URANIUM-238	1 275	2.55	PCI/G
SC-24019-S	06/29/1999	RADIUM-226	0.27	0.54	PCI/G
SC-24019-S	06/29/1999	RADIUM-228	1 06	0 42	PCI/G
SC-24019-S	06/29/1999	THORIUM-230	2.25	0.64	PCI/G
SC-24019-S	06/29/1999	URANIUM-238	1.145	2.29	PCI/G
SC-24020-S	06/29/1999	RADIUM-226	0.57	0.29	PCI/G
SC-24020-S	06/29/1999	RADIUM-228	1	0.37	PCI/G
SC-24020-S	06/29/1999	THORIUM-230	1.06	0.62	PCI/G
SC-24020-S	06/29/1999	URANIUM-238	1 265	2.53	PCI/G
SC-24101-S	07/24/1999	RADIUM-226	2 71	0 42	PCI/G
SC-24101-S	07/24/1999	RADIUM-228	0 56	1 12	PCI/G
SC-24101-S	07/24/1999	THORIUM-230	60 2	0 64	PCI/G
SC-24101-S	07/24/1999	URANIUM-238	1.665	3 33	PCI/G
SC-24101-S-RS	07/31/1999	THORIUM-230	0.91	0 64	PCI/G
SC-24102-S	07/24/1999	RADIUM-226	0 83	0.29	PCI/G
SC-24102-S	07/24/1999	RADIUM-228	1 17	0 44	PCI/G
SC-24102-S	07/24/1999	THORIUM-230	5.83	0 62	PCI/G
SC-24102-S	07/24/1999	URANIUM-238	2.32	2 2	PCI/G
SC-24103-S	07/24/1999	RADIUM-226	0 28	0.56	PCI/G
SC-24103-S	07/24/1999	RADIUM-228	1 42	0 46	PCI/G
SC-24103-S	07/24/1999	THORIUM-230	2.66	0.62	PCI/G
SC-24103-S	07/24/1999	URANIUM-238	1 35	2 7	PCI/G
SC-24104-S	07/24/1999	RADIUM-226	0 87	0.28	PCI/G
SC-24104-S	07/24/1999	RADIUM-228	1 07	0 47	PCI/G
SC-24104-S	07/24/1999	THORIUM-230	3 77	0 64	PCI/G
SC-24104-S	07/24/1999	URANIUM-238	1 33	2 66	PCI/G
SC-24105-S	07/24/1999	RADIUM-226	0 77	0 31	PCI/G
SC-24105-S	07/24/1999	RADIUM-228	0 5	1	PCI/G
SC-24105-S	07/24/1999	THORIUM-230	1 5	0 64	PCI/G
SC-24105-S	07/24/1999	URANIUM-238	1 19	2.38	PCI/G
SC-24106-S	07/24/1999	RADIUM-226	0 64	0.32	PCI/G
SC-24106-S	07/24/1999	RADIUM-228	1.26	0.37	PCI/G
SC-24106-S	07/24/1999	THORIUM-230	1 52	0 64	PCI/G
SC-24106-S	07/24/1999	URANIUM-238	1.315	2 63	PCI/G
SC-24107-S	07/24/1999	RADIUM-226	0 73	0 31	PCI/G
SC-24107-S	07/24/1999	RADIUM-228	1 2	0 52	PCI/G
SC-24107-S	07/24/1999	THORIUM-230	5 93	0 62	PCI/G
SC-24107-S	07/24/1999	URANIUM-238	1 2	2 4	PCI/G
SC-24108-S	07/24/1999	RADIUM-226	0 81	0 31	PCI/G
SC-24108-S	07/24/1999	RADIUM-228	1 35	0 35	PCI/G
SC-24108-S	07/24/1999	THORIUM-230	4 3	0 62	PCI/G
SC-24108-S	07/24/1999	URANIUM-238	1 365	2 73	PCI/G
SC-24109-S	06/29/1999	RADIUM-226	0 31	0 62	PCI/G
SC-24109-S	06/29/1999	RADIUM-228	0 445	0 89	PCI/G
SC-24109-S	06/29/1999	THORIUM-230	1 31	0.64	PCI/G
SC-24109-S	06/29/1999	URANIUM-238	1 19	2.38	PCI/G
SC-24110-S	06/29/1999	RADIUM-226	0.66	0.3	PCI/G
SC-24110-S	06/29/1999	RADIUM-228	1 01	0.37	PCI/G
SC-24110-S	06/29/1999	THORIUM-230	7 91	0.65	PCI/G
SC-24110-S	06/29/1999	URANIUM-238	1 215	2.43	PCI/G
SC-24110-S-RS	07/15/1999	THORIUM-230	0.87	0 62	PCI/G
SC-24111-S	06/25/1999	RADIUM-226	0.82	0 35	PCI/G
SC-24111-S	06/25/1999	RADIUM-228	0 505	1 01	PCI/G
SC-24111-S	06/25/1999	THORIUM-230	15 5	0 62	PCI/G
SC-24111-S	06/25/1999	URANIUM-238	1.325	2 65	PCI/G
SC-24111-S-RS	07/15/1999	THORIUM-230	0 87	0 62	PCI/G
SC-24112-S	07/24/1999	RADIUM-226	0 305	0 61	PCI/G
SC-24112-S	07/24/1999	RADIUM-228	0 45	0.9	PCI/G
SC-24112-S	07/24/1999	THORIUM-230	1.63	0.62	PCI/G
SC-24112-S	07/24/1999	URANIUM-238	1 17	2.34	PCI/G
SC-24113-S	06/29/1999	RADIUM-226	0 55	0.31	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-24113-S	06/29/1999	RADIUM-228	0.44	0.88	PCI/G
SC-24113-S	06/29/1999	THORIUM-230	1.2	0.64	PCI/G
SC-24113-S	06/29/1999	URANIUM-238	1.35	2.7	PCI/G
SC-24114-S	06/29/1999	RADIUM-226	0.63	0.3	PCI/G
SC-24114-S	06/29/1999	RADIUM-228	1.13	0.43	PCI/G
SC-24114-S	06/29/1999	THORIUM-230	1.36	0.62	PCI/G
SC-24114-S	06/29/1999	URANIUM-238	1.275	2.55	PCI/G
SC-24115-S	06/25/1999	RADIUM-226	0.54	0.3	PCI/G
SC-24115-S	06/25/1999	RADIUM-228	0.81	0.42	PCI/G
SC-24115-S	06/25/1999	THORIUM-230	1.75	0.64	PCI/G
SC-24115-S	06/25/1999	URANIUM-238	1.21	2.42	PCI/G
SC-24116-S	06/25/1999	RADIUM-226	0.62	0.31	PCI/G
SC-24116-S	06/25/1999	RADIUM-228	1.18	0.56	PCI/G
SC-24116-S	06/25/1999	THORIUM-230	1.39	0.64	PCI/G
SC-24116-S	06/25/1999	URANIUM-238	1.26	2.52	PCI/G
SC-24117-S	06/29/1999	RADIUM-226	0.74	0.33	PCI/G
SC-24117-S	06/29/1999	RADIUM-228	0.505	1.01	PCI/G
SC-24117-S	06/29/1999	THORIUM-230	1.39	0.64	PCI/G
SC-24117-S	06/29/1999	URANIUM-238	1.29	2.58	PCI/G
SC-24118-S	06/29/1999	RADIUM-226	0.76	0.27	PCI/G
SC-24118-S	06/29/1999	RADIUM-228	1.12	0.38	PCI/G
SC-24118-S	06/29/1999	THORIUM-230	1.15	0.62	PCI/G
SC-24118-S	06/29/1999	URANIUM-238	1.24	2.48	PCI/G
SC-24119-S	06/25/1999	RADIUM-226	0.77	0.29	PCI/G
SC-24119-S	06/25/1999	RADIUM-228	1.26	0.43	PCI/G
SC-24119-S	06/25/1999	THORIUM-230	4.5	0.65	PCI/G
SC-24119-S	06/25/1999	URANIUM-238	1.315	2.63	PCI/G
SC-24120-S	06/25/1999	RADIUM-226	0.74	0.27	PCI/G
SC-24120-S	06/25/1999	RADIUM-228	0.99	0.64	PCI/G
SC-24120-S	06/25/1999	THORIUM-230	3.73	0.64	PCI/G
SC-24120-S	06/25/1999	URANIUM-238	1.325	2.65	PCI/G
SC-24201-S	07/24/1999	RADIUM-226	0.82	0.27	PCI/G
SC-24201-S	07/24/1999	RADIUM-228	1.15	0.43	PCI/G
SC-24201-S	07/24/1999	THORIUM-230	11.1	0.62	PCI/G
SC-24201-S	07/24/1999	URANIUM-238	1.32	2.64	PCI/G
SC-24202-S	07/24/1999	RADIUM-226	0.96	0.3	PCI/G
SC-24202-S	07/24/1999	RADIUM-228	0.95	0.56	PCI/G
SC-24202-S	07/24/1999	THORIUM-230	2.94	0.64	PCI/G
SC-24202-S	07/24/1999	URANIUM-238	1.25	2.5	PCI/G
SC-24203-S	07/24/1999	RADIUM-226	0.88	0.27	PCI/G
SC-24203-S	07/24/1999	RADIUM-228	1.11	0.4	PCI/G
SC-24203-S	07/24/1999	THORIUM-230	1.01	0.64	PCI/G
SC-24203-S	07/24/1999	URANIUM-238	1.305	2.61	PCI/G
SC-24204-S	07/24/1999	RADIUM-226	0.87	0.34	PCI/G
SC-24204-S	07/24/1999	RADIUM-228	1.08	0.51	PCI/G
SC-24204-S	07/24/1999	THORIUM-230	1.25	0.62	PCI/G
SC-24204-S	07/24/1999	URANIUM-238	1.25	2.5	PCI/G
SC-24205-S	07/24/1999	RADIUM-226	1.03	0.33	PCI/G
SC-24205-S	07/24/1999	RADIUM-228	1.37	0.36	PCI/G
SC-24205-S	07/24/1999	THORIUM-230	20	0.62	PCI/G
SC-24205-S	07/24/1999	URANIUM-238	1.445	2.89	PCI/G
SC-24205-S-RS	07/31/1999	THORIUM-230	1.06	0.62	PCI/G
SC-24206-S	07/24/1999	RADIUM-226	0.82	0.33	PCI/G
SC-24206-S	07/24/1999	RADIUM-228	1.09	0.42	PCI/G
SC-24206-S	07/24/1999	THORIUM-230	1.94	0.64	PCI/G
SC-24206-S	07/24/1999	URANIUM-238	1.225	2.45	PCI/G
SC-24207-S	07/24/1999	RADIUM-226	1.06	0.31	PCI/G
SC-24207-S	07/24/1999	RADIUM-228	1.02	0.52	PCI/G
SC-24207-S	07/24/1999	THORIUM-230	13	0.64	PCI/G
SC-24207-S	07/24/1999	URANIUM-238	1.35	2.7	PCI/G
SC-24208-S	07/24/1999	RADIUM-226	0.9	0.32	PCI/G
SC-24208-S	07/24/1999	RADIUM-228	0.49	0.98	PCI/G
SC-24208-S	07/24/1999	THORIUM-230	2	0.62	PCI/G
SC-24208-S	07/24/1999	URANIUM-238	1.3	2.6	PCI/G
SC-24209-S	07/24/1999	RADIUM-226	0.73	0.33	PCI/G
SC-24209-S	07/24/1999	RADIUM-228	1.14	0.45	PCI/G
SC-24209-S	07/24/1999	THORIUM-230	3.4	0.62	PCI/G
SC-24209-S	07/24/1999	URANIUM-238	1.275	2.55	PCI/G
SC-24210-S	07/24/1999	RADIUM-226	0.76	0.33	PCI/G
SC-24210-S	07/24/1999	RADIUM-228	1.19	0.48	PCI/G
SC-24210-S	07/24/1999	THORIUM-230	1.06	0.64	PCI/G
SC-24210-S	07/24/1999	URANIUM-238	1.26	2.52	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-24211-S	07/24/1999	RADIUM-226	0.84	0 26	PCI/G
SC-24211-S	07/24/1999	RADIUM-228	1.49	0 39	PCI/G
SC-24211-S	07/24/1999	THORIUM-230	1.27	0.62	PCI/G
SC-24211-S	07/24/1999	URANIUM-238	1.31	2.62	PCI/G
SC-24212-S	07/24/1999	RADIUM-226	0 86	0.26	PCI/G
SC-24212-S	07/24/1999	RADIUM-228	0.445	0 89	PCI/G
SC-24212-S	07/24/1999	THORIUM-230	1.63	0 64	PCI/G
SC-24212-S	07/24/1999	URANIUM-238	1.24	2 48	PCI/G
SC-24213-S	06/29/1999	RADIUM-226	0.72	0.27	PCI/G
SC-24213-S	06/29/1999	RADIUM-228	1.23	0 45	PCI/G
SC-24213-S	06/29/1999	THORIUM-230	0.99	0 64	PCI/G
SC-24213-S	06/29/1999	URANIUM-238	1 19	2.38	PCI/G
SC-24214-S	06/29/1999	RADIUM-226	0.67	0 29	PCI/G
SC-24214-S	06/29/1999	RADIUM-228	1 07	0 46	PCI/G
SC-24214-S	06/29/1999	THORIUM-230	1 87	0 65	PCI/G
SC-24214-S	06/29/1999	URANIUM-238	1 185	2.37	PCI/G
SC-24215-S	07/16/1999	RADIUM-226	0 79	0.35	PCI/G
SC-24215-S	07/16/1999	RADIUM-228	0.445	0.89	PCI/G
SC-24215-S	07/16/1999	THORIUM-230	1.4	0 65	PCI/G
SC-24215-S	07/16/1999	URANIUM-238	1 38	2 76	PCI/G
SC-24216-S	07/16/1999	RADIUM-226	0 77	0.3	PCI/G
SC-24216-S	07/16/1999	RADIUM-228	1 23	0 47	PCI/G
SC-24216-S	07/16/1999	THORIUM-230	8 15	0 62	PCI/G
SC-24216-S	07/16/1999	URANIUM-238	1 37	2 74	PCI/G
SC-24216-S-RS	07/20/1999	THORIUM-230	1 08	0 65	PCI/G
SC-24217-S	06/29/1999	RADIUM-226	0 49	0 31	PCI/G
SC-24217-S	06/29/1999	RADIUM-228	0 94	0 55	PCI/G
SC-24217-S	06/29/1999	THORIUM-230	1 24	0.64	PCI/G
SC-24217-S	06/29/1999	URANIUM-238	1 155	2 31	PCI/G
SC-24218-S	06/29/1999	RADIUM-226	0 58	0 29	PCI/G
SC-24218-S	06/29/1999	RADIUM-228	1 23	0 37	PCI/G
SC-24218-S	06/29/1999	THORIUM-230	1 11	0.62	PCI/G
SC-24218-S	06/29/1999	URANIUM-238	1 265	2 53	PCI/G
SC-24219-S	07/16/1999	RADIUM-226	0 3	0 6	PCI/G
SC-24219-S	07/16/1999	RADIUM-228	0.475	0 95	PCI/G
SC-24219-S	07/16/1999	THORIUM-230	0.99	0 65	PCI/G
SC-24219-S	07/16/1999	URANIUM-238	1.275	2 55	PCI/G
SC-24220-S	07/16/1999	RADIUM-226	0 69	0 31	PCI/G
SC-24220-S	07/16/1999	RADIUM-228	1.14	0 5	PCI/G
SC-24220-S	07/16/1999	THORIUM-230	2 09	0 64	PCI/G
SC-24220-S	07/16/1999	URANIUM-238	1 255	2 51	PCI/G
SC-24301-S	06/29/1999	RADIUM-226	0.29	0 58	PCI/G
SC-24301-S	06/29/1999	RADIUM-228	0 415	0 83	PCI/G
SC-24301-S	06/29/1999	THORIUM-230	1	0 64	PCI/G
SC-24301-S	06/29/1999	URANIUM-238	1.205	2 41	PCI/G
SC-24302-S	06/29/1999	RADIUM-226	0 55	0 24	PCI/G
SC-24302-S	06/29/1999	RADIUM-228	1 19	0 43	PCI/G
SC-24302-S	06/29/1999	THORIUM-230	1 35	0 62	PCI/G
SC-24302-S	06/29/1999	URANIUM-238	1 27	2 54	PCI/G
SC-24303-S	07/16/1999	RADIUM-226	4 78	0 34	PCI/G
SC-24303-S	07/16/1999	RADIUM-228	0 565	1 13	PCI/G
SC-24303-S	07/16/1999	THORIUM-230	64	0.62	PCI/G
SC-24303-S	07/16/1999	URANIUM-238	1 915	3.83	PCI/G
SC-24303-S-RS	07/20/1999	RADIUM-226	0.285	0 57	PCI/G
SC-24303-S-RS	07/20/1999	RADIUM-228	0 98	0 41	PCI/G
SC-24303-S-RS	07/20/1999	THORIUM-230	0.96	0 62	PCI/G
SC-24304-S	07/16/1999	RADIUM-226	1.27	0 29	PCI/G
SC-24304-S	07/16/1999	RADIUM-228	1.09	0 47	PCI/G
SC-24304-S	07/16/1999	THORIUM-230	21 4	0.62	PCI/G
SC-24304-S	07/16/1999	URANIUM-238	1 47	2.94	PCI/G
SC-24304-S-RS	07/20/1999	THORIUM-230	1.03	0 66	PCI/G
SC-24305-S	06/29/1999	RADIUM-226	0.33	0 66	PCI/G
SC-24305-S	06/29/1999	RADIUM-228	1.09	0.52	PCI/G
SC-24305-S	06/29/1999	THORIUM-230	1 06	0 64	PCI/G
SC-24305-S	06/29/1999	URANIUM-238	1.315	2.63	PCI/G
SC-24306-S	06/29/1999	RADIUM-226	0.71	0.26	PCI/G
SC-24306-S	06/29/1999	RADIUM-228	1 29	0 34	PCI/G
SC-24306-S	06/29/1999	THORIUM-230	1.35	0 62	PCI/G
SC-24306-S	06/29/1999	URANIUM-238	1.265	2 53	PCI/G
SC-24307-S	07/16/1999	RADIUM-226	3 95	0 38	PCI/G
SC-24307-S	07/16/1999	RADIUM-228	1.53	0 52	PCI/G
SC-24307-S	07/16/1999	THORIUM-230	81 4	0 65	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-24307-S	07/16/1999	URANIUM-238	1.915	3.83	PCI/G
SC-24307-S-RS	07/20/1999	THORIUM-230	1.19	0.64	PCI/G
SC-24308-S	07/16/1999	RADIUM-226	3.83	0.44	PCI/G
SC-24308-S	07/16/1999	RADIUM-228	1.3	0.65	PCI/G
SC-24308-S	07/16/1999	THORIUM-230	77.2	0.64	PCI/G
SC-24308-S	07/16/1999	URANIUM-238	1.95	3.9	PCI/G
SC-24308-S-RS	07/20/1999	RADIUM-226	0.85	0.26	PCI/G
SC-24308-S-RS	07/20/1999	RADIUM-228	1.31	0.33	PCI/G
SC-24308-S-RS	07/20/1999	THORIUM-230	1.47	0.65	PCI/G
SC-24309-S	06/25/1999	RADIUM-226	0.75	0.27	PCI/G
SC-24309-S	06/25/1999	RADIUM-228	1.06	0.39	PCI/G
SC-24309-S	06/25/1999	THORIUM-230	1.13	0.65	PCI/G
SC-24309-S	06/25/1999	URANIUM-238	1.3	2.6	PCI/G
SC-24310-S	06/25/1999	RADIUM-226	0.3	0.6	PCI/G
SC-24310-S	06/25/1999	RADIUM-228	0.46	0.92	PCI/G
SC-24310-S	06/25/1999	THORIUM-230	1.32	0.62	PCI/G
SC-24310-S	06/25/1999	URANIUM-238	1.225	2.45	PCI/G
SC-24311-S	07/16/1999	RADIUM-226	0.27	0.54	PCI/G
SC-24311-S	07/16/1999	RADIUM-228	0.545	1.09	PCI/G
SC-24311-S	07/16/1999	THORIUM-230	2.16	0.62	PCI/G
SC-24311-S	07/16/1999	URANIUM-238	1.155	2.31	PCI/G
SC-24312-S	07/16/1999	RADIUM-226	0.86	0.28	PCI/G
SC-24312-S	07/16/1999	RADIUM-228	1.01	0.38	PCI/G
SC-24312-S	07/16/1999	THORIUM-230	1.39	0.62	PCI/G
SC-24312-S	07/16/1999	URANIUM-238	1.29	2.58	PCI/G
SC-24313-S	06/18/1999	RADIUM-226	0.75	0.33	PCI/G
SC-24313-S	06/18/1999	RADIUM-228	0.485	0.97	PCI/G
SC-24313-S	06/18/1999	THORIUM-230	1.5	0.65	PCI/G
SC-24313-S	06/18/1999	URANIUM-238	1.325	2.65	PCI/G
SC-24314-S	06/18/1999	RADIUM-226	0.7	0.27	PCI/G
SC-24314-S	06/18/1999	RADIUM-228	0.99	0.48	PCI/G
SC-24314-S	06/18/1999	THORIUM-230	1.68	0.64	PCI/G
SC-24314-S	06/18/1999	URANIUM-238	1.235	2.47	PCI/G
SC-24315-S	06/18/1999	RADIUM-226	0.65	0.3	PCI/G
SC-24315-S	06/18/1999	RADIUM-228	1	0.45	PCI/G
SC-24315-S	06/18/1999	THORIUM-230	1.49	0.64	PCI/G
SC-24315-S	06/18/1999	URANIUM-238	1.31	2.62	PCI/G
SC-24316-S	06/18/1999	RADIUM-226	0.68	0.29	PCI/G
SC-24316-S	06/18/1999	RADIUM-228	1.32	0.41	PCI/G
SC-24316-S	06/18/1999	THORIUM-230	1.6	0.62	PCI/G
SC-24316-S	06/18/1999	URANIUM-238	1.255	2.51	PCI/G
SC-24317-S	06/18/1999	RADIUM-226	0.76	0.34	PCI/G
SC-24317-S	06/18/1999	RADIUM-228	0.45	0.9	PCI/G
SC-24317-S	06/18/1999	THORIUM-230	2.09	0.65	PCI/G
SC-24317-S	06/18/1999	URANIUM-238	1.285	2.57	PCI/G
SC-24318-S	06/18/1999	RADIUM-226	0.68	0.31	PCI/G
SC-24318-S	06/18/1999	RADIUM-228	1.17	0.43	PCI/G
SC-24318-S	06/18/1999	THORIUM-230	2.09	0.64	PCI/G
SC-24318-S	06/18/1999	URANIUM-238	1.27	2.54	PCI/G
SC-24319-S	06/18/1999	RADIUM-226	0.74	0.28	PCI/G
SC-24319-S	06/18/1999	RADIUM-228	0.425	0.85	PCI/G
SC-24319-S	06/18/1999	THORIUM-230	0.89	0.64	PCI/G
SC-24319-S	06/18/1999	URANIUM-238	1.26	2.52	PCI/G
SC-24320-S	06/18/1999	RADIUM-226	0.5	0.3	PCI/G
SC-24320-S	06/18/1999	RADIUM-228	1.03	0.51	PCI/G
SC-24320-S	06/18/1999	THORIUM-230	1	0.62	PCI/G
SC-24320-S	06/18/1999	URANIUM-238	1.29	2.58	PCI/G
SC-24401-S	06/29/1999	RADIUM-226	0.83	0.31	PCI/G
SC-24401-S	06/29/1999	RADIUM-228	0.545	1.09	PCI/G
SC-24401-S	06/29/1999	THORIUM-230	1.42	0.64	PCI/G
SC-24401-S	06/29/1999	URANIUM-238	1.34	2.68	PCI/G
SC-24402-S	06/29/1999	RADIUM-226	0.88	0.31	PCI/G
SC-24402-S	06/29/1999	RADIUM-228	1.11	0.43	PCI/G
SC-24402-S	06/29/1999	THORIUM-230	1.39	0.62	PCI/G
SC-24402-S	06/29/1999	URANIUM-238	1.28	2.56	PCI/G
SC-24403-S	06/25/1999	RADIUM-226	0.69	0.28	PCI/G
SC-24403-S	06/25/1999	RADIUM-228	0.98	0.44	PCI/G
SC-24403-S	06/25/1999	THORIUM-230	1.33	0.64	PCI/G
SC-24403-S	06/25/1999	URANIUM-238	1.225	2.45	PCI/G
SC-24404-S	06/25/1999	RADIUM-226	0.6	0.33	PCI/G
SC-24404-S	06/25/1999	RADIUM-228	1.37	0.44	PCI/G
SC-24404-S	06/25/1999	THORIUM-230	1.3	0.64	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-24404-S	06/25/1999	URANIUM-238	1 135	2.27	PCI/G
SC-24405-S	06/29/1999	RADIUM-226	0.67	0 33	PCI/G
SC-24405-S	06/29/1999	RADIUM-228	0.475	0.95	PCI/G
SC-24405-S	06/29/1999	THORIUM-230	1.21	0.64	PCI/G
SC-24405-S	06/29/1999	URANIUM-238	1.29	2.58	PCI/G
SC-24406-S	06/29/1999	RADIUM-226	0 73	0 32	PCI/G
SC-24406-S	06/29/1999	RADIUM-228	1.35	0 32	PCI/G
SC-24406-S	06/29/1999	THORIUM-230	1 7	0 65	PCI/G
SC-24406-S	06/29/1999	URANIUM-238	1.31	2 62	PCI/G
SC-24407-S	06/25/1999	RADIUM-226	0.8	0 3	PCI/G
SC-24407-S	06/25/1999	RADIUM-228	1.06	0.38	PCI/G
SC-24407-S	06/25/1999	THORIUM-230	1.35	0.65	PCI/G
SC-24407-S	06/25/1999	URANIUM-238	1.28	2.56	PCI/G
SC-24408-S	06/25/1999	RADIUM-226	0.73	0.33	PCI/G
SC-24408-S	06/25/1999	RADIUM-228	1 01	0 57	PCI/G
SC-24408-S	06/25/1999	THORIUM-230	1.05	0.62	PCI/G
SC-24408-S	06/25/1999	URANIUM-238	1.18	2.36	PCI/G
SC-24409-S	06/25/1999	RADIUM-226	0.66	0 27	PCI/G
SC-24409-S	06/25/1999	RADIUM-228	0.96	0.37	PCI/G
SC-24409-S	06/25/1999	THORIUM-230	0.92	0.64	PCI/G
SC-24409-S	06/25/1999	URANIUM-238	1.26	2.52	PCI/G
SC-24410-S	06/25/1999	RADIUM-226	0 71	0.32	PCI/G
SC-24410-S	06/25/1999	RADIUM-228	0.83	0.51	PCI/G
SC-24410-S	06/25/1999	THORIUM-230	2 56	0.64	PCI/G
SC-24410-S	06/25/1999	URANIUM-238	1.235	2 47	PCI/G
SC-24411-S	06/25/1999	RADIUM-226	0.78	0.28	PCI/G
SC-24411-S	06/25/1999	RADIUM-228	1.32	0 32	PCI/G
SC-24411-S	06/25/1999	THORIUM-230	4.85	0 65	PCI/G
SC-24411-S	06/25/1999	URANIUM-238	1.305	2 61	PCI/G
SC-24412-S	06/25/1999	RADIUM-226	0.64	0 2	PCI/G
SC-24412-S	06/25/1999	RADIUM-228	1 16	0.32	PCI/G
SC-24412-S	06/25/1999	THORIUM-230	1.6	0 62	PCI/G
SC-24412-S	06/25/1999	URANIUM-238	0 82	1 64	PCI/G
SC-24413-S	06/25/1999	RADIUM-226	0 74	0 27	PCI/G
SC-24413-S	06/25/1999	RADIUM-228	1 05	0 43	PCI/G
SC-24413-S	06/25/1999	THORIUM-230	1 3	0 64	PCI/G
SC-24413-S	06/25/1999	URANIUM-238	1.275	2.55	PCI/G
SC-24414-S	06/25/1999	RADIUM-226	0 77	0 32	PCI/G
SC-24414-S	06/25/1999	RADIUM-228	1.28	0 45	PCI/G
SC-24414-S	06/25/1999	THORIUM-230	2 92	0 64	PCI/G
SC-24414-S	06/25/1999	URANIUM-238	1.29	2 58	PCI/G
SC-24415-S	06/25/1999	RADIUM-226	0 77	0 25	PCI/G
SC-24415-S	06/25/1999	RADIUM-228	1 19	0 3	PCI/G
SC-24415-S	06/25/1999	THORIUM-230	4 13	0 65	PCI/G
SC-24415-S	06/25/1999	URANIUM-238	1 29	2.58	PCI/G
SC-24416-S	06/18/1999	RADIUM-226	0.29	0.58	PCI/G
SC-24416-S	06/18/1999	RADIUM-228	0.425	0 85	PCI/G
SC-24416-S	06/18/1999	THORIUM-230	1 82	0 64	PCI/G
SC-24416-S	06/18/1999	URANIUM-238	1.215	2.43	PCI/G
SC-24417-S	06/25/1999	RADIUM-226	0 76	0 27	PCI/G
SC-24417-S	06/25/1999	RADIUM-228	1 13	0 41	PCI/G
SC-24417-S	06/25/1999	THORIUM-230	1 54	0 62	PCI/G
SC-24417-S	06/25/1999	URANIUM-238	1.23	2 46	PCI/G
SC-24418-S	06/25/1999	RADIUM-226	0.68	0 27	PCI/G
SC-24418-S	06/25/1999	RADIUM-228	1 05	0.4	PCI/G
SC-24418-S	06/25/1999	THORIUM-230	3 36	0.64	PCI/G
SC-24418-S	06/25/1999	URANIUM-238	1.215	2.43	PCI/G
SC-24419-S	06/25/1999	RADIUM-226	1.05	0.27	PCI/G
SC-24419-S	06/25/1999	RADIUM-228	0.42	0.84	PCI/G
SC-24419-S	06/25/1999	THORIUM-230	9.94	0.64	PCI/G
SC-24419-S	06/25/1999	URANIUM-238	1.25	2 5	PCI/G
SC-24419-S-RS	07/15/1999	THORIUM-230	1 1	0 65	PCI/G
SC-24420-S	06/18/1999	RADIUM-226	1.05	0.27	PCI/G
SC-24420-S	06/18/1999	RADIUM-228	1	0 46	PCI/G
SC-24420-S	06/18/1999	THORIUM-230	1.33	0.62	PCI/G
SC-24420-S	06/18/1999	URANIUM-238	1.205	2 41	PCI/G
SC-24501-S	06/29/1999	RADIUM-226	0.96	0 33	PCI/G
SC-24501-S	06/29/1999	RADIUM-228	0 535	1 07	PCI/G
SC-24501-S	06/29/1999	THORIUM-230	1 11	0 64	PCI/G
SC-24501-S	06/29/1999	URANIUM-238	1.265	2.53	PCI/G
SC-24502-S	06/29/1999	RADIUM-226	0.62	0 25	PCI/G
SC-24502-S	06/29/1999	RADIUM-228	1 16	0 34	PCI/G

APPENDIX B WP-437 RU21 FINAL DATA

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-24502-S	06/29/1999	THORIUM-230	1.26	0.62	PCI/G
SC-24502-S	06/29/1999	URANIUM-238	1.27	2.54	PCI/G
SC-24503-S	06/29/1999	RADIUM-226	0.66	0.31	PCI/G
SC-24503-S	06/29/1999	RADIUM-228	1.14	0.48	PCI/G
SC-24503-S	06/29/1999	THORIUM-230	1.76	0.64	PCI/G
SC-24503-S	06/29/1999	URANIUM-238	1.3	2.6	PCI/G
SC-24504-S	06/29/1999	RADIUM-226	0.87	0.26	PCI/G
SC-24504-S	06/29/1999	RADIUM-228	1.28	0.41	PCI/G
SC-24504-S	06/29/1999	THORIUM-230	0.97	0.65	PCI/G
SC-24504-S	06/29/1999	URANIUM-238	1.29	2.58	PCI/G
SC-24505-S	06/25/1999	RADIUM-226	0.7	0.25	PCI/G
SC-24505-S	06/25/1999	RADIUM-228	1.19	0.4	PCI/G
SC-24505-S	06/25/1999	THORIUM-230	1.24	0.65	PCI/G
SC-24505-S	06/25/1999	URANIUM-238	1.24	2.48	PCI/G
SC-24506-S	06/29/1999	RADIUM-226	1.04	0.31	PCI/G
SC-24506-S	06/29/1999	RADIUM-228	0.52	1.04	PCI/G
SC-24506-S	06/29/1999	THORIUM-230	1.53	0.64	PCI/G
SC-24506-S	06/29/1999	URANIUM-238	1.215	2.43	PCI/G
SC-24506-S-RS	07/27/1999	RADIUM-226	0.8	0.32	PCI/G
SC-24506-S-RS	07/27/1999	RADIUM-228	1.14	0.49	PCI/G
SC-24506-S-RS	07/27/1999	THORIUM-230	1.39	0.64	PCI/G
SC-24506-S-RS	07/27/1999	URANIUM-238	1.155	2.31	PCI/G
SC-24507-S	06/29/1999	RADIUM-226	0.75	0.29	PCI/G
SC-24507-S	06/29/1999	RADIUM-228	1.36	0.42	PCI/G
SC-24507-S	06/29/1999	THORIUM-230	1.35	0.62	PCI/G
SC-24507-S	06/29/1999	URANIUM-238	1.225	2.45	PCI/G
SC-24508-S	06/29/1999	RADIUM-226	0.31	0.62	PCI/G
SC-24508-S	06/29/1999	RADIUM-228	0.475	0.95	PCI/G
SC-24508-S	06/29/1999	THORIUM-230	2.04	0.64	PCI/G
SC-24508-S	06/29/1999	URANIUM-238	1.225	2.45	PCI/G
SC-24509-S	06/25/1999	RADIUM-226	0.82	0.34	PCI/G
SC-24509-S	06/25/1999	RADIUM-228	0.4	0.8	PCI/G
SC-24509-S	06/25/1999	THORIUM-230	1.22	0.62	PCI/G
SC-24509-S	06/25/1999	URANIUM-238	1.19	2.38	PCI/G
SC-24510-S	06/25/1999	RADIUM-226	0.47	0.29	PCI/G
SC-24510-S	06/25/1999	RADIUM-228	1.09	0.35	PCI/G
SC-24510-S	06/25/1999	THORIUM-230	2	0.64	PCI/G
SC-24510-S	06/25/1999	URANIUM-238	1.245	2.49	PCI/G
SC-24511-S	06/25/1999	RADIUM-226	0.66	0.32	PCI/G
SC-24511-S	06/25/1999	RADIUM-228	0.49	0.98	PCI/G
SC-24511-S	06/25/1999	THORIUM-230	1.62	0.64	PCI/G
SC-24511-S	06/25/1999	URANIUM-238	1.235	2.47	PCI/G
SC-24512-S	06/25/1999	RADIUM-226	0.63	0.28	PCI/G
SC-24512-S	06/25/1999	RADIUM-228	1.07	0.41	PCI/G
SC-24512-S	06/25/1999	THORIUM-230	1.43	0.65	PCI/G
SC-24512-S	06/25/1999	URANIUM-238	1.195	2.39	PCI/G
SC-24513-S	06/25/1999	RADIUM-226	0.79	0.34	PCI/G
SC-24513-S	06/25/1999	RADIUM-228	0.46	0.92	PCI/G
SC-24513-S	06/25/1999	THORIUM-230	1.47	0.62	PCI/G
SC-24513-S	06/25/1999	URANIUM-238	1.35	2.7	PCI/G
SC-24514-S	06/25/1999	RADIUM-226	0.69	0.27	PCI/G
SC-24514-S	06/25/1999	RADIUM-228	0.69	0.38	PCI/G
SC-24514-S	06/25/1999	THORIUM-230	1.13	0.64	PCI/G
SC-24514-S	06/25/1999	URANIUM-238	1.265	2.53	PCI/G
SC-24515-S	06/25/1999	RADIUM-226	0.29	0.58	PCI/G
SC-24515-S	06/25/1999	RADIUM-228	0.445	0.89	PCI/G
SC-24515-S	06/25/1999	THORIUM-230	1.95	0.64	PCI/G
SC-24515-S	06/25/1999	URANIUM-238	1.29	2.58	PCI/G
SC-24516-S	06/25/1999	RADIUM-226	0.67	0.27	PCI/G
SC-24516-S	06/25/1999	RADIUM-228	0.87	0.38	PCI/G
SC-24516-S	06/25/1999	THORIUM-230	1.36	0.64	PCI/G
SC-24516-S	06/25/1999	URANIUM-238	1.24	2.48	PCI/G
SC-24517-S	06/25/1999	RADIUM-226	0.305	0.61	PCI/G
SC-24517-S	06/25/1999	RADIUM-228	0.49	0.98	PCI/G
SC-24517-S	06/25/1999	THORIUM-230	1.91	0.64	PCI/G
SC-24517-S	06/25/1999	URANIUM-238	1.18	2.36	PCI/G
SC-24518-S	06/25/1999	RADIUM-226	0.87	0.26	PCI/G
SC-24518-S	06/25/1999	RADIUM-228	0.95	0.37	PCI/G
SC-24518-S	06/25/1999	THORIUM-230	6.53	0.65	PCI/G
SC-24518-S	06/25/1999	URANIUM-238	1.315	2.63	PCI/G
SC-24518-S-RS	07/15/1999	THORIUM-230	1.18	0.64	PCI/G
SC-24519-S	06/25/1999	RADIUM-226	0.59	0.34	PCI/G

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SC-24519-S	06/25/1999	RADIUM-228	0 45	0 9	PCI/G
SC-24519-S	06/25/1999	THORIUM-230	1.44	0 62	PCI/G
SC-24519-S	06/25/1999	URANIUM-238	1.24	2 48	PCI/G
SC-24520-S	06/25/1999	RADIUM-226	0.75	0.26	PCI/G
SC-24520-S	06/25/1999	RADIUM-228	1 12	0 44	PCI/G
SC-24520-S	06/25/1999	THORIUM-230	2.17	0.64	PCI/G
SC-24520-S	06/25/1999	URANIUM-238	1 245	2 49	PCI/G
SC-24602-S	11/18/1999	RADIUM-226	0.76	0.3	PCI/G
SC-24602-S	11/18/1999	RADIUM-228	1.23	0.45	PCI/G
SC-24602-S	11/18/1999	THORIUM-230	1 62	0 64	PCI/G
SC-24602-S	11/18/1999	URANIUM-238	1 32	2.64	PCI/G
SC-24603-S	09/26/1999	RADIUM-226	0.89	0.28	PCI/G
SC-24603-S	09/26/1999	RADIUM-228	1.22	0.43	PCI/G
SC-24603-S	09/26/1999	THORIUM-230	1 01	0.65	PCI/G
SC-24603-S	09/26/1999	URANIUM-238	1 31	2.62	PCI/G
SC-24604-S	02/01/1999	RADIUM-226	1.99	0.37	PCI/G
SC-24604-S	02/01/1999	RADIUM-228	2 57	0.47	PCI/G
SC-24604-S	02/01/1999	THORIUM-230	13.2	0.62	PCI/G
SC-24604-S	02/01/1999	URANIUM-238	4 02	3.21	PCI/G
SC-24604-S-01	09/26/1999	RADIUM-226	0 95	0 33	PCI/G
SC-24604-S-01	09/26/1999	RADIUM-228	0 515	1 03	PCI/G
SC-24604-S-01	09/26/1999	THORIUM-230	0 9	0 64	PCI/G
SC-24604-S-01	09/26/1999	URANIUM-238	1 235	2 47	PCI/G
SC-24604-S-RS	08/04/1999	RADIUM-226	4 61	0 51	PCI/G
SC-24604-S-RS	08/04/1999	RADIUM-228	1 99	0.7	PCI/G
SC-24604-S-RS	08/04/1999	THORIUM-230	13.4	0 64	PCI/G
SC-24604-S-RS	08/04/1999	URANIUM-238	3 51	4 49	PCI/G
SC-24605-S	02/01/1999	RADIUM-226	1 09	0.34	PCI/G
SC-24605-S	02/01/1999	RADIUM-228	1 46	0 76	PCI/G
SC-24605-S	02/01/1999	THORIUM-230	1 39	0 62	PCI/G
SC-24605-S	02/01/1999	URANIUM-238	1.3	2.6	PCI/G
SC-24605-S-01	09/26/1999	RADIUM-226	0 91	0 31	PCI/G
SC-24605-S-01	09/26/1999	RADIUM-228	1 24	0 38	PCI/G
SC-24605-S-01	09/26/1999	THORIUM-230	1 28	0.62	PCI/G
SC-24605-S-01	09/26/1999	URANIUM-238	1 375	2.75	PCI/G
SC-24606-S	05/07/1999	RADIUM-226	0.84	0.33	PCI/G
SC-24606-S	05/07/1999	RADIUM-228	1.07	0.42	PCI/G
SC-24606-S	05/07/1999	THORIUM-230	2.37	0 7	PCI/G
SC-24606-S	05/07/1999	URANIUM-238	4.56	2.27	PCI/G
SC-24606-S-01	09/26/1999	RADIUM-226	1 02	0 37	PCI/G
SC-24606-S-01	09/26/1999	RADIUM-228	0 425	0 85	PCI/G
SC-24606-S-01	09/26/1999	THORIUM-230	0.83	0.64	PCI/G
SC-24606-S-01	09/26/1999	URANIUM-238	1 31	2 62	PCI/G
SC-24608-S	11/18/1999	RADIUM-226	0 75	0 35	PCI/G
SC-24608-S	11/18/1999	RADIUM-228	0 52	1 04	PCI/G
SC-24608-S	11/18/1999	THORIUM-230	1 63	0.64	PCI/G
SC-24608-S	11/18/1999	URANIUM-238	1.235	2 47	PCI/G
SC-24609-S	09/26/1999	RADIUM-226	1 02	0 31	PCI/G
SC-24609-S	09/26/1999	RADIUM-228	0 92	0 39	PCI/G
SC-24609-S	09/26/1999	THORIUM-230	0 95	0 65	PCI/G
SC-24609-S	09/26/1999	URANIUM-238	1 295	2 59	PCI/G
SC-24610-S	02/01/1999	RADIUM-226	2.11	0 44	PCI/G
SC-24610-S	02/01/1999	RADIUM-228	2.93	0 49	PCI/G
SC-24610-S	02/01/1999	THORIUM-230	20 2	0 62	PCI/G
SC-24610-S	02/01/1999	URANIUM-238	6 51	3 44	PCI/G
SC-24610-S-01	09/26/1999	RADIUM-226	1 1	0 32	PCI/G
SC-24610-S-01	09/26/1999	RADIUM-228	0.435	0 87	PCI/G
SC-24610-S-01	09/26/1999	THORIUM-230	1.32	0 64	PCI/G
SC-24610-S-01	09/26/1999	URANIUM-238	1 275	2 55	PCI/G
SC-24610-S-RS	08/04/1999	RADIUM-226	2 64	0 45	PCI/G
SC-24610-S-RS	08/04/1999	RADIUM-228	4 03	0.66	PCI/G
SC-24610-S-RS	08/04/1999	THORIUM-230	24.9	0 64	PCI/G
SC-24610-S-RS	08/04/1999	URANIUM-238	8.51	3 98	PCI/G
SC-24611-S	02/01/1999	RADIUM-226	1.29	0 38	PCI/G
SC-24611-S	02/01/1999	RADIUM-228	1 5	0.51	PCI/G
SC-24611-S	02/01/1999	THORIUM-230	3 99	0 62	PCI/G
SC-24611-S	02/01/1999	URANIUM-238	1 515	3.03	PCI/G
SC-24611-S-01	09/26/1999	RADIUM-226	0.73	0 3	PCI/G
SC-24611-S-01	09/26/1999	RADIUM-228	1 19	0 43	PCI/G
SC-24611-S-01	09/26/1999	THORIUM-230	1 23	0 65	PCI/G
SC-24611-S-01	09/26/1999	URANIUM-238	1 275	2 55	PCI/G
SC-24612-S	05/07/1999	RADIUM-226	0 3	0 6	PCI/G

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SC-24612-S	05/07/1999	RADIUM-228	1.2	0.49	PCI/G
SC-24612-S	05/07/1999	THORIUM-230	2.17	0.73	PCI/G
SC-24612-S	05/07/1999	URANIUM-238	1.285	2.57	PCI/G
SC-24612-S-01	09/26/1999	RADIUM-226	0.82	0.29	PCI/G
SC-24612-S-01	09/26/1999	RADIUM-228	0.505	1.01	PCI/G
SC-24612-S-01	09/26/1999	THORIUM-230	3.36	0.64	PCI/G
SC-24612-S-01	09/26/1999	URANIUM-238	2.9	2.89	PCI/G
SC-24614-S	09/28/1999	RADIUM-226	0.9	0.29	PCI/G
SC-24614-S	09/28/1999	RADIUM-228	1.36	0.4	PCI/G
SC-24614-S	09/28/1999	THORIUM-230	1.92	0.62	PCI/G
SC-24614-S	09/28/1999	URANIUM-238	1.215	2.43	PCI/G
SC-24615-S	09/28/1999	RADIUM-226	0.95	0.35	PCI/G
SC-24615-S	09/28/1999	RADIUM-228	0.49	0.98	PCI/G
SC-24615-S	09/28/1999	THORIUM-230	3.53	0.64	PCI/G
SC-24615-S	09/28/1999	URANIUM-238	1.48	2.96	PCI/G
SC-24616-S	02/01/1999	RADIUM-226	1.49	0.32	PCI/G
SC-24616-S	02/01/1999	RADIUM-228	1.4	0.53	PCI/G
SC-24616-S	02/01/1999	THORIUM-230	6.52	0.62	PCI/G
SC-24616-S	02/01/1999	URANIUM-238	3.15	2.83	PCI/G
SC-24616-S-01	09/26/1999	RADIUM-226	0.93	0.3	PCI/G
SC-24616-S-01	09/26/1999	RADIUM-228	1.24	0.36	PCI/G
SC-24616-S-01	09/26/1999	THORIUM-230	1.17	0.62	PCI/G
SC-24616-S-01	09/26/1999	URANIUM-238	1.36	2.72	PCI/G
SC-24616-S-RS	08/04/1999	RADIUM-226	4.44	0.51	PCI/G
SC-24616-S-RS	08/04/1999	RADIUM-228	4.17	0.82	PCI/G
SC-24616-S-RS	08/04/1999	THORIUM-230	26.9	0.64	PCI/G
SC-24616-S-RS	08/04/1999	URANIUM-238	12.5	4.95	PCI/G
SC-24617-S	02/01/1999	RADIUM-226	1.62	0.36	PCI/G
SC-24617-S	02/01/1999	RADIUM-228	0.565	1.13	PCI/G
SC-24617-S	02/01/1999	THORIUM-230	8.35	0.62	PCI/G
SC-24617-S	02/01/1999	URANIUM-238	1.665	3.33	PCI/G
SC-24617-S-01	09/26/1999	RADIUM-226	0.99	0.37	PCI/G
SC-24617-S-01	09/26/1999	RADIUM-228	0.495	0.99	PCI/G
SC-24617-S-01	09/26/1999	THORIUM-230	0.92	0.64	PCI/G
SC-24617-S-01	09/26/1999	URANIUM-238	1.315	2.63	PCI/G
SC-24617-S-HS01	02/10/1999	THORIUM-230	11.9	0.62	PCI/G
SC-24617-S-HS02	02/10/1999	THORIUM-230	7.39	0.62	PCI/G
SC-24617-S-HS03	02/10/1999	THORIUM-230	0.92	0.62	PCI/G
SC-24617-S-HS04	02/10/1999	THORIUM-230	3.4	0.62	PCI/G
SC-24617-S-RS	07/28/1999	THORIUM-230	1.23	0.62	PCI/G
SC-24618-S	05/07/1999	RADIUM-226	0.84	0.35	PCI/G
SC-24618-S	05/07/1999	RADIUM-228	1.07	0.46	PCI/G
SC-24618-S	05/07/1999	THORIUM-230	1.43	0.62	PCI/G
SC-24618-S	05/07/1999	URANIUM-238	1.295	2.59	PCI/G
SC-24618-S-01	09/26/1999	RADIUM-226	0.97	0.29	PCI/G
SC-24618-S-01	09/26/1999	RADIUM-228	1.01	0.42	PCI/G
SC-24618-S-01	09/26/1999	THORIUM-230	1.21	0.65	PCI/G
SC-24618-S-01	09/26/1999	URANIUM-238	1.27	2.54	PCI/G
SC-24621-S	09/28/1999	RADIUM-226	0.8	0.29	PCI/G
SC-24621-S	09/28/1999	RADIUM-228	1.25	0.42	PCI/G
SC-24621-S	09/28/1999	THORIUM-230	1.26	0.65	PCI/G
SC-24621-S	09/28/1999	URANIUM-238	1.285	2.57	PCI/G
SC-24622-S	02/01/1999	RADIUM-226	2.9	0.48	PCI/G
SC-24622-S	02/01/1999	RADIUM-228	4.59	0.53	PCI/G
SC-24622-S	02/01/1999	THORIUM-230	32.6	0.62	PCI/G
SC-24622-S	02/01/1999	URANIUM-238	11.8	4.37	PCI/G
SC-24622-S-01	09/26/1999	RADIUM-226	0.9	0.38	PCI/G
SC-24622-S-01	09/26/1999	RADIUM-228	0.51	1.02	PCI/G
SC-24622-S-01	09/26/1999	THORIUM-230	4.1	0.64	PCI/G
SC-24622-S-01	09/26/1999	URANIUM-238	1.38	2.76	PCI/G
SC-24622-S-RS	08/04/1999	RADIUM-226	3.85	0.42	PCI/G
SC-24622-S-RS	08/04/1999	RADIUM-228	3.84	0.6	PCI/G
SC-24622-S-RS	08/04/1999	THORIUM-230	26.2	0.64	PCI/G
SC-24622-S-RS	08/04/1999	URANIUM-238	12.3	4.18	PCI/G
SC-24623-S	02/01/1999	RADIUM-226	1.11	0.28	PCI/G
SC-24623-S	02/01/1999	RADIUM-228	0.51	1.02	PCI/G
SC-24623-S	02/01/1999	THORIUM-230	2.28	0.62	PCI/G
SC-24623-S	02/01/1999	URANIUM-238	1.4	2.8	PCI/G
SC-24623-S-01	09/26/1999	RADIUM-226	0.78	0.33	PCI/G
SC-24623-S-01	09/26/1999	RADIUM-228	1.25	0.46	PCI/G
SC-24623-S-01	09/26/1999	THORIUM-230	1.06	0.62	PCI/G
SC-24623-S-01	09/26/1999	URANIUM-238	1.35	2.7	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-24624-S	05/07/1999	RADIUM-226	0.9	0.35	PCI/G
SC-24624-S	05/07/1999	RADIUM-228	0 44	0.88	PCI/G
SC-24624-S	05/07/1999	THORIUM-230	2 27	0 7	PCI/G
SC-24624-S	05/07/1999	URANIUM-238	1 4	2.8	PCI/G
SC-24624-S-01	09/26/1999	RADIUM-226	0 295	0 59	PCI/G
SC-24624-S-01	09/26/1999	RADIUM-228	0 49	0 98	PCI/G
SC-24624-S-01	09/26/1999	THORIUM-230	1 02	0.64	PCI/G
SC-24624-S-01	09/26/1999	URANIUM-238	1 285	2 57	PCI/G
SC-24624-S-RS01	09/21/1999	RADIUM-226	0.91	0 34	PCI/G
SC-24624-S-RS01	09/21/1999	RADIUM-228	1.21	0 49	PCI/G
SC-24624-S-RS01	09/21/1999	THORIUM-230	0.82	0.64	PCI/G
SC-24624-S-RS01	09/21/1999	URANIUM-238	1 19	2.38	PCI/G
SC-24701-S	06/09/1999	RADIUM-226	0.27	0.54	PCI/G
SC-24701-S	06/09/1999	RADIUM-228	1 3	0 32	PCI/G
SC-24701-S	06/09/1999	THORIUM-230	1 06	0 65	PCI/G
SC-24701-S	06/09/1999	URANIUM-238	1.275	2 55	PCI/G
SC-24702-S	06/09/1999	RADIUM-226	0 93	0 29	PCI/G
SC-24702-S	06/09/1999	RADIUM-228	1 25	0 46	PCI/G
SC-24702-S	06/09/1999	THORIUM-230	1.03	0 64	PCI/G
SC-24702-S	06/09/1999	URANIUM-238	1 36	2 72	PCI/G
SC-24703-S	06/09/1999	RADIUM-226	0.31	0 62	PCI/G
SC-24703-S	06/09/1999	RADIUM-228	1.22	0 42	PCI/G
SC-24703-S	06/09/1999	THORIUM-230	1 1	0 62	PCI/G
SC-24703-S	06/09/1999	URANIUM-238	1 24	2 48	PCI/G
SC-24704-S	06/09/1999	RADIUM-226	0 77	0.29	PCI/G
SC-24704-S	06/09/1999	RADIUM-228	1 22	0.35	PCI/G
SC-24704-S	06/09/1999	THORIUM-230	1 25	0 65	PCI/G
SC-24704-S	06/09/1999	URANIUM-238	1 28	2.56	PCI/G
SC-24705-S	06/09/1999	RADIUM-226	0 55	0.35	PCI/G
SC-24705-S	06/09/1999	RADIUM-228	1 2	0 49	PCI/G
SC-24705-S	06/09/1999	THORIUM-230	1 12	0 65	PCI/G
SC-24705-S	06/09/1999	URANIUM-238	1 235	2 47	PCI/G
SC-24705-S-RS01	06/17/1999	RADIUM-226	0 52	0 32	PCI/G
SC-24705-S-RS01	06/17/1999	RADIUM-228	0 51	1 02	PCI/G
SC-24705-S-RS01	06/17/1999	THORIUM-230	0.88	0 64	PCI/G
SC-24705-S-RS01	06/17/1999	URANIUM-238	1 095	2.19	PCI/G
SC-24706-S	06/09/1999	RADIUM-226	0 64	0.29	PCI/G
SC-24706-S	06/09/1999	RADIUM-228	1 1	0 3	PCI/G
SC-24706-S	06/09/1999	THORIUM-230	1 48	0 64	PCI/G
SC-24706-S	06/09/1999	URANIUM-238	1 27	2 54	PCI/G
SC-24707-S	06/09/1999	RADIUM-226	0 81	0 33	PCI/G
SC-24707-S	06/09/1999	RADIUM-228	0 435	0 87	PCI/G
SC-24707-S	06/09/1999	THORIUM-230	0.95	0.62	PCI/G
SC-24707-S	06/09/1999	URANIUM-238	1 19	2 38	PCI/G
SC-24708-S	06/09/1999	RADIUM-226	0 75	0 29	PCI/G
SC-24708-S	06/09/1999	RADIUM-228	1 06	0 47	PCI/G
SC-24708-S	06/09/1999	THORIUM-230	1 1	0 65	PCI/G
SC-24708-S	06/09/1999	URANIUM-238	1.31	2.62	PCI/G
SC-24709-S	06/09/1999	RADIUM-226	0 57	0 31	PCI/G
SC-24709-S	06/09/1999	RADIUM-228	1 03	0 61	PCI/G
SC-24709-S	06/09/1999	THORIUM-230	1 1	0 65	PCI/G
SC-24709-S	06/09/1999	URANIUM-238	1.275	2 55	PCI/G
SC-24710-S	06/09/1999	RADIUM-226	1 29	0 26	PCI/G
SC-24710-S	06/09/1999	RADIUM-228	1 27	0 43	PCI/G
SC-24710-S	06/09/1999	THORIUM-230	9 12	0 64	PCI/G
SC-24710-S	06/09/1999	URANIUM-238	1.42	2 84	PCI/G
SC-24710-S-RS	06/17/1999	THORIUM-230	0 98	0 64	PCI/G
SC-24711-S	06/09/1999	RADIUM-226	0.77	0.31	PCI/G
SC-24711-S	06/09/1999	RADIUM-228	0 475	0 95	PCI/G
SC-24711-S	06/09/1999	THORIUM-230	1 88	0.62	PCI/G
SC-24711-S	06/09/1999	URANIUM-238	1 24	2.48	PCI/G
SC-24712-S	06/09/1999	RADIUM-226	0 89	0.26	PCI/G
SC-24712-S	06/09/1999	RADIUM-228	1 09	0.43	PCI/G
SC-24712-S	06/09/1999	THORIUM-230	0.94	0 65	PCI/G
SC-24712-S	06/09/1999	URANIUM-238	1.32	2.64	PCI/G
SC-24713-S	06/09/1999	RADIUM-226	0 81	0.33	PCI/G
SC-24713-S	06/09/1999	RADIUM-228	0 425	0 85	PCI/G
SC-24713-S	06/09/1999	THORIUM-230	1 07	0 62	PCI/G
SC-24713-S	06/09/1999	URANIUM-238	1 17	2 34	PCI/G
SC-24714-S	06/09/1999	RADIUM-226	0 88	0 28	PCI/G
SC-24714-S	06/09/1999	RADIUM-228	1 03	0 39	PCI/G
SC-24714-S	06/09/1999	THORIUM-230	1 72	0 65	PCI/G

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SC-24714-S	06/09/1999	URANIUM-238	1.27	2.54	PCI/G
SC-24715-S	06/09/1999	RADIUM-226	0.325	0.65	PCI/G
SC-24715-S	06/09/1999	RADIUM-228	0.455	0.91	PCI/G
SC-24715-S	06/09/1999	THORIUM-230	0.97	0.65	PCI/G
SC-24715-S	06/09/1999	URANIUM-238	1.19	2.38	PCI/G
SC-24715-S-RS01	06/17/1999	RADIUM-226	0.75	0.27	PCI/G
SC-24715-S-RS01	06/17/1999	RADIUM-228	1.21	0.42	PCI/G
SC-24715-S-RS01	06/17/1999	THORIUM-230	1.45	0.62	PCI/G
SC-24715-S-RS01	06/17/1999	URANIUM-238	1.19	2.38	PCI/G
SC-24716-S	04/14/1999	RADIUM-226	1.69	0.795	PCI/G
SC-24716-S	04/14/1999	RADIUM-228	1.39	1.12	PCI/G
SC-24716-S	04/14/1999	THORIUM-230	5.36	0.09	PCI/G
SC-24716-S	04/14/1999	THORIUM-232	0.85	0.082	PCI/G
SC-24716-S	04/14/1999	URANIUM-238	0.214	4.81	PCI/G
SC-24716-S-01	07/15/1999	RADIUM-226	1.24	0.37	PCI/G
SC-24716-S-01	07/15/1999	RADIUM-228	1.49	0.51	PCI/G
SC-24716-S-01	07/15/1999	THORIUM-230	1.37	0.62	PCI/G
SC-24716-S-01	07/15/1999	URANIUM-238	1.325	2.65	PCI/G
SC-24716-S-RS01	06/17/1999	RADIUM-226	1.26	0.42	PCI/G
SC-24716-S-RS01	06/17/1999	RADIUM-228	0.5	1	PCI/G
SC-24716-S-RS01	06/17/1999	THORIUM-230	18.4	0.65	PCI/G
SC-24716-S-RS01	06/17/1999	URANIUM-238	1.525	3.05	PCI/G
SC-24716-S-RS01-RS	06/24/1999	THORIUM-230	1.14	0.62	PCI/G
SC-24717-S	06/09/1999	RADIUM-226	0.52	0.32	PCI/G
SC-24717-S	06/09/1999	RADIUM-228	0.92	0.42	PCI/G
SC-24717-S	06/09/1999	THORIUM-230	0.99	0.64	PCI/G
SC-24717-S	06/09/1999	URANIUM-238	1.3	2.6	PCI/G
SC-24718-S	06/09/1999	RADIUM-226	0.75	0.33	PCI/G
SC-24718-S	06/09/1999	RADIUM-228	1.35	0.47	PCI/G
SC-24718-S	06/09/1999	THORIUM-230	1	0.62	PCI/G
SC-24718-S	06/09/1999	URANIUM-238	1.275	2.55	PCI/G
SC-24719-S	06/09/1999	RADIUM-226	0.88	0.26	PCI/G
SC-24719-S	06/09/1999	RADIUM-228	1.45	0.42	PCI/G
SC-24719-S	06/09/1999	THORIUM-230	0.96	0.65	PCI/G
SC-24719-S	06/09/1999	URANIUM-238	1.31	2.62	PCI/G
SC-24720-S	06/09/1999	RADIUM-226	0.8	0.34	PCI/G
SC-24720-S	06/09/1999	RADIUM-228	0.415	0.83	PCI/G
SC-24720-S	06/09/1999	THORIUM-230	1.46	0.65	PCI/G
SC-24720-S	06/09/1999	URANIUM-238	1.275	2.55	PCI/G
SC-24721-S	06/09/1999	RADIUM-226	0.74	0.28	PCI/G
SC-24721-S	06/09/1999	RADIUM-228	1.17	0.5	PCI/G
SC-24721-S	06/09/1999	THORIUM-230	1.07	0.64	PCI/G
SC-24721-S	06/09/1999	URANIUM-238	1.29	2.58	PCI/G
SC-24722-S	04/14/1999	RADIUM-226	1.11	0.475	PCI/G
SC-24722-S	04/14/1999	RADIUM-228	1.48	0.911	PCI/G
SC-24722-S	04/14/1999	THORIUM-230	0.808	0.076	PCI/G
SC-24722-S	04/14/1999	THORIUM-232	0.47	0.076	PCI/G
SC-24722-S	04/14/1999	URANIUM-238	1.91	3.23	PCI/G
SC-24801-S	06/09/1999	RADIUM-226	0.67	0.36	PCI/G
SC-24801-S	06/09/1999	RADIUM-228	0.495	0.99	PCI/G
SC-24801-S	06/09/1999	THORIUM-230	1.03	0.62	PCI/G
SC-24801-S	06/09/1999	URANIUM-238	1.19	2.38	PCI/G
SC-24802-S	06/09/1999	RADIUM-226	0.78	0.28	PCI/G
SC-24802-S	06/09/1999	RADIUM-228	0.87	0.47	PCI/G
SC-24802-S	06/09/1999	THORIUM-230	1.22	0.65	PCI/G
SC-24802-S	06/09/1999	URANIUM-238	1.27	2.54	PCI/G
SC-24803-S	06/09/1999	RADIUM-226	0.84	0.32	PCI/G
SC-24803-S	06/09/1999	RADIUM-228	1.01	0.5	PCI/G
SC-24803-S	06/09/1999	THORIUM-230	1.19	0.65	PCI/G
SC-24803-S	06/09/1999	URANIUM-238	1.055	2.11	PCI/G
SC-24804-S	06/09/1999	RADIUM-226	0.88	0.29	PCI/G
SC-24804-S	06/09/1999	RADIUM-228	1.16	0.48	PCI/G
SC-24804-S	06/09/1999	THORIUM-230	1.07	0.64	PCI/G
SC-24804-S	06/09/1999	URANIUM-238	1.325	2.65	PCI/G
SC-24805-S	06/09/1999	RADIUM-226	0.31	0.62	PCI/G
SC-24805-S	06/09/1999	RADIUM-228	0.42	0.84	PCI/G
SC-24805-S	06/09/1999	THORIUM-230	1.05	0.62	PCI/G
SC-24805-S	06/09/1999	URANIUM-238	1.165	2.33	PCI/G
SC-24806-S	04/14/1999	RADIUM-226	1.15	1.01	PCI/G
SC-24806-S	04/14/1999	RADIUM-228	1	2	PCI/G
SC-24806-S	04/14/1999	THORIUM-230	1.7	0.091	PCI/G
SC-24806-S	04/14/1999	THORIUM-232	0.602	0.091	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-24806-S	04/14/1999	URANIUM-238	0.88	3.05	PCI/G
SC-24807-S	06/09/1999	RADIUM-226	0.83	0.3	PCI/G
SC-24807-S	06/09/1999	RADIUM-228	1.19	0 4	PCI/G
SC-24807-S	06/09/1999	THORIUM-230	1.02	0.65	PCI/G
SC-24807-S	06/09/1999	URANIUM-238	1.27	2.54	PCI/G
SC-24808-S	06/09/1999	RADIUM-226	0 86	0.33	PCI/G
SC-24808-S	06/09/1999	RADIUM-228	1 35	0.43	PCI/G
SC-24808-S	06/09/1999	THORIUM-230	1 1	0.65	PCI/G
SC-24808-S	06/09/1999	URANIUM-238	1.265	2 53	PCI/G
SC-24809-S	06/09/1999	RADIUM-226	0.84	0.23	PCI/G
SC-24809-S	06/09/1999	RADIUM-228	1 16	0.51	PCI/G
SC-24809-S	06/09/1999	THORIUM-230	0.92	0.65	PCI/G
SC-24809-S	06/09/1999	URANIUM-238	1.215	2.43	PCI/G
SC-24810-S	06/09/1999	RADIUM-226	0.97	0.28	PCI/G
SC-24810-S	06/09/1999	RADIUM-228	0.465	0.93	PCI/G
SC-24810-S	06/09/1999	THORIUM-230	1.27	0.64	PCI/G
SC-24810-S	06/09/1999	URANIUM-238	1.26	2.52	PCI/G
SC-24811-S	06/09/1999	RADIUM-226	0.68	0.27	PCI/G
SC-24811-S	06/09/1999	RADIUM-228	1.22	0.4	PCI/G
SC-24811-S	06/09/1999	THORIUM-230	0.93	0.64	PCI/G
SC-24811-S	06/09/1999	URANIUM-238	1.225	2 45	PCI/G
SC-24812-S	04/14/1999	RADIUM-226	1.06	0.496	PCI/G
SC-24812-S	04/14/1999	RADIUM-228	1.65	0 922	PCI/G
SC-24812-S	04/14/1999	THORIUM-230	0 944	0.058	PCI/G
SC-24812-S	04/14/1999	THORIUM-232	0 468	0.058	PCI/G
SC-24812-S	04/14/1999	URANIUM-238	2.44	4.08	PCI/G
SC-24813-S	06/04/1999	RADIUM-226	0 82	0 35	PCI/G
SC-24813-S	06/04/1999	RADIUM-228	0 45	0 9	PCI/G
SC-24813-S	06/04/1999	THORIUM-230	1 01	0.65	PCI/G
SC-24813-S	06/04/1999	URANIUM-238	1 455	2.91	PCI/G
SC-24814-S	06/04/1999	RADIUM-226	0 97	0 31	PCI/G
SC-24814-S	06/04/1999	RADIUM-228	1 41	0 34	PCI/G
SC-24814-S	06/04/1999	THORIUM-230	1.05	0 64	PCI/G
SC-24814-S	06/04/1999	URANIUM-238	1.31	2 62	PCI/G
SC-24815-S	06/04/1999	RADIUM-226	0 77	0 32	PCI/G
SC-24815-S	06/04/1999	RADIUM-228	0.495	0 99	PCI/G
SC-24815-S	06/04/1999	THORIUM-230	1 06	0.62	PCI/G
SC-24815-S	06/04/1999	URANIUM-238	1.16	2.32	PCI/G
SC-24816-S	06/04/1999	RADIUM-226	0.69	0.31	PCI/G
SC-24816-S	06/04/1999	RADIUM-228	0.92	0 39	PCI/G
SC-24816-S	06/04/1999	THORIUM-230	2 23	0 65	PCI/G
SC-24816-S	06/04/1999	URANIUM-238	1.325	2 65	PCI/G
SC-24816-S-RS01	06/17/1999	RADIUM-226	0 85	0 28	PCI/G
SC-24816-S-RS01	06/17/1999	RADIUM-228	0 99	0 43	PCI/G
SC-24816-S-RS01	06/17/1999	THORIUM-230	0 89	0 64	PCI/G
SC-24816-S-RS01	06/17/1999	URANIUM-238	1 2	2.4	PCI/G
SC-24816-S-RS02	06/17/1999	RADIUM-226	0 79	0 3	PCI/G
SC-24816-S-RS02	06/17/1999	RADIUM-228	0 44	0 88	PCI/G
SC-24816-S-RS02	06/17/1999	THORIUM-230	1 11	0 64	PCI/G
SC-24816-S-RS02	06/17/1999	URANIUM-238	1 265	2 53	PCI/G
SC-24817-S	06/04/1999	RADIUM-226	0 98	0 31	PCI/G
SC-24817-S	06/04/1999	RADIUM-228	1 31	0 46	PCI/G
SC-24817-S	06/04/1999	THORIUM-230	1 33	0 65	PCI/G
SC-24817-S	06/04/1999	URANIUM-238	1.25	2 5	PCI/G
SC-24817-S-RS01	06/17/1999	RADIUM-226	0.53	0 28	PCI/G
SC-24817-S-RS01	06/17/1999	RADIUM-228	1.25	0.4	PCI/G
SC-24817-S-RS01	06/17/1999	THORIUM-230	0 95	0.62	PCI/G
SC-24817-S-RS01	06/17/1999	URANIUM-238	1.285	2.57	PCI/G
SC-24818-S	04/14/1999	RADIUM-226	1.37	0.79	PCI/G
SC-24818-S	04/14/1999	RADIUM-228	1.18	0.932	PCI/G
SC-24818-S	04/14/1999	THORIUM-230	2.51	0.174	PCI/G
SC-24818-S	04/14/1999	THORIUM-232	0.367	0.158	PCI/G
SC-24818-S	04/14/1999	URANIUM-238	0 796	3.52	PCI/G
SC-24818-S-RS01	06/17/1999	RADIUM-226	0.83	0.29	PCI/G
SC-24818-S-RS01	06/17/1999	RADIUM-228	0.435	0 87	PCI/G
SC-24818-S-RS01	06/17/1999	THORIUM-230	0.85	0.65	PCI/G
SC-24818-S-RS01	06/17/1999	URANIUM-238	1.215	2 43	PCI/G
SC-24818-S-RS02	06/17/1999	RADIUM-226	3.85	0 44	PCI/G
SC-24818-S-RS02	06/17/1999	RADIUM-228	0.535	1 07	PCI/G
SC-24818-S-RS02	06/17/1999	THORIUM-230	47.2	0 64	PCI/G
SC-24818-S-RS02	06/17/1999	URANIUM-238	1.665	3.33	PCI/G
SC-24818-S-RS02-RS	06/24/1999	THORIUM-230	1 07	0.64	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-24901-S	06/16/1999	RADIUM-226	0.95	0.38	PCI/G
SC-24901-S	06/16/1999	RADIUM-228	0.53	1.06	PCI/G
SC-24901-S	06/16/1999	THORIUM-230	33.1	0.65	PCI/G
SC-24901-S	06/16/1999	URANIUM-238	1.44	2.88	PCI/G
SC-24901-S-RS	06/23/1999	THORIUM-230	1.06	0.62	PCI/G
SC-24902-S	06/16/1999	RADIUM-226	0.75	0.27	PCI/G
SC-24902-S	06/16/1999	RADIUM-228	1.31	0.36	PCI/G
SC-24902-S	06/16/1999	THORIUM-230	1.18	0.64	PCI/G
SC-24902-S	06/16/1999	URANIUM-238	1.275	2.55	PCI/G
SC-24903-S	06/09/1999	RADIUM-226	0.285	0.57	PCI/G
SC-24903-S	06/09/1999	RADIUM-228	0.475	0.95	PCI/G
SC-24903-S	06/09/1999	THORIUM-230	0.7	0.65	PCI/G
SC-24903-S	06/09/1999	URANIUM-238	1.425	2.85	PCI/G
SC-24904-S	06/09/1999	RADIUM-226	4.24	0.51	PCI/G
SC-24904-S	06/09/1999	RADIUM-228	0.57	1.14	PCI/G
SC-24904-S	06/09/1999	THORIUM-230	86.2	0.64	PCI/G
SC-24904-S	06/09/1999	URANIUM-238	1.89	3.78	PCI/G
SC-24904-S-RS	06/23/1999	RADIUM-226	0.295	0.59	PCI/G
SC-24904-S-RS	06/23/1999	RADIUM-228	0.52	1.04	PCI/G
SC-24904-S-RS	06/23/1999	THORIUM-230	1.4	0.64	PCI/G
SC-24905-S	06/09/1999	RADIUM-226	1.17	0.36	PCI/G
SC-24905-S	06/09/1999	RADIUM-228	0.52	1.04	PCI/G
SC-24905-S	06/09/1999	THORIUM-230	21.4	0.62	PCI/G
SC-24905-S	06/09/1999	URANIUM-238	1.51	3.02	PCI/G
SC-24905-S-RS	06/23/1999	THORIUM-230	1.08	0.64	PCI/G
SC-24906-S	06/16/1999	RADIUM-226	0.75	0.31	PCI/G
SC-24906-S	06/16/1999	RADIUM-228	0.4	0.8	PCI/G
SC-24906-S	06/16/1999	THORIUM-230	2.53	0.64	PCI/G
SC-24906-S	06/16/1999	URANIUM-238	1.225	2.45	PCI/G
SC-24907-S	06/18/1999	RADIUM-226	0.73	0.26	PCI/G
SC-24907-S	06/18/1999	RADIUM-228	1.13	0.39	PCI/G
SC-24907-S	06/18/1999	THORIUM-230	2.55	0.64	PCI/G
SC-24907-S	06/18/1999	URANIUM-238	1.26	2.52	PCI/G
SC-24908-S	06/09/1999	RADIUM-226	0.7	0.28	PCI/G
SC-24908-S	06/09/1999	RADIUM-228	1.06	0.38	PCI/G
SC-24908-S	06/09/1999	THORIUM-230	1.88	0.64	PCI/G
SC-24908-S	06/09/1999	URANIUM-238	1.335	2.67	PCI/G
SC-24909-S	06/09/1999	RADIUM-226	3.04	0.38	PCI/G
SC-24909-S	06/09/1999	RADIUM-228	1.37	0.51	PCI/G
SC-24909-S	06/09/1999	THORIUM-230	45.1	0.62	PCI/G
SC-24909-S	06/09/1999	URANIUM-238	1.795	3.59	PCI/G
SC-24909-S-RS	06/23/1999	THORIUM-230	1.26	0.65	PCI/G
SC-24910-S	06/09/1999	RADIUM-226	0.68	0.27	PCI/G
SC-24910-S	06/09/1999	RADIUM-228	1.1	0.46	PCI/G
SC-24910-S	06/09/1999	THORIUM-230	1.36	0.65	PCI/G
SC-24910-S	06/09/1999	URANIUM-238	1.28	2.56	PCI/G
SC-24911-S	06/16/1999	RADIUM-226	0.83	0.27	PCI/G
SC-24911-S	06/16/1999	RADIUM-228	1.12	0.46	PCI/G
SC-24911-S	06/16/1999	THORIUM-230	2.47	0.62	PCI/G
SC-24911-S	06/16/1999	URANIUM-238	1.265	2.53	PCI/G
SC-24912-S	06/16/1999	RADIUM-226	0.31	0.62	PCI/G
SC-24912-S	06/16/1999	RADIUM-228	0.49	0.98	PCI/G
SC-24912-S	06/16/1999	THORIUM-230	1.26	0.65	PCI/G
SC-24912-S	06/16/1999	URANIUM-238	1.315	2.63	PCI/G
SC-24913-S	06/09/1999	RADIUM-226	0.73	0.31	PCI/G
SC-24913-S	06/09/1999	RADIUM-228	1.14	0.53	PCI/G
SC-24913-S	06/09/1999	THORIUM-230	1.09	0.65	PCI/G
SC-24913-S	06/09/1999	URANIUM-238	1.24	2.48	PCI/G
SC-24914-S	06/09/1999	RADIUM-226	0.71	0.3	PCI/G
SC-24914-S	06/09/1999	RADIUM-228	0.98	0.42	PCI/G
SC-24914-S	06/09/1999	THORIUM-230	1.5	0.64	PCI/G
SC-24914-S	06/09/1999	URANIUM-238	1.295	2.59	PCI/G
SC-24915-S	06/09/1999	RADIUM-226	0.93	0.3	PCI/G
SC-24915-S	06/09/1999	RADIUM-228	1.1	0.48	PCI/G
SC-24915-S	06/09/1999	THORIUM-230	2.24	0.62	PCI/G
SC-24915-S	06/09/1999	URANIUM-238	1.34	2.68	PCI/G
SC-24916-S	06/16/1999	RADIUM-226	0.74	0.28	PCI/G
SC-24916-S	06/16/1999	RADIUM-228	0.96	0.4	PCI/G
SC-24916-S	06/16/1999	THORIUM-230	2.02	0.64	PCI/G
SC-24916-S	06/16/1999	URANIUM-238	1.295	2.59	PCI/G
SC-24917-S	06/16/1999	RADIUM-226	0.91	0.33	PCI/G
SC-24917-S	06/16/1999	RADIUM-228	0.455	0.91	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-24917-S	06/16/1999	THORIUM-230	8 03	0.64	PCI/G
SC-24917-S	06/16/1999	URANIUM-238	1.265	2 53	PCI/G
SC-24917-S-RS	06/23/1999	THORIUM-230	0.93	0 62	PCI/G
SC-24918-S	06/09/1999	RADIUM-226	1.02	0.3	PCI/G
SC-24918-S	06/09/1999	RADIUM-228	1 41	0 44	PCI/G
SC-24918-S	06/09/1999	THORIUM-230	0.95	0 65	PCI/G
SC-24918-S	06/09/1999	URANIUM-238	1.36	2.72	PCI/G
SC-24919-S	06/09/1999	RADIUM-226	3.34	0.34	PCI/G
SC-24919-S	06/09/1999	RADIUM-228	1.6	0.49	PCI/G
SC-24919-S	06/09/1999	THORIUM-230	42.9	0.65	PCI/G
SC-24919-S	06/09/1999	URANIUM-238	1.77	3.54	PCI/G
SC-24919-S-RS	06/23/1999	THORIUM-230	1.06	0.64	PCI/G
SC-24920-S	06/09/1999	RADIUM-226	0.98	0.28	PCI/G
SC-24920-S	06/09/1999	RADIUM-228	1.18	0.41	PCI/G
SC-24920-S	06/09/1999	THORIUM-230	2.81	0.64	PCI/G
SC-24920-S	06/09/1999	URANIUM-238	1.365	2.73	PCI/G
SC-25001-S	06/23/1999	RADIUM-226	0.78	0.28	PCI/G
SC-25001-S	06/23/1999	RADIUM-228	1.08	0 43	PCI/G
SC-25001-S	06/23/1999	THORIUM-230	3 7	0.64	PCI/G
SC-25001-S	06/23/1999	URANIUM-238	1.265	2.53	PCI/G
SC-25002-S	06/16/1999	RADIUM-226	0.77	0.28	PCI/G
SC-25002-S	06/16/1999	RADIUM-228	1.06	0.35	PCI/G
SC-25002-S	06/16/1999	THORIUM-230	1 6	0.62	PCI/G
SC-25002-S	06/16/1999	URANIUM-238	1.305	2.61	PCI/G
SC-25003-S	06/09/1999	RADIUM-226	0 85	0.29	PCI/G
SC-25003-S	06/09/1999	RADIUM-228	0.45	0 9	PCI/G
SC-25003-S	06/09/1999	THORIUM-230	1.15	0.62	PCI/G
SC-25003-S	06/09/1999	URANIUM-238	1.205	2 41	PCI/G
SC-25004-S	06/09/1999	RADIUM-226	0 77	0.31	PCI/G
SC-25004-S	06/09/1999	RADIUM-228	1 32	0 4	PCI/G
SC-25004-S	06/09/1999	THORIUM-230	0 86	0.65	PCI/G
SC-25004-S	06/09/1999	URANIUM-238	1 27	2.54	PCI/G
SC-25005-S	06/09/1999	RADIUM-226	0.93	0 33	PCI/G
SC-25005-S	06/09/1999	RADIUM-228	0.98	0 53	PCI/G
SC-25005-S	06/09/1999	THORIUM-230	2 6	0 65	PCI/G
SC-25005-S	06/09/1999	URANIUM-238	1.33	2 66	PCI/G
SC-25006-S	06/16/1999	RADIUM-226	0.73	0 2	PCI/G
SC-25006-S	06/16/1999	RADIUM-228	1.15	0 27	PCI/G
SC-25006-S	06/16/1999	THORIUM-230	0.86	0 64	PCI/G
SC-25006-S	06/16/1999	URANIUM-238	0 855	1 71	PCI/G
SC-25007-S	06/16/1999	RADIUM-226	0.64	0 29	PCI/G
SC-25007-S	06/16/1999	RADIUM-228	1 34	0 37	PCI/G
SC-25007-S	06/16/1999	THORIUM-230	1 1	0.62	PCI/G
SC-25007-S	06/16/1999	URANIUM-238	1.325	2 65	PCI/G
SC-25008-S	06/09/1999	RADIUM-226	1 15	0.29	PCI/G
SC-25008-S	06/09/1999	RADIUM-228	1 15	0 41	PCI/G
SC-25008-S	06/09/1999	THORIUM-230	6 15	0 65	PCI/G
SC-25008-S	06/09/1999	URANIUM-238	1.435	2 87	PCI/G
SC-25009-S	06/09/1999	RADIUM-226	0.75	0 32	PCI/G
SC-25009-S	06/09/1999	RADIUM-228	0.52	1 04	PCI/G
SC-25009-S	06/09/1999	THORIUM-230	1.06	0 65	PCI/G
SC-25009-S	06/09/1999	URANIUM-238	1.395	2 79	PCI/G
SC-25010-S	06/09/1999	RADIUM-226	0.8	0.29	PCI/G
SC-25010-S	06/09/1999	RADIUM-228	0.96	0.4	PCI/G
SC-25010-S	06/09/1999	THORIUM-230	1	0.64	PCI/G
SC-25010-S	06/09/1999	URANIUM-238	1 335	2.67	PCI/G
SC-25011-S	06/16/1999	RADIUM-226	5.81	0.43	PCI/G
SC-25011-S	06/16/1999	RADIUM-228	1.74	0.62	PCI/G
SC-25011-S	06/16/1999	THORIUM-230	107	0 65	PCI/G
SC-25011-S	06/16/1999	URANIUM-238	2.14	4 28	PCI/G
SC-25011-S-RS	06/23/1999	RADIUM-226	0.73	0 32	PCI/G
SC-25011-S-RS	06/23/1999	RADIUM-228	0.81	0 58	PCI/G
SC-25011-S-RS	06/23/1999	THORIUM-230	1.07	0.65	PCI/G
SC-25012-S	06/04/1999	RADIUM-226	0.74	0 32	PCI/G
SC-25012-S	06/04/1999	RADIUM-228	1.27	0.48	PCI/G
SC-25012-S	06/04/1999	THORIUM-230	1.13	0.64	PCI/G
SC-25012-S	06/04/1999	URANIUM-238	1.255	2.51	PCI/G
SC-25013-S	06/04/1999	RADIUM-226	0.33	0 66	PCI/G
SC-25013-S	06/04/1999	RADIUM-228	0.45	0.9	PCI/G
SC-25013-S	06/04/1999	THORIUM-230	0.75	0 62	PCI/G
SC-25013-S	06/04/1999	URANIUM-238	1 285	2 57	PCI/G
SC-25014-S	06/04/1999	RADIUM-226	0.71	0 29	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25014-S	06/04/1999	RADIUM-228	1.21	0.4	PCI/G
SC-25014-S	06/04/1999	THORIUM-230	1.02	0.65	PCI/G
SC-25014-S	06/04/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25015-S	06/04/1999	RADIUM-226	0.72	0.32	PCI/G
SC-25015-S	06/04/1999	RADIUM-228	0.48	0.96	PCI/G
SC-25015-S	06/04/1999	THORIUM-230	0.94	0.65	PCI/G
SC-25015-S	06/04/1999	URANIUM-238	1.38	2.76	PCI/G
SC-25016-S	06/08/1999	RADIUM-226	0.92	0.32	PCI/G
SC-25016-S	06/08/1999	RADIUM-228	0.48	0.96	PCI/G
SC-25016-S	06/08/1999	THORIUM-230	1.53	0.65	PCI/G
SC-25016-S	06/08/1999	URANIUM-238	1.395	2.79	PCI/G
SC-25017-S	06/04/1999	RADIUM-226	1.06	0.31	PCI/G
SC-25017-S	06/04/1999	RADIUM-228	1.04	0.49	PCI/G
SC-25017-S	06/04/1999	THORIUM-230	1.37	0.64	PCI/G
SC-25017-S	06/04/1999	URANIUM-238	1.36	2.72	PCI/G
SC-25021-S	06/08/1999	RADIUM-226	0.71	0.35	PCI/G
SC-25021-S	06/08/1999	RADIUM-228	1.01	0.4	PCI/G
SC-25021-S	06/08/1999	THORIUM-230	4.84	0.64	PCI/G
SC-25021-S	06/08/1999	URANIUM-238	1.43	2.86	PCI/G
SC-25023-S	10/26/1999	RADIUM-226	0.92	0.25	PCI/G
SC-25023-S	10/26/1999	RADIUM-228	0.89	0.4	PCI/G
SC-25023-S	10/26/1999	THORIUM-230	1.15	0.64	PCI/G
SC-25023-S	10/26/1999	URANIUM-238	1.32	2.64	PCI/G
SC-25101-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0145	0.029	UG/G
SC-25101-S	09/27/1999	PCB	0	38	UG/KG
SC-25101-S	09/27/1999	ARSENIC	21.8	0.39	UG/G
SC-25101-S	09/27/1999	PAH	0	17	UG/KG
SC-25101-S	09/27/1999	CHROMIUM	14.7	0.19	UG/G
SC-25101-S	09/27/1999	LEAD	16.4	0.35	UG/G
SC-25101-S	09/27/1999	RADIUM-226	1.01	0.29	PCI/G
SC-25101-S	09/27/1999	RADIUM-228	0.5	1	PCI/G
SC-25101-S	09/27/1999	THALLIUM	1.1	0.63	UG/G
SC-25101-S	09/27/1999	THORIUM-230	0.82	0.62	PCI/G
SC-25101-S	09/27/1999	URANIUM-238	1.34	2.68	PCI/G
SC-25102-S	09/27/1999	RADIUM-226	0.75	0.23	PCI/G
SC-25102-S	09/27/1999	RADIUM-228	1.13	0.4	PCI/G
SC-25102-S	09/27/1999	THORIUM-230	0.77	0.64	PCI/G
SC-25102-S	09/27/1999	URANIUM-238	1.13	2.26	PCI/G
SC-25103-S	02/01/1999	RADIUM-226	1.4	0.33	PCI/G
SC-25103-S	02/01/1999	RADIUM-228	1.42	0.43	PCI/G
SC-25103-S	02/01/1999	THORIUM-230	2.95	0.62	PCI/G
SC-25103-S	02/01/1999	URANIUM-238	1.57	3.14	PCI/G
SC-25103-S-01	09/26/1999	RADIUM-226	0.96	0.28	PCI/G
SC-25103-S-01	09/26/1999	RADIUM-228	1.17	0.41	PCI/G
SC-25103-S-01	09/26/1999	THORIUM-230	0.88	0.65	PCI/G
SC-25103-S-01	09/26/1999	URANIUM-238	1.285	2.57	PCI/G
SC-25104-S	02/01/1999	RADIUM-226	1.06	0.3	PCI/G
SC-25104-S	02/01/1999	RADIUM-228	1.44	0.41	PCI/G
SC-25104-S	02/01/1999	THORIUM-230	2.48	0.62	PCI/G
SC-25104-S	02/01/1999	URANIUM-238	1.84	1.9	PCI/G
SC-25104-S-01	09/26/1999	RADIUM-226	0.315	0.63	PCI/G
SC-25104-S-01	09/26/1999	RADIUM-228	0.485	0.97	PCI/G
SC-25104-S-01	09/26/1999	THORIUM-230	0.94	0.64	PCI/G
SC-25104-S-01	09/26/1999	URANIUM-238	1.205	2.41	PCI/G
SC-25105-S	05/07/1999	RADIUM-226	1.04	0.27	PCI/G
SC-25105-S	05/07/1999	RADIUM-228	1.03	0.42	PCI/G
SC-25105-S	05/07/1999	THORIUM-230	2.17	0.62	PCI/G
SC-25105-S	05/07/1999	URANIUM-238	1.345	2.69	PCI/G
SC-25105-S-01	09/26/1999	RADIUM-226	0.98	0.27	PCI/G
SC-25105-S-01	09/26/1999	RADIUM-228	1.25	0.38	PCI/G
SC-25105-S-01	09/26/1999	THORIUM-230	2	0.62	PCI/G
SC-25105-S-01	09/26/1999	URANIUM-238	1.39	2.78	PCI/G
SC-25106-S	06/16/1999	RADIUM-226	0.64	0.24	PCI/G
SC-25106-S	06/16/1999	RADIUM-228	1.11	0.36	PCI/G
SC-25106-S	06/16/1999	THORIUM-230	0.95	0.64	PCI/G
SC-25106-S	06/16/1999	URANIUM-238	1.225	2.45	PCI/G
SC-25107-S	06/23/1999	RADIUM-226	0.66	0.28	PCI/G
SC-25107-S	06/23/1999	RADIUM-228	1.14	0.45	PCI/G
SC-25107-S	06/23/1999	THORIUM-230	3.21	0.62	PCI/G
SC-25107-S	06/23/1999	URANIUM-238	1.24	2.48	PCI/G
SC-25108-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0.028	UG/G
SC-25108-S	09/27/1999	PCB	0	38	UG/KG

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SC-25108-S	09/27/1999	ARSENIC	9.9	0.39	UG/G
SC-25108-S	09/27/1999	PAH	0	17	UG/KG
SC-25108-S	09/27/1999	CHROMIUM	18.5	0 19	UG/G
SC-25108-S	09/27/1999	LEAD	9.9	0.35	UG/G
SC-25108-S	09/27/1999	RADIUM-226	0.76	0 31	PCI/G
SC-25108-S	09/27/1999	RADIUM-228	0.49	0 98	PCI/G
SC-25108-S	09/27/1999	THALLIUM	1.5	0.63	UG/G
SC-25108-S	09/27/1999	THORIUM-230	1.07	0.65	PCI/G
SC-25108-S	09/27/1999	URANIUM-238	1 285	2.57	PCI/G
SC-25109-S	09/27/1999	RADIUM-226	0.96	0.28	PCI/G
SC-25109-S	09/27/1999	RADIUM-228	1.13	0.41	PCI/G
SC-25109-S	09/27/1999	THORIUM-230	1 16	0.64	PCI/G
SC-25109-S	09/27/1999	URANIUM-238	1.335	2.67	PCI/G
SC-25110-S	02/01/1999	RADIUM-226	1.22	0 36	PCI/G
SC-25110-S	02/01/1999	RADIUM-228	0.485	0 97	PCI/G
SC-25110-S	02/01/1999	THORIUM-230	1.93	0 62	PCI/G
SC-25110-S	02/01/1999	URANIUM-238	4 03	2 92	PCI/G
SC-25110-S-01	09/26/1999	RADIUM-226	0 91	0 36	PCI/G
SC-25110-S-01	09/26/1999	RADIUM-228	0 4	0.8	PCI/G
SC-25110-S-01	09/26/1999	THORIUM-230	1 07	0 64	PCI/G
SC-25110-S-01	09/26/1999	URANIUM-238	1.37	2 74	PCI/G
SC-25111-S	02/01/1999	RADIUM-226	1.15	0 32	PCI/G
SC-25111-S	02/01/1999	RADIUM-228	1.13	0 47	PCI/G
SC-25111-S	02/01/1999	THORIUM-230	1 3	0.62	PCI/G
SC-25111-S	02/01/1999	URANIUM-238	1 375	2 75	PCI/G
SC-25111-S-01	09/26/1999	RADIUM-226	1.28	0 32	PCI/G
SC-25111-S-01	09/26/1999	RADIUM-228	0.88	0 48	PCI/G
SC-25111-S-01	09/26/1999	THORIUM-230	3.23	0 65	PCI/G
SC-25111-S-01	09/26/1999	URANIUM-238	1.38	2 76	PCI/G
SC-25112-S	05/07/1999	RADIUM-226	0 72	0 33	PCI/G
SC-25112-S	05/07/1999	RADIUM-228	0.445	0 89	PCI/G
SC-25112-S	05/07/1999	THORIUM-230	1.84	0 7	PCI/G
SC-25112-S	05/07/1999	URANIUM-238	1 44	2 88	PCI/G
SC-25112-S-01	09/26/1999	RADIUM-226	0.31	0 62	PCI/G
SC-25112-S-01	09/26/1999	RADIUM-228	0.515	1 03	PCI/G
SC-25112-S-01	09/26/1999	THORIUM-230	1 07	0 64	PCI/G
SC-25112-S-01	09/26/1999	URANIUM-238	1.265	2 53	PCI/G
SC-25113-S	06/16/1999	RADIUM-226	0.285	0 57	PCI/G
SC-25113-S	06/16/1999	RADIUM-228	0 42	0 84	PCI/G
SC-25113-S	06/16/1999	THORIUM-230	1 41	0 65	PCI/G
SC-25113-S	06/16/1999	URANIUM-238	1.265	2 53	PCI/G
SC-25114-S	06/16/1999	RADIUM-226	0 94	0 25	PCI/G
SC-25114-S	06/16/1999	RADIUM-228	1 22	0 41	PCI/G
SC-25114-S	06/16/1999	THORIUM-230	2 05	0 64	PCI/G
SC-25114-S	06/16/1999	URANIUM-238	1 235	2 47	PCI/G
SC-25115-S	10/01/1999	RADIUM-226	0.255	0 51	PCI/G
SC-25115-S	10/01/1999	RADIUM-228	0 46	0 92	PCI/G
SC-25115-S	10/01/1999	THORIUM-230	0 9	0 62	PCI/G
SC-25115-S	10/01/1999	URANIUM-238	1 215	2 43	PCI/G
SC-25116-S	10/01/1999	RADIUM-226	0 92	0 32	PCI/G
SC-25116-S	10/01/1999	RADIUM-228	1 11	0 43	PCI/G
SC-25116-S	10/01/1999	THORIUM-230	1 28	0 64	PCI/G
SC-25116-S	10/01/1999	URANIUM-238	1.265	2 53	PCI/G
SC-25117-S	02/01/1999	RADIUM-226	2 36	0 48	PCI/G
SC-25117-S	02/01/1999	RADIUM-228	2 99	0 76	PCI/G
SC-25117-S	02/01/1999	THORIUM-230	18 6	0 62	PCI/G
SC-25117-S	02/01/1999	URANIUM-238	11 8	3 07	PCI/G
SC-25117-S-01	09/26/1999	RADIUM-226	0 83	0.3	PCI/G
SC-25117-S-01	09/26/1999	RADIUM-228	1.05	0 45	PCI/G
SC-25117-S-01	09/26/1999	THORIUM-230	0 97	0 62	PCI/G
SC-25117-S-01	09/26/1999	URANIUM-238	1 22	2 44	PCI/G
SC-25117-S-RS	08/04/1999	RADIUM-226	1 11	0 38	PCI/G
SC-25117-S-RS	08/04/1999	RADIUM-228	1 62	0.85	PCI/G
SC-25117-S-RS	08/04/1999	THORIUM-230	3.7	0.64	PCI/G
SC-25117-S-RS	08/04/1999	URANIUM-238	1 66	3.32	PCI/G
SC-25118-S	02/01/1999	RADIUM-226	2.52	0.34	PCI/G
SC-25118-S	02/01/1999	RADIUM-228	1.81	0 57	PCI/G
SC-25118-S	02/01/1999	THORIUM-230	9 73	0.62	PCI/G
SC-25118-S	02/01/1999	URANIUM-238	1 775	3 55	PCI/G
SC-25118-S-01	09/26/1999	RADIUM-226	0 82	0 32	PCI/G
SC-25118-S-01	09/26/1999	RADIUM-228	1 24	0 49	PCI/G
SC-25118-S-01	09/26/1999	THORIUM-230	1 09	0 64	PCI/G

APPENDIX B WP-437 RU21 FINAL DATA

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25118-S-01	09/26/1999	URANIUM-238	1.38	2.76	PCI/G
SC-25118-S-HS01	02/10/1999	RADIUM-226	1.03	0.34	PCI/G
SC-25118-S-HS01	02/10/1999	RADIUM-228	0.545	1.09	PCI/G
SC-25118-S-HS01	02/10/1999	THORIUM-230	1	0.62	PCI/G
SC-25118-S-HS02	02/10/1999	RADIUM-226	5.16	0.42	PCI/G
SC-25118-S-HS02	02/10/1999	RADIUM-228	2.68	0.54	PCI/G
SC-25118-S-HS02	02/10/1999	THORIUM-230	18.8	0.62	PCI/G
SC-25118-S-HS03	02/10/1999	RADIUM-226	0.89	0.31	PCI/G
SC-25118-S-HS03	02/10/1999	RADIUM-228	0.445	0.89	PCI/G
SC-25118-S-HS03	02/10/1999	THORIUM-230	0.88	0.62	PCI/G
SC-25118-S-HS04	02/10/1999	RADIUM-226	1.35	0.32	PCI/G
SC-25118-S-HS04	02/10/1999	RADIUM-228	1.28	0.45	PCI/G
SC-25118-S-HS04	02/10/1999	THORIUM-230	1.46	0.62	PCI/G
SC-25118-S-RS	07/28/1999	RADIUM-226	0.85	0.29	PCI/G
SC-25118-S-RS	07/28/1999	RADIUM-228	1.12	0.45	PCI/G
SC-25118-S-RS	07/28/1999	THORIUM-230	1.22	0.62	PCI/G
SC-25119-S	05/07/1999	RADIUM-226	0.89	0.31	PCI/G
SC-25119-S	05/07/1999	RADIUM-228	1.11	0.35	PCI/G
SC-25119-S	05/07/1999	THORIUM-230	1.73	0.7	PCI/G
SC-25119-S	05/07/1999	URANIUM-238	1.32	2.64	PCI/G
SC-25119-S-01	09/26/1999	RADIUM-226	1.01	0.26	PCI/G
SC-25119-S-01	09/26/1999	RADIUM-228	1.32	0.39	PCI/G
SC-25119-S-01	09/26/1999	THORIUM-230	2.05	0.65	PCI/G
SC-25119-S-01	09/26/1999	URANIUM-238	1.315	2.63	PCI/G
SC-25120-S	06/16/1999	RADIUM-226	0.57	0.31	PCI/G
SC-25120-S	06/16/1999	RADIUM-228	1.17	0.4	PCI/G
SC-25120-S	06/16/1999	THORIUM-230	0.93	0.64	PCI/G
SC-25120-S	06/16/1999	URANIUM-238	1.23	2.46	PCI/G
SC-25121-S	06/16/1999	RADIUM-226	0.93	0.25	PCI/G
SC-25121-S	06/16/1999	RADIUM-228	1.09	0.48	PCI/G
SC-25121-S	06/16/1999	THORIUM-230	1.8	0.62	PCI/G
SC-25121-S	06/16/1999	URANIUM-238	1.27	2.54	PCI/G
SC-25201-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.015	0.03	UG/G
SC-25201-S	09/27/1999	PCB	0	41	UG/KG
SC-25201-S	09/27/1999	ARSENIC	14.3	0.42	UG/G
SC-25201-S	09/27/1999	PAH	0	18	UG/KG
SC-25201-S	09/27/1999	CHROMIUM	28.7	0.2	UG/G
SC-25201-S	09/27/1999	LEAD	24.3	0.37	UG/G
SC-25201-S	09/27/1999	RADIUM-226	0.265	0.53	PCI/G
SC-25201-S	09/27/1999	RADIUM-228	0.435	0.87	PCI/G
SC-25201-S	09/27/1999	THALLIUM	2	0.67	UG/G
SC-25201-S	09/27/1999	THORIUM-230	0.86	0.62	PCI/G
SC-25201-S	09/27/1999	URANIUM-238	2.89	3.29	PCI/G
SC-25202-C	09/27/1999	2,4,6-TRINITROTOLUENE	0.015	0.03	UG/G
SC-25202-C	09/27/1999	PCB	0	41	UG/KG
SC-25202-C	09/27/1999	ARSENIC	9.3	0.42	UG/G
SC-25202-C	09/27/1999	PAH	0	18	UG/KG
SC-25202-C	09/27/1999	CHROMIUM	20	0.2	UG/G
SC-25202-C	09/27/1999	LEAD	14.8	0.37	UG/G
SC-25202-C	09/27/1999	RADIUM-226	0.85	0.3	PCI/G
SC-25202-C	09/27/1999	RADIUM-228	1.06	0.46	PCI/G
SC-25202-C	09/27/1999	THALLIUM	1.5	0.67	UG/G
SC-25202-C	09/27/1999	THORIUM-230	1.1	0.64	PCI/G
SC-25202-C	09/27/1999	URANIUM-238	1.24	2.48	PCI/G
SC-25202-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0145	0.029	UG/G
SC-25202-S	09/27/1999	PCB	0	41	UG/KG
SC-25202-S	09/27/1999	ARSENIC	10.7	0.42	UG/G
SC-25202-S	09/27/1999	PAH	20	18	UG/KG
SC-25202-S	09/27/1999	CHROMIUM	18.6	0.2	UG/G
SC-25202-S	09/27/1999	LEAD	14.2	0.37	UG/G
SC-25202-S	09/27/1999	RADIUM-226	0.96	0.32	PCI/G
SC-25202-S	09/27/1999	RADIUM-228	0.475	0.95	PCI/G
SC-25202-S	09/27/1999	THALLIUM	1.6	0.67	UG/G
SC-25202-S	09/27/1999	THORIUM-230	1.16	0.62	PCI/G
SC-25202-S	09/27/1999	URANIUM-238	1.275	2.55	PCI/G
SC-25203-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.015	0.03	UG/G
SC-25203-S	09/27/1999	PCB	0	40	UG/KG
SC-25203-S	09/27/1999	ARSENIC	10.3	0.41	UG/G
SC-25203-S	09/27/1999	PAH	28	18	UG/KG
SC-25203-S	09/27/1999	CHROMIUM	17	0.19	UG/G
SC-25203-S	09/27/1999	LEAD	11.5	0.36	UG/G
SC-25203-S	09/27/1999	RADIUM-226	0.54	0.26	PCI/G

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25203-S	09/27/1999	RADIUM-228	1.08	0 3	PCI/G
SC-25203-S	09/27/1999	THALLIUM	1 2	0 65	UG/G
SC-25203-S	09/27/1999	THORIUM-230	0.9	0.64	PCI/G
SC-25203-S	09/27/1999	URANIUM-238	1.24	2.48	PCI/G
SC-25204-C	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0.028	UG/G
SC-25204-C	09/27/1999	PCB	0	38	UG/KG
SC-25204-C	09/27/1999	ARSENIC	13.8	0 39	UG/G
SC-25204-C	09/27/1999	PAH	0	17	UG/KG
SC-25204-C	09/27/1999	CHROMIUM	18 8	0.18	UG/G
SC-25204-C	09/27/1999	LEAD	10	0 34	UG/G
SC-25204-C	09/27/1999	RADIUM-226	0.285	0.57	PCI/G
SC-25204-C	09/27/1999	RADIUM-228	0 445	0.89	PCI/G
SC-25204-C	09/27/1999	THALLIUM	1 6	0.62	UG/G
SC-25204-C	09/27/1999	THORIUM-230	1.08	0 65	PCI/G
SC-25204-C	09/27/1999	URANIUM-238	1.25	2 5	PCI/G
SC-25204-S	09/27/1999	2,4,6-TRINITROTOLUENE	0 015	0.03	UG/G
SC-25204-S	09/27/1999	PCB	0	40	UG/KG
SC-25204-S	09/27/1999	ARSENIC	12 3	0 41	UG/G
SC-25204-S	09/27/1999	PAH	0	18	UG/KG
SC-25204-S	09/27/1999	CHROMIUM	17 2	0 19	UG/G
SC-25204-S	09/27/1999	LEAD	15 1	0 36	UG/G
SC-25204-S	09/27/1999	RADIUM-226	0.64	0.29	PCI/G
SC-25204-S	09/27/1999	RADIUM-228	0 82	0.38	PCI/G
SC-25204-S	09/27/1999	THALLIUM	1.9	0.65	UG/G
SC-25204-S	09/27/1999	THORIUM-230	0 79	0.64	PCI/G
SC-25204-S	09/27/1999	URANIUM-238	1 17	2.34	PCI/G
SC-25205-S	09/27/1999	2,4,6-TRINITROTOLUENE	0 0145	0 029	UG/G
SC-25205-S	09/27/1999	PCB	0	38	UG/KG
SC-25205-S	09/27/1999	ARSENIC	7.4	0.39	UG/G
SC-25205-S	09/27/1999	PAH	0	17	UG/KG
SC-25205-S	09/27/1999	CHROMIUM	15 3	0.19	UG/G
SC-25205-S	09/27/1999	LEAD	9.9	0.35	UG/G
SC-25205-S	09/27/1999	RADIUM-226	0 26	0.52	PCI/G
SC-25205-S	09/27/1999	RADIUM-228	0 44	0.88	PCI/G
SC-25205-S	09/27/1999	THALLIUM	1 1	0 63	UG/G
SC-25205-S	09/27/1999	THORIUM-230	0 79	0 62	PCI/G
SC-25205-S	09/27/1999	URANIUM-238	1 115	2.23	PCI/G
SC-25206-C	09/27/1999	2,4,6-TRINITROTOLUENE	0 0145	0 029	UG/G
SC-25206-C	09/27/1999	PCB	0	38	UG/KG
SC-25206-C	09/27/1999	ARSENIC	17 3	0 39	UG/G
SC-25206-C	09/27/1999	PAH	0	17	UG/KG
SC-25206-C	09/27/1999	CHROMIUM	28	0 18	UG/G
SC-25206-C	09/27/1999	LEAD	11	0.35	UG/G
SC-25206-C	09/27/1999	RADIUM-226	0 23	0 46	PCI/G
SC-25206-C	09/27/1999	RADIUM-228	1 01	0 4	PCI/G
SC-25206-C	09/27/1999	THALLIUM	1 5	0 62	UG/G
SC-25206-C	09/27/1999	THORIUM-230	1 14	0 64	PCI/G
SC-25206-C	09/27/1999	URANIUM-238	1.15	2.3	PCI/G
SC-25206-S	09/27/1999	2,4,6-TRINITROTOLUENE	0 0145	0.029	UG/G
SC-25206-S	09/27/1999	PCB	0	39	UG/KG
SC-25206-S	09/27/1999	ARSENIC	6.9	0.4	UG/G
SC-25206-S	09/27/1999	PAH	0	18	UG/KG
SC-25206-S	09/27/1999	CHROMIUM	15.5	0 19	UG/G
SC-25206-S	09/27/1999	LEAD	10.7	0.35	UG/G
SC-25206-S	09/27/1999	RADIUM-226	0 49	0.3	PCI/G
SC-25206-S	09/27/1999	RADIUM-228	0.45	0.9	PCI/G
SC-25206-S	09/27/1999	THALLIUM	1.2	0.63	UG/G
SC-25206-S	09/27/1999	THORIUM-230	0.69	0.65	PCI/G
SC-25206-S	09/27/1999	URANIUM-238	1.2	2.4	PCI/G
SC-25207-S	09/27/1999	2,4,6-TRINITROTOLUENE	0 0145	0.029	UG/G
SC-25207-S	09/27/1999	PCB	0	38	UG/KG
SC-25207-S	09/27/1999	ARSENIC	4 1	0 39	UG/G
SC-25207-S	09/27/1999	PAH	0	17	UG/KG
SC-25207-S	09/27/1999	CHROMIUM	15	0 19	UG/G
SC-25207-S	09/27/1999	LEAD	7 7	0 35	UG/G
SC-25207-S	09/27/1999	RADIUM-226	0.55	0.27	PCI/G
SC-25207-S	09/27/1999	RADIUM-228	1 02	0 33	PCI/G
SC-25207-S	09/27/1999	THALLIUM	0 315	0 63	UG/G
SC-25207-S	09/27/1999	THORIUM-230	0 86	0 64	PCI/G
SC-25207-S	09/27/1999	URANIUM-238	1 145	2 29	PCI/G
SC-25208-S	09/27/1999	2,4,6-TRINITROTOLUENE	0 014	0 028	UG/G
SC-25208-S	09/27/1999	PCB	0	38	UG/KG

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SC-25208-S	09/27/1999	ARSENIC	5.5	0.39	UG/G
SC-25208-S	09/27/1999	PAH	0	17	UG/KG
SC-25208-S	09/27/1999	CHROMIUM	15.5	0.19	UG/G
SC-25208-S	09/27/1999	LEAD	11.7	0.35	UG/G
SC-25208-S	09/27/1999	RADIUM-226	0.255	0.51	PCI/G
SC-25208-S	09/27/1999	RADIUM-228	0.465	0.93	PCI/G
SC-25208-S	09/27/1999	THALLIUM	0.315	0.63	UG/G
SC-25208-S	09/27/1999	THORIUM-230	0.82	0.62	PCI/G
SC-25208-S	09/27/1999	URANIUM-238	1.155	2.31	PCI/G
SC-25209-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0.028	UG/G
SC-25209-S	09/27/1999	PCB	0	38	UG/KG
SC-25209-S	09/27/1999	ARSENIC	9.1	0.39	UG/G
SC-25209-S	09/27/1999	PAH	0	17	UG/KG
SC-25209-S	09/27/1999	CHROMIUM	15	0.19	UG/G
SC-25209-S	09/27/1999	LEAD	10.6	0.35	UG/G
SC-25209-S	09/27/1999	RADIUM-226	0.57	0.28	PCI/G
SC-25209-S	09/27/1999	RADIUM-228	1.29	0.32	PCI/G
SC-25209-S	09/27/1999	THALLIUM	1.5	0.63	UG/G
SC-25209-S	09/27/1999	THORIUM-230	1.03	0.64	PCI/G
SC-25209-S	09/27/1999	URANIUM-238	1.175	2.35	PCI/G
SC-25210-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0145	0.029	UG/G
SC-25210-S	09/27/1999	PCB	0	38	UG/KG
SC-25210-S	09/27/1999	ARSENIC	6.9	0.4	UG/G
SC-25210-S	09/27/1999	PAH	0	17	UG/KG
SC-25210-S	09/27/1999	CHROMIUM	14.1	0.19	UG/G
SC-25210-S	09/27/1999	LEAD	22	0.35	UG/G
SC-25210-S	09/27/1999	RADIUM-226	0.61	0.28	PCI/G
SC-25210-S	09/27/1999	RADIUM-228	0.445	0.89	PCI/G
SC-25210-S	09/27/1999	THALLIUM	0.315	0.63	UG/G
SC-25210-S	09/27/1999	THORIUM-230	0.9	0.65	PCI/G
SC-25210-S	09/27/1999	URANIUM-238	1.215	2.43	PCI/G
SC-25211-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0145	0.029	UG/G
SC-25211-S	09/27/1999	PCB	0	38	UG/KG
SC-25211-S	09/27/1999	ARSENIC	9.9	0.39	UG/G
SC-25211-S	09/27/1999	PAH	0	17	UG/KG
SC-25211-S	09/27/1999	CHROMIUM	14.9	0.19	UG/G
SC-25211-S	09/27/1999	LEAD	11.2	0.35	UG/G
SC-25211-S	09/27/1999	RADIUM-226	0.35	0.3	PCI/G
SC-25211-S	09/27/1999	RADIUM-228	1.02	0.37	PCI/G
SC-25211-S	09/27/1999	THALLIUM	1	0.63	UG/G
SC-25211-S	09/27/1999	THORIUM-230	1.05	0.64	PCI/G
SC-25211-S	09/27/1999	URANIUM-238	1.1	2.2	PCI/G
SC-25212-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0135	0.027	UG/G
SC-25212-S	09/27/1999	PCB	0	39	UG/KG
SC-25212-S	09/27/1999	ARSENIC	2.5	0.4	UG/G
SC-25212-S	09/27/1999	PAH	22	17	UG/KG
SC-25212-S	09/27/1999	CHROMIUM	13.7	0.19	UG/G
SC-25212-S	09/27/1999	LEAD	9	0.35	UG/G
SC-25212-S	09/27/1999	RADIUM-226	0.5	0.22	PCI/G
SC-25212-S	09/27/1999	RADIUM-228	0.96	0.33	PCI/G
SC-25212-S	09/27/1999	THALLIUM	0.315	0.63	UG/G
SC-25212-S	09/27/1999	THORIUM-230	0.89	0.62	PCI/G
SC-25212-S	09/27/1999	URANIUM-238	0.73	1.46	PCI/G
SC-25213-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0135	0.027	UG/G
SC-25213-S	09/27/1999	PAB	0	37	UG/KG
SC-25213-S	09/27/1999	ARSENIC	6.3	0.39	UG/G
SC-25213-S	09/27/1999	PAH	0	17	UG/KG
SC-25213-S	09/27/1999	CHROMIUM	22.4	0.18	UG/G
SC-25213-S	09/27/1999	LEAD	17.4	0.34	UG/G
SC-25213-S	09/27/1999	RADIUM-226	0.76	0.29	PCI/G
SC-25213-S	09/27/1999	RADIUM-228	1	0.48	PCI/G
SC-25213-S	09/27/1999	THALLIUM	0.305	0.61	UG/G
SC-25213-S	09/27/1999	THORIUM-230	0.94	0.64	PCI/G
SC-25213-S	09/27/1999	URANIUM-238	1.235	2.47	PCI/G
SC-25214-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0.028	UG/G
SC-25214-S	09/27/1999	PCB	0	39	UG/KG
SC-25214-S	09/27/1999	ARSENIC	4.2	0.4	UG/G
SC-25214-S	09/27/1999	PAH	20	17	UG/KG
SC-25214-S	09/27/1999	CHROMIUM	14.9	0.19	UG/G
SC-25214-S	09/27/1999	LEAD	7.6	0.35	UG/G
SC-25214-S	09/27/1999	RADIUM-226	0.305	0.61	PCI/G
SC-25214-S	09/27/1999	RADIUM-228	1.18	0.46	PCI/G

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SC-25214-S	09/27/1999	THALLIUM	0.315	0.63	UG/G
SC-25214-S	09/27/1999	THORIUM-230	1 12	0.65	PCI/G
SC-25214-S	09/27/1999	URANIUM-238	1.165	2.33	PCI/G
SC-25215-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0135	0 027	UG/G
SC-25215-S	09/27/1999	PCB	0	38	UG/KG
SC-25215-S	09/27/1999	ARSENIC	4.5	0 44	UG/G
SC-25215-S	09/27/1999	PAH	0	17	UG/KG
SC-25215-S	09/27/1999	CHROMIUM	11.7	0.16	UG/G
SC-25215-S	09/27/1999	LEAD	6.1	0 3	UG/G
SC-25215-S	09/27/1999	RADIUM-226	0 46	0.26	PCI/G
SC-25215-S	09/27/1999	RADIUM-228	1.04	0.33	PCI/G
SC-25215-S	09/27/1999	THALLIUM	2	0.79	UG/G
SC-25215-S	09/27/1999	THORIUM-230	0.76	0 64	PCI/G
SC-25215-S	09/27/1999	URANIUM-238	1 24	2.48	PCI/G
SC-25216-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0.028	UG/G
SC-25216-S	09/27/1999	PCB	0	37	UG/KG
SC-25216-S	09/27/1999	ARSENIC	7 3	0.43	UG/G
SC-25216-S	09/27/1999	PAH	33	17	UG/KG
SC-25216-S	09/27/1999	CHROMIUM	10.2	0.16	UG/G
SC-25216-S	09/27/1999	LEAD	9.7	0.29	UG/G
SC-25216-S	09/27/1999	RADIUM-226	0 58	0.23	PCI/G
SC-25216-S	09/27/1999	RADIUM-228	1.04	0.39	PCI/G
SC-25216-S	09/27/1999	THALLIUM	2.8	0 76	UG/G
SC-25216-S	09/27/1999	THORIUM-230	0 92	0 62	PCI/G
SC-25216-S	09/27/1999	URANIUM-238	1 17	2 34	PCI/G
SC-25217-S	10/01/1999	RADIUM-226	0 275	0.55	PCI/G
SC-25217-S	10/01/1999	RADIUM-228	0.51	1 02	PCI/G
SC-25217-S	10/01/1999	THORIUM-230	0 74	0.64	PCI/G
SC-25217-S	10/01/1999	URANIUM-238	1 3	2 6	PCI/G
SC-25218-S	10/01/1999	RADIUM-226	0 215	0 43	PCI/G
SC-25218-S	10/01/1999	RADIUM-228	0.84	0 38	PCI/G
SC-25218-S	10/01/1999	THORIUM-230	0.88	0 62	PCI/G
SC-25218-S	10/01/1999	URANIUM-238	1.23	2 46	PCI/G
SC-25219-S	10/01/1999	RADIUM-226	0.26	0 52	PCI/G
SC-25219-S	10/01/1999	RADIUM-228	0.445	0 89	PCI/G
SC-25219-S	10/01/1999	THORIUM-230	0 87	0.62	PCI/G
SC-25219-S	10/01/1999	URANIUM-238	1.155	2.31	PCI/G
SC-25220-S	10/01/1999	RADIUM-226	0 5	0.28	PCI/G
SC-25220-S	10/01/1999	RADIUM-228	1 01	0.43	PCI/G
SC-25220-S	10/01/1999	THORIUM-230	1.03	0.64	PCI/G
SC-25220-S	10/01/1999	URANIUM-238	6.17	2.3	PCI/G
SC-25221-S	10/01/1999	RADIUM-226	0.275	0.55	PCI/G
SC-25221-S	10/01/1999	RADIUM-228	0.375	0 75	PCI/G
SC-25221-S	10/01/1999	THORIUM-230	1.24	0 64	PCI/G
SC-25221-S	10/01/1999	URANIUM-238	4.18	2 66	PCI/G
SC-25222-S	10/01/1999	RADIUM-226	0.49	0 31	PCI/G
SC-25222-S	10/01/1999	RADIUM-228	1.04	0 41	PCI/G
SC-25222-S	10/01/1999	THORIUM-230	0.99	0 62	PCI/G
SC-25222-S	10/01/1999	URANIUM-238	6.66	2 57	PCI/G
SC-25223-S	10/01/1999	RADIUM-226	1 74	0 37	PCI/G
SC-25223-S	10/01/1999	RADIUM-228	0 445	0.89	PCI/G
SC-25223-S	10/01/1999	THORIUM-230	1.02	0.62	PCI/G
SC-25223-S	10/01/1999	URANIUM-238	7.88	3.65	PCI/G
SC-25224-S	10/01/1999	RADIUM-226	0 5	0.29	PCI/G
SC-25224-S	10/01/1999	RADIUM-228	1 04	0.42	PCI/G
SC-25224-S	10/01/1999	THORIUM-230	1 06	0.64	PCI/G
SC-25224-S	10/01/1999	URANIUM-238	1.65	2.05	PCI/G
SC-25301-C	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0.028	UG/G
SC-25301-C	09/27/1999	PCB	0	38	UG/KG
SC-25301-C	09/27/1999	ARSENIC	4.2	0.44	UG/G
SC-25301-C	09/27/1999	PAH	0	17	UG/KG
SC-25301-C	09/27/1999	CHROMIUM	14.3	0.16	UG/G
SC-25301-C	09/27/1999	LEAD	7.4	0.3	UG/G
SC-25301-C	09/27/1999	RADIUM-226	0.8	0 29	PCI/G
SC-25301-C	09/27/1999	RADIUM-228	1.08	0 44	PCI/G
SC-25301-C	09/27/1999	THALLIUM	1.9	0.79	UG/G
SC-25301-C	09/27/1999	THORIUM-230	1 12	0.64	PCI/G
SC-25301-C	09/27/1999	URANIUM-238	1 35	2 7	PCI/G
SC-25302-S	09/27/1999	2,4,6-TRINITROTOLUENE	0 0135	0 027	UG/G
SC-25302-S	09/27/1999	PCB	0	39	UG/KG
SC-25302-S	09/27/1999	ARSENIC	4 7	0 44	UG/G
SC-25302-S	09/27/1999	PAH	0	17	UG/KG

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SC-25302-S	09/27/1999	CHROMIUM	14.9	0.16	UG/G
SC-25302-S	09/27/1999	LEAD	9.1	0.3	UG/G
SC-25302-S	09/27/1999	RADIUM-226	0.73	0.41	PCI/G
SC-25302-S	09/27/1999	RADIUM-228	0.47	0.94	PCI/G
SC-25302-S	09/27/1999	THALLIUM	2.4	0.79	UG/G
SC-25302-S	09/27/1999	THORIUM-230	0.97	0.65	PCI/G
SC-25302-S	09/27/1999	URANIUM-238	1.425	2.85	PCI/G
SC-25303-C	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0.028	UG/G
SC-25303-C	09/27/1999	PCB	0	38	UG/KG
SC-25303-C	09/27/1999	ARSENIC	7.1	0.43	UG/G
SC-25303-C	09/27/1999	PAH	0	17	UG/KG
SC-25303-C	09/27/1999	CHROMIUM	13.8	0.16	UG/G
SC-25303-C	09/27/1999	LEAD	7.8	0.29	UG/G
SC-25303-C	09/27/1999	RADIUM-226	0.87	0.27	PCI/G
SC-25303-C	09/27/1999	RADIUM-228	1.18	0.38	PCI/G
SC-25303-C	09/27/1999	THALLIUM	3	0.77	UG/G
SC-25303-C	09/27/1999	THORIUM-230	1.01	0.64	PCI/G
SC-25303-C	09/27/1999	URANIUM-238	1.295	2.59	PCI/G
SC-25303-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0.028	UG/G
SC-25303-S	09/27/1999	PCB	0	38	UG/KG
SC-25303-S	09/27/1999	ARSENIC	2.4	0.44	UG/G
SC-25303-S	09/27/1999	PAH	0	17	UG/KG
SC-25303-S	09/27/1999	CHROMIUM	13.6	0.16	UG/G
SC-25303-S	09/27/1999	LEAD	5.6	0.3	UG/G
SC-25303-S	09/27/1999	RADIUM-226	0.315	0.63	PCI/G
SC-25303-S	09/27/1999	RADIUM-228	1.23	0.45	PCI/G
SC-25303-S	09/27/1999	THALLIUM	1.5	0.78	UG/G
SC-25303-S	09/27/1999	THORIUM-230	0.86	0.62	PCI/G
SC-25303-S	09/27/1999	URANIUM-238	1.37	2.74	PCI/G
SC-25304-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0145	0.029	UG/G
SC-25304-S	09/27/1999	PCB	0	41	UG/KG
SC-25304-S	09/27/1999	ARSENIC	8.8	0.47	UG/G
SC-25304-S	09/27/1999	PAH	0	18	UG/KG
SC-25304-S	09/27/1999	CHROMIUM	19.6	0.17	UG/G
SC-25304-S	09/27/1999	LEAD	9.9	0.32	UG/G
SC-25304-S	09/27/1999	RADIUM-226	0.67	0.25	PCI/G
SC-25304-S	09/27/1999	RADIUM-228	1.26	0.35	PCI/G
SC-25304-S	09/27/1999	THALLIUM	3.4	0.84	UG/G
SC-25304-S	09/27/1999	THORIUM-230	0.91	0.64	PCI/G
SC-25304-S	09/27/1999	URANIUM-238	1.19	2.38	PCI/G
SC-25306-S	10/02/1998	RADIUM-226	1.32	0.27	PCI/G
SC-25306-S	10/02/1998	RADIUM-228	1.79	0.43	PCI/G
SC-25306-S	10/02/1998	THORIUM-230	5.17	0.62	PCI/G
SC-25306-S	10/02/1998	URANIUM-238	2.5	2.49	PCI/G
SC-25307-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0.028	UG/G
SC-25307-S	09/27/1999	PCB	0	37	UG/KG
SC-25307-S	09/27/1999	ARSENIC	7.7	0.43	UG/G
SC-25307-S	09/27/1999	PAH	0	17	UG/KG
SC-25307-S	09/27/1999	CHROMIUM	15.2	0.16	UG/G
SC-25307-S	09/27/1999	LEAD	13.4	0.29	UG/G
SC-25307-S	09/27/1999	RADIUM-226	1.03	0.33	PCI/G
SC-25307-S	09/27/1999	RADIUM-228	0.545	1.09	PCI/G
SC-25307-S	09/27/1999	THALLIUM	2.2	0.76	UG/G
SC-25307-S	09/27/1999	THORIUM-230	8.04	0.62	PCI/G
SC-25307-S	09/27/1999	URANIUM-238	1.59	3.18	PCI/G
SC-25307-S-RS	10/02/1999	THORIUM-230	1.49	0.62	PCI/G
SC-25308-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0145	0.029	UG/G
SC-25308-S	09/27/1999	PCB	0	40	UG/KG
SC-25308-S	09/27/1999	ARSENIC	8.4	0.45	UG/G
SC-25308-S	09/27/1999	PAH	0	18	UG/KG
SC-25308-S	09/27/1999	CHROMIUM	14.6	0.17	UG/G
SC-25308-S	09/27/1999	LEAD	25.9	0.31	UG/G
SC-25308-S	09/27/1999	RADIUM-226	0.85	0.29	PCI/G
SC-25308-S	09/27/1999	RADIUM-228	1.41	0.45	PCI/G
SC-25308-S	09/27/1999	THALLIUM	2	0.81	UG/G
SC-25308-S	09/27/1999	THORIUM-230	4.22	0.64	PCI/G
SC-25308-S	09/27/1999	URANIUM-238	1.375	2.75	PCI/G
SC-25309-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.0135	0.027	UG/G
SC-25309-S	09/27/1999	PCB	0	38	UG/KG
SC-25309-S	09/27/1999	ARSENIC	9	0.44	UG/G
SC-25309-S	09/27/1999	PAH	0	17	UG/KG
SC-25309-S	09/27/1999	CHROMIUM	16	0.16	UG/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25309-S	09/27/1999	LEAD	12.5	0.3	UG/G
SC-25309-S	09/27/1999	RADIUM-226	0.28	0.56	PCI/G
SC-25309-S	09/27/1999	RADIUM-228	0.465	0.93	PCI/G
SC-25309-S	09/27/1999	THALLIUM	2.6	0 79	UG/G
SC-25309-S	09/27/1999	THORIUM-230	1.23	0.65	PCI/G
SC-25309-S	09/27/1999	URANIUM-238	1 25	2 5	PCI/G
SC-25310-S	07/08/1998	RADIUM-226	1.21	0.43	PCI/G
SC-25310-S	07/08/1998	RADIUM-228	1 57	0 42	PCI/G
SC-25310-S	07/08/1998	THORIUM-230	1.07	0.62	PCI/G
SC-25310-S	07/08/1998	URANIUM-238	1 4	2.95	PCI/G
SC-25310-S-01	10/06/1999	PAH	120	18	UG/KG
SC-25310-S-01	10/06/1999	RADIUM-226	0.74	0 29	PCI/G
SC-25310-S-01	10/06/1999	RADIUM-228	0.425	0.85	PCI/G
SC-25310-S-01	10/06/1999	THORIUM-230	1.05	0.64	PCI/G
SC-25310-S-01	10/06/1999	URANIUM-238	1.225	2.45	PCI/G
SC-25311-S	07/08/1998	RADIUM-226	1.09	0.22	PCI/G
SC-25311-S	07/08/1998	RADIUM-228	1.22	0.44	PCI/G
SC-25311-S	07/08/1998	THORIUM-230	0.94	0.62	PCI/G
SC-25311-S	07/08/1998	URANIUM-238	1.3	2.6	PCI/G
SC-25311-S-01	10/06/1999	PAH	0	19	UG/KG
SC-25311-S-01	10/06/1999	RADIUM-226	1.04	0.26	PCI/G
SC-25311-S-01	10/06/1999	RADIUM-228	1.24	0.45	PCI/G
SC-25311-S-01	10/06/1999	THORIUM-230	0.95	0.64	PCI/G
SC-25311-S-01	10/06/1999	URANIUM-238	1.265	2.53	PCI/G
SC-25311-S-02	10/02/1998	RADIUM-226	1.26	0.25	PCI/G
SC-25311-S-02	10/02/1998	RADIUM-228	1.38	0.4	PCI/G
SC-25311-S-02	10/02/1998	THORIUM-230	0.77	0.62	PCI/G
SC-25311-S-02	10/02/1998	URANIUM-238	1 405	2.81	PCI/G
SC-25312-S	09/27/1999	2,4,6-TRINITROTOLUENE	0.014	0 028	UG/G
SC-25312-S	09/27/1999	PCB	0	39	UG/KG
SC-25312-S	09/27/1999	ARSENIC	16.3	0.44	UG/G
SC-25312-S	09/27/1999	PAH	0	17	UG/KG
SC-25312-S	09/27/1999	CHROMIUM	26	0.16	UG/G
SC-25312-S	09/27/1999	LEAD	21.6	0 3	UG/G
SC-25312-S	09/27/1999	RADIUM-226	0 77	0.28	PCI/G
SC-25312-S	09/27/1999	RADIUM-228	1 27	0.37	PCI/G
SC-25312-S	09/27/1999	THALLIUM	5.5	0.79	UG/G
SC-25312-S	09/27/1999	THORIUM-230	4 44	0.64	PCI/G
SC-25312-S	09/27/1999	URANIUM-238	1.275	2.55	PCI/G
SC-25312-S-01	10/06/1999	PAH	0	18	UG/KG
SC-25312-S-01	10/06/1999	RADIUM-226	4 2	0 35	PCI/G
SC-25312-S-01	10/06/1999	RADIUM-228	1 36	0.71	PCI/G
SC-25312-S-01	10/06/1999	THORIUM-230	1 06	0 62	PCI/G
SC-25312-S-01	10/06/1999	URANIUM-238	1 45	2.81	PCI/G
SC-25313-S	10/06/1999	RADIUM-226	0.215	0 43	PCI/G
SC-25313-S	10/06/1999	RADIUM-228	0 99	0 41	PCI/G
SC-25313-S	10/06/1999	THORIUM-230	1.41	0.64	PCI/G
SC-25313-S	10/06/1999	URANIUM-238	1.235	2 47	PCI/G
SC-25314-S	10/01/1999	RADIUM-226	0.285	0 57	PCI/G
SC-25314-S	10/01/1999	RADIUM-228	0.445	0 89	PCI/G
SC-25314-S	10/01/1999	THORIUM-230	1.68	0 64	PCI/G
SC-25314-S	10/01/1999	URANIUM-238	1.17	2.34	PCI/G
SC-25315-C	07/08/1998	RADIUM-226	1.09	0.23	PCI/G
SC-25315-C	07/08/1998	RADIUM-228	1.22	0.51	PCI/G
SC-25315-C	07/08/1998	THORIUM-230	1.06	0.62	PCI/G
SC-25315-C	07/08/1998	URANIUM-238	1.805	3.61	PCI/G
SC-25315-C-01	10/06/1999	PAH	0	18	UG/KG
SC-25315-C-01	10/06/1999	RADIUM-226	0.325	0.65	PCI/G
SC-25315-C-01	10/06/1999	RADIUM-228	1 12	0 52	PCI/G
SC-25315-C-01	10/06/1999	THORIUM-230	1.42	0 64	PCI/G
SC-25315-C-01	10/06/1999	URANIUM-238	1.285	2 57	PCI/G
SC-25315-C-02	10/02/1998	PAH	0	4 4	UG/KG
SC-25315-C-02	10/02/1998	RADIUM-226	1.2	0 37	PCI/G
SC-25315-C-02	10/02/1998	RADIUM-228	0.585	1 17	PCI/G
SC-25315-C-02	10/02/1998	THORIUM-230	1.86	0.62	PCI/G
SC-25315-C-02	10/02/1998	URANIUM-238	1.785	3.57	PCI/G
SC-25316-S	07/08/1998	RADIUM-226	0.92	0.23	PCI/G
SC-25316-S	07/08/1998	RADIUM-228	1.27	0 37	PCI/G
SC-25316-S	07/08/1998	THORIUM-230	0.78	0 62	PCI/G
SC-25316-S	07/08/1998	URANIUM-238	1.29	2.58	PCI/G
SC-25316-S-01	10/06/1999	PAH	0	18	UG/KG
SC-25316-S-01	10/06/1999	RADIUM-226	0.71	0 29	PCI/G

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SC-25316-S-01	10/06/1999	RADIUM-228	1.22	0.46	PCI/G
SC-25316-S-01	10/06/1999	THORIUM-230	0.97	0.64	PCI/G
SC-25316-S-01	10/06/1999	URANIUM-238	1.325	2.65	PCI/G
SC-25316-S-02	10/02/1998	PAH	0	4.5	UG/KG
SC-25316-S-02	10/02/1998	RADIUM-226	1.22	0.31	PCI/G
SC-25316-S-02	10/02/1998	RADIUM-228	1.13	0.38	PCI/G
SC-25316-S-02	10/02/1998	THORIUM-230	1.14	0.62	PCI/G
SC-25316-S-02	10/02/1998	URANIUM-238	1.39	2.78	PCI/G
SC-25317-S	07/08/1998	RADIUM-226	3.08	0.52	PCI/G
SC-25317-S	07/08/1998	RADIUM-228	1.35	0.64	PCI/G
SC-25317-S	07/08/1998	THORIUM-230	1.1	0.62	PCI/G
SC-25317-S	07/08/1998	URANIUM-238	2.075	4.15	PCI/G
SC-25317-S-01	10/06/1999	PAH	800	18	UG/KG
SC-25317-S-01	10/06/1999	RADIUM-226	0.29	0.58	PCI/G
SC-25317-S-01	10/06/1999	RADIUM-228	0.42	0.84	PCI/G
SC-25317-S-01	10/06/1999	THORIUM-230	1.24	0.62	PCI/G
SC-25317-S-01	10/06/1999	URANIUM-238	1.2	2.4	PCI/G
SC-25317-S-02	10/02/1998	PAH	0	4.1	UG/KG
SC-25317-S-02	10/02/1998	RADIUM-226	1.36	0.2	PCI/G
SC-25317-S-02	10/02/1998	RADIUM-228	1.18	0.64	PCI/G
SC-25317-S-02	10/02/1998	THORIUM-230	0.87	0.62	PCI/G
SC-25317-S-02	10/02/1998	URANIUM-238	1.975	3.95	PCI/G
SC-25318-S	10/06/1999	PAH	0	18	UG/KG
SC-25318-S	10/06/1999	RADIUM-226	0.98	0.29	PCI/G
SC-25318-S	10/06/1999	RADIUM-228	0.91	0.5	PCI/G
SC-25318-S	10/06/1999	THORIUM-230	1.1	0.64	PCI/G
SC-25318-S	10/06/1999	URANIUM-238	1.31	2.62	PCI/G
SC-25319-S	10/06/1999	RADIUM-226	0.285	0.57	PCI/G
SC-25319-S	10/06/1999	RADIUM-228	0.41	0.82	PCI/G
SC-25319-S	10/06/1999	THORIUM-230	0.99	0.64	PCI/G
SC-25319-S	10/06/1999	URANIUM-238	1.165	2.33	PCI/G
SC-25320-S	10/01/1999	RADIUM-226	0.55	0.27	PCI/G
SC-25320-S	10/01/1999	RADIUM-228	1.02	0.38	PCI/G
SC-25320-S	10/01/1999	THORIUM-230	1.13	0.62	PCI/G
SC-25320-S	10/01/1999	URANIUM-238	1.17	2.34	PCI/G
SC-25320-S-RS	10/20/1999	RADIUM-226	1.08	0.32	PCI/G
SC-25320-S-RS	10/20/1999	RADIUM-228	0.97	0.52	PCI/G
SC-25320-S-RS	10/20/1999	THORIUM-230	1.68	0.64	PCI/G
SC-25320-S-RS	10/20/1999	URANIUM-238	1.4	2.8	PCI/G
SC-25321-C	07/08/1998	RADIUM-226	1.1	0.25	PCI/G
SC-25321-C	07/08/1998	RADIUM-228	1.43	0.36	PCI/G
SC-25321-C	07/08/1998	THORIUM-230	0.89	0.62	PCI/G
SC-25321-C	07/08/1998	URANIUM-238	1.4	2.8	PCI/G
SC-25321-C-01	10/06/1999	PAH	0	18	UG/KG
SC-25321-C-01	10/06/1999	RADIUM-226	0.7	0.32	PCI/G
SC-25321-C-01	10/06/1999	RADIUM-228	0.92	0.4	PCI/G
SC-25321-C-01	10/06/1999	THORIUM-230	0.91	0.64	PCI/G
SC-25321-C-01	10/06/1999	URANIUM-238	1.225	2.45	PCI/G
SC-25321-C-02	10/02/1998	PAH	0	4.3	UG/KG
SC-25321-C-02	10/02/1998	RADIUM-226	1.04	0.25	PCI/G
SC-25321-C-02	10/02/1998	RADIUM-228	1.14	0.48	PCI/G
SC-25321-C-02	10/02/1998	THORIUM-230	1.15	0.62	PCI/G
SC-25321-C-02	10/02/1998	URANIUM-238	1.32	2.64	PCI/G
SC-25322-S	07/08/1998	RADIUM-226	1.46	0.33	PCI/G
SC-25322-S	07/08/1998	RADIUM-228	1.32	0.46	PCI/G
SC-25322-S	07/08/1998	THORIUM-230	1	0.62	PCI/G
SC-25322-S	07/08/1998	URANIUM-238	1.925	3.85	PCI/G
SC-25322-S-01	10/06/1999	PAH	100	18	UG/KG
SC-25322-S-01	10/06/1999	RADIUM-226	0.295	0.59	PCI/G
SC-25322-S-01	10/06/1999	RADIUM-228	0.535	1.07	PCI/G
SC-25322-S-01	10/06/1999	THORIUM-230	0.98	0.62	PCI/G
SC-25322-S-01	10/06/1999	URANIUM-238	1.205	2.41	PCI/G
SC-25322-S-02	10/02/1998	PAH	0	4.5	UG/KG
SC-25322-S-02	10/02/1998	RADIUM-226	1.41	0.42	PCI/G
SC-25322-S-02	10/02/1998	RADIUM-228	1.36	0.5	PCI/G
SC-25322-S-02	10/02/1998	THORIUM-230	0.88	0.62	PCI/G
SC-25322-S-02	10/02/1998	URANIUM-238	1.93	3.86	PCI/G
SC-25323-S	07/08/1998	RADIUM-226	1.12	0.26	PCI/G
SC-25323-S	07/08/1998	RADIUM-228	1.15	0.36	PCI/G
SC-25323-S	07/08/1998	THORIUM-230	0.88	0.62	PCI/G
SC-25323-S	07/08/1998	URANIUM-238	1.38	2.76	PCI/G
SC-25323-S-01	10/06/1999	PAH	0	18	UG/KG

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25323-S-01	10/06/1999	RADIUM-226	0.57	0.24	PCI/G
SC-25323-S-01	10/06/1999	RADIUM-228	1.1	0.41	PCI/G
SC-25323-S-01	10/06/1999	THORIUM-230	1.03	0.64	PCI/G
SC-25323-S-01	10/06/1999	URANIUM-238	1.26	2.52	PCI/G
SC-25323-S-02	10/02/1998	PAH	0	4 3	UG/KG
SC-25323-S-02	10/02/1998	RADIUM-226	1.39	0.3	PCI/G
SC-25323-S-02	10/02/1998	RADIUM-228	1.29	0 4	PCI/G
SC-25323-S-02	10/02/1998	THORIUM-230	1	0 62	PCI/G
SC-25323-S-02	10/02/1998	URANIUM-238	1.37	2.74	PCI/G
SC-25324-S	10/06/1999	PAH	0	18	UG/KG
SC-25324-S	10/06/1999	RADIUM-226	0.9	0 3	PCI/G
SC-25324-S	10/06/1999	RADIUM-228	0.475	0.95	PCI/G
SC-25324-S	10/06/1999	THORIUM-230	1.22	0 64	PCI/G
SC-25324-S	10/06/1999	URANIUM-238	1.24	2 48	PCI/G
SC-25325-C	10/20/1999	RADIUM-226	0.54	0.28	PCI/G
SC-25325-C	10/20/1999	RADIUM-228	1.09	0 42	PCI/G
SC-25325-C	10/20/1999	THORIUM-230	0.84	0.64	PCI/G
SC-25325-C	10/20/1999	URANIUM-238	1.315	2 63	PCI/G
SC-25325-S	10/01/1999	RADIUM-226	0.96	0.33	PCI/G
SC-25325-S	10/01/1999	RADIUM-228	0.47	0.94	PCI/G
SC-25325-S	10/01/1999	THORIUM-230	0 96	0 62	PCI/G
SC-25325-S	10/01/1999	URANIUM-238	1.325	2 65	PCI/G
SC-25326-S	10/01/1999	RADIUM-226	1 01	0.29	PCI/G
SC-25326-S	10/01/1999	RADIUM-228	0 95	0 46	PCI/G
SC-25326-S	10/01/1999	THORIUM-230	0 99	0 64	PCI/G
SC-25326-S	10/01/1999	URANIUM-238	1.31	2 62	PCI/G
SC-25401-C	09/03/1999	PAH	0	18	UG/KG
SC-25401-C	09/03/1999	RADIUM-226	0.64	0 33	PCI/G
SC-25401-C	09/03/1999	RADIUM-228	0.48	0 96	PCI/G
SC-25401-C	09/03/1999	THORIUM-230	1.04	0 62	PCI/G
SC-25401-C	09/03/1999	URANIUM-238	1 2	2 4	PCI/G
SC-25401-C-RS	09/24/1999	PAH	0	17	UG/KG
SC-25401-C-RS	09/24/1999	RADIUM-226	0 325	0 65	PCI/G
SC-25401-C-RS	09/24/1999	RADIUM-228	1 03	0 45	PCI/G
SC-25401-C-RS	09/24/1999	THORIUM-230	0 85	0 64	PCI/G
SC-25401-C-RS	09/24/1999	URANIUM-238	2 54	2 1	PCI/G
SC-25402-S	07/08/1998	RADIUM-226	0 98	0 3	PCI/G
SC-25402-S	07/08/1998	RADIUM-228	1 55	0 53	PCI/G
SC-25402-S	07/08/1998	THORIUM-230	0 84	0 62	PCI/G
SC-25402-S	07/08/1998	URANIUM-238	1.825	3.65	PCI/G
SC-25402-S-01	10/06/1999	PAH	1100	89	UG/KG
SC-25402-S-01	10/06/1999	RADIUM-226	0 6	0 31	PCI/G
SC-25402-S-01	10/06/1999	RADIUM-228	1 23	0 41	PCI/G
SC-25402-S-01	10/06/1999	THORIUM-230	1 34	0 64	PCI/G
SC-25402-S-01	10/06/1999	URANIUM-238	1 3	2 6	PCI/G
SC-25402-S-02	10/02/1998	PAH	0	3 9	UG/KG
SC-25402-S-02	10/02/1998	RADIUM-226	1 1	0 41	PCI/G
SC-25402-S-02	10/02/1998	RADIUM-228	1 15	0 49	PCI/G
SC-25402-S-02	10/02/1998	THORIUM-230	1 07	0 62	PCI/G
SC-25402-S-02	10/02/1998	URANIUM-238	1 74	3 48	PCI/G
SC-25403-S	07/08/1998	RADIUM-226	1 25	0.24	PCI/G
SC-25403-S	07/08/1998	RADIUM-228	1 42	0 4	PCI/G
SC-25403-S	07/08/1998	THORIUM-230	1 07	0 62	PCI/G
SC-25403-S	07/08/1998	URANIUM-238	1.375	2 75	PCI/G
SC-25403-S-01	10/06/1999	PAH	240	18	UG/KG
SC-25403-S-01	10/06/1999	RADIUM-226	0.31	0 62	PCI/G
SC-25403-S-01	10/06/1999	RADIUM-228	1.14	0 49	PCI/G
SC-25403-S-01	10/06/1999	THORIUM-230	1.47	0 62	PCI/G
SC-25403-S-01	10/06/1999	URANIUM-238	1 425	2 85	PCI/G
SC-25403-S-02	10/02/1998	PAH	0	4.2	UG/KG
SC-25403-S-02	10/02/1998	RADIUM-226	1.26	0 26	PCI/G
SC-25403-S-02	10/02/1998	RADIUM-228	1.35	0 28	PCI/G
SC-25403-S-02	10/02/1998	THORIUM-230	1 07	0 62	PCI/G
SC-25403-S-02	10/02/1998	URANIUM-238	1.32	2 64	PCI/G
SC-25404-S	10/15/1999	RADIUM-226	0.73	0 22	PCI/G
SC-25404-S	10/15/1999	RADIUM-228	1.05	0 34	PCI/G
SC-25404-S	10/15/1999	THORIUM-230	0 98	0 64	PCI/G
SC-25404-S	10/15/1999	URANIUM-238	0 815	1 63	PCI/G
SC-25405-S	10/15/1999	RADIUM-226	0 92	0 27	PCI/G
SC-25405-S	10/15/1999	RADIUM-228	1 14	0 44	PCI/G
SC-25405-S	10/15/1999	THORIUM-230	0 98	0 64	PCI/G
SC-25405-S	10/15/1999	URANIUM-238	1.245	2 49	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25406-C	07/08/1998	RADIUM-226	1.06	0.39	PCI/G
SC-25406-C	07/08/1998	RADIUM-228	0.99	0.46	PCI/G
SC-25406-C	07/08/1998	THORIUM-230	1.15	0.62	PCI/G
SC-25406-C	07/08/1998	URANIUM-238	2.14	4.28	PCI/G
SC-25406-C-01	10/06/1999	PAH	120	18	UG/KG
SC-25406-C-01	10/06/1999	RADIUM-226	0.25	0.5	PCI/G
SC-25406-C-01	10/06/1999	RADIUM-228	1.18	0.41	PCI/G
SC-25406-C-01	10/06/1999	THORIUM-230	1.24	0.64	PCI/G
SC-25406-C-01	10/06/1999	URANIUM-238	1.23	2.46	PCI/G
SC-25406-C-02	10/02/1998	PAH	0	4.5	UG/KG
SC-25406-C-02	10/02/1998	RADIUM-226	0.95	0.34	PCI/G
SC-25406-C-02	10/02/1998	RADIUM-228	0.585	1.17	PCI/G
SC-25406-C-02	10/02/1998	THORIUM-230	1.24	0.62	PCI/G
SC-25406-C-02	10/02/1998	URANIUM-238	1.965	3.93	PCI/G
SC-25407-S	07/08/1998	RADIUM-226	0.86	0.24	PCI/G
SC-25407-S	07/08/1998	RADIUM-228	1.16	0.39	PCI/G
SC-25407-S	07/08/1998	THORIUM-230	1.02	0.62	PCI/G
SC-25407-S	07/08/1998	URANIUM-238	1.25	2.5	PCI/G
SC-25407-S-01	10/06/1999	PAH	490	18	UG/KG
SC-25407-S-01	10/06/1999	RADIUM-226	0.86	0.36	PCI/G
SC-25407-S-01	10/06/1999	RADIUM-228	0.5	1	PCI/G
SC-25407-S-01	10/06/1999	THORIUM-230	1.19	0.62	PCI/G
SC-25407-S-01	10/06/1999	URANIUM-238	1.41	2.82	PCI/G
SC-25408-S	07/08/1998	RADIUM-226	0.99	0.41	PCI/G
SC-25408-S	07/08/1998	RADIUM-228	0.565	1.13	PCI/G
SC-25408-S	07/08/1998	THORIUM-230	1.24	0.62	PCI/G
SC-25408-S	07/08/1998	URANIUM-238	1.79	3.58	PCI/G
SC-25408-S-01	10/06/1999	PAH	1000	88	UG/KG
SC-25408-S-01	10/06/1999	RADIUM-226	0.79	0.28	PCI/G
SC-25408-S-01	10/06/1999	RADIUM-228	0.89	0.47	PCI/G
SC-25408-S-01	10/06/1999	THORIUM-230	1.22	0.64	PCI/G
SC-25408-S-01	10/06/1999	URANIUM-238	1.3	2.6	PCI/G
SC-25408-S-02	10/02/1998	RADIUM-226	1.38	0.27	PCI/G
SC-25408-S-02	10/02/1998	RADIUM-228	1.36	0.4	PCI/G
SC-25408-S-02	10/02/1998	THORIUM-230	1.28	0.62	PCI/G
SC-25408-S-02	10/02/1998	URANIUM-238	3.17	2.7	PCI/G
SC-25409-S	10/15/1999	RADIUM-226	0.94	0.28	PCI/G
SC-25409-S	10/15/1999	RADIUM-228	1.26	0.34	PCI/G
SC-25409-S	10/15/1999	THORIUM-230	1	0.64	PCI/G
SC-25409-S	10/15/1999	URANIUM-238	1.34	2.68	PCI/G
SC-25410-S	10/15/1999	RADIUM-226	0.87	0.32	PCI/G
SC-25410-S	10/15/1999	RADIUM-228	1.32	0.39	PCI/G
SC-25410-S	10/15/1999	THORIUM-230	1.18	0.64	PCI/G
SC-25410-S	10/15/1999	URANIUM-238	1.3	2.6	PCI/G
SC-25412-S	07/08/1998	RADIUM-226	1.06	0.24	PCI/G
SC-25412-S	07/08/1998	RADIUM-228	1.24	0.36	PCI/G
SC-25412-S	07/08/1998	THORIUM-230	0.74	0.62	PCI/G
SC-25412-S	07/08/1998	URANIUM-238	1.33	2.66	PCI/G
SC-25412-S-01	10/06/1999	PAH	35	18	UG/KG
SC-25412-S-01	10/06/1999	RADIUM-226	1	0.32	PCI/G
SC-25412-S-01	10/06/1999	RADIUM-228	1.11	0.4	PCI/G
SC-25412-S-01	10/06/1999	THORIUM-230	1.13	0.64	PCI/G
SC-25412-S-01	10/06/1999	URANIUM-238	1.215	2.43	PCI/G
SC-25413-S	07/08/1998	RADIUM-226	0.84	0.38	PCI/G
SC-25413-S	07/08/1998	RADIUM-228	1.25	0.14	PCI/G
SC-25413-S	07/08/1998	THORIUM-230	1.08	0.62	PCI/G
SC-25413-S	07/08/1998	URANIUM-238	1.87	3.74	PCI/G
SC-25413-S-01	10/06/1999	PAH	64	18	UG/KG
SC-25413-S-01	10/06/1999	RADIUM-226	0.84	0.29	PCI/G
SC-25413-S-01	10/06/1999	RADIUM-228	1.12	0.37	PCI/G
SC-25413-S-01	10/06/1999	THORIUM-230	1.12	0.64	PCI/G
SC-25413-S-01	10/06/1999	URANIUM-238	1.28	2.56	PCI/G
SC-25413-S-02	10/02/1998	RADIUM-226	1.21	0.29	PCI/G
SC-25413-S-02	10/02/1998	RADIUM-228	0.625	1.25	PCI/G
SC-25413-S-02	10/02/1998	THORIUM-230	0.84	0.62	PCI/G
SC-25413-S-02	10/02/1998	URANIUM-238	2.015	4.03	PCI/G
SC-25414-S	09/15/1999	RADIUM-226	0.88	0.3	PCI/G
SC-25414-S	09/15/1999	RADIUM-228	1.03	0.55	PCI/G
SC-25414-S	09/15/1999	THORIUM-230	2.11	0.64	PCI/G
SC-25414-S	09/15/1999	URANIUM-238	1.165	2.33	PCI/G
SC-25415-S	10/14/1999	RADIUM-226	0.235	0.47	PCI/G
SC-25415-S	10/14/1999	RADIUM-228	1.11	0.55	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25415-S	10/14/1999	THORIUM-230	0.71	0.64	PCI/G
SC-25415-S	10/14/1999	URANIUM-238	1.285	2.57	PCI/G
SC-25417-S	07/08/1998	RADIUM-226	0.91	0.23	PCI/G
SC-25417-S	07/08/1998	RADIUM-228	1.08	0.43	PCI/G
SC-25417-S	07/08/1998	THORIUM-230	0 97	0.62	PCI/G
SC-25417-S	07/08/1998	URANIUM-238	1.375	2 75	PCI/G
SC-25417-S-01	10/06/1999	PAH	380	18	UG/KG
SC-25417-S-01	10/06/1999	RADIUM-226	0 91	0.3	PCI/G
SC-25417-S-01	10/06/1999	RADIUM-228	0.445	0.89	PCI/G
SC-25417-S-01	10/06/1999	THORIUM-230	1 03	0 64	PCI/G
SC-25417-S-01	10/06/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25418-S	07/08/1998	RADIUM-226	1.17	0.42	PCI/G
SC-25418-S	07/08/1998	RADIUM-228	0.59	1.18	PCI/G
SC-25418-S	07/08/1998	THORIUM-230	0.88	0.62	PCI/G
SC-25418-S	07/08/1998	URANIUM-238	2.04	4.08	PCI/G
SC-25418-S-01	10/06/1999	PAH	150	18	UG/KG
SC-25418-S-01	10/06/1999	RADIUM-226	0 8	0.27	PCI/G
SC-25418-S-01	10/06/1999	RADIUM-228	1.18	0 4	PCI/G
SC-25418-S-01	10/06/1999	THORIUM-230	1.11	0 64	PCI/G
SC-25418-S-01	10/06/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25418-S-02	10/02/1998	RADIUM-226	1.07	0.22	PCI/G
SC-25418-S-02	10/02/1998	RADIUM-228	1.31	0 41	PCI/G
SC-25418-S-02	10/02/1998	THORIUM-230	1 07	0.62	PCI/G
SC-25418-S-02	10/02/1998	URANIUM-238	1.29	2.58	PCI/G
SC-25419-S	09/15/1999	RADIUM-226	0.74	0.26	PCI/G
SC-25419-S	09/15/1999	RADIUM-228	0.98	0.44	PCI/G
SC-25419-S	09/15/1999	THORIUM-230	1.15	0.62	PCI/G
SC-25419-S	09/15/1999	URANIUM-238	1.225	2 45	PCI/G
SC-25420-S	10/14/1999	RADIUM-226	0.64	0.31	PCI/G
SC-25420-S	10/14/1999	RADIUM-228	1 08	0.4	PCI/G
SC-25420-S	10/14/1999	THORIUM-230	1.22	0 64	PCI/G
SC-25420-S	10/14/1999	URANIUM-238	1.275	2 55	PCI/G
SC-25501-S	10/01/1999	RADIUM-226	0.265	0 53	PCI/G
SC-25501-S	10/01/1999	RADIUM-228	0.45	0 9	PCI/G
SC-25501-S	10/01/1999	THORIUM-230	0.91	0 64	PCI/G
SC-25501-S	10/01/1999	URANIUM-238	1 17	2 34	PCI/G
SC-25502-S	10/01/1999	RADIUM-226	0 32	0 33	PCI/G
SC-25502-S	10/01/1999	RADIUM-228	1 21	0 42	PCI/G
SC-25502-S	10/01/1999	THORIUM-230	1 63	0 62	PCI/G
SC-25502-S	10/01/1999	URANIUM-238	1 145	2 29	PCI/G
SC-25503-S	10/01/1999	RADIUM-226	0 61	0 2	PCI/G
SC-25503-S	10/01/1999	RADIUM-228	1 09	0 32	PCI/G
SC-25503-S	10/01/1999	THORIUM-230	1.31	0 62	PCI/G
SC-25503-S	10/01/1999	URANIUM-238	3 83	1 72	PCI/G
SC-25504-S	10/01/1999	RADIUM-226	0.73	0.27	PCI/G
SC-25504-S	10/01/1999	RADIUM-228	0.96	0 39	PCI/G
SC-25504-S	10/01/1999	THORIUM-230	0 8	0 64	PCI/G
SC-25504-S	10/01/1999	URANIUM-238	1.21	2 42	PCI/G
SC-25505-S	10/15/1999	RADIUM-226	0.77	0.28	PCI/G
SC-25505-S	10/15/1999	RADIUM-228	0.87	0 46	PCI/G
SC-25505-S	10/15/1999	THORIUM-230	0.92	0.64	PCI/G
SC-25505-S	10/15/1999	URANIUM-238	1.285	2 57	PCI/G
SC-25506-S	10/15/1999	RADIUM-226	0.83	0 31	PCI/G
SC-25506-S	10/15/1999	RADIUM-228	0.94	0 48	PCI/G
SC-25506-S	10/15/1999	THORIUM-230	1 36	0 64	PCI/G
SC-25506-S	10/15/1999	URANIUM-238	8 22	2 48	PCI/G
SC-25507-S	10/15/1999	RADIUM-226	0.79	0.28	PCI/G
SC-25507-S	10/15/1999	RADIUM-228	0.425	0.85	PCI/G
SC-25507-S	10/15/1999	THORIUM-230	1.15	0 64	PCI/G
SC-25507-S	10/15/1999	URANIUM-238	1.31	2 62	PCI/G
SC-25508-S	10/15/1999	RADIUM-226	0.77	0.29	PCI/G
SC-25508-S	10/15/1999	RADIUM-228	1.08	0.45	PCI/G
SC-25508-S	10/15/1999	THORIUM-230	0.98	0.64	PCI/G
SC-25508-S	10/15/1999	URANIUM-238	1.285	2.57	PCI/G
SC-25509-S	10/15/1999	RADIUM-226	0.61	0.31	PCI/G
SC-25509-S	10/15/1999	RADIUM-228	0.51	1.02	PCI/G
SC-25509-S	10/15/1999	THORIUM-230	0.89	0 64	PCI/G
SC-25509-S	10/15/1999	URANIUM-238	1 17	2.34	PCI/G
SC-25510-S	10/15/1999	RADIUM-226	0.265	0.53	PCI/G
SC-25510-S	10/15/1999	RADIUM-228	0 46	0 92	PCI/G
SC-25510-S	10/15/1999	THORIUM-230	0 97	0 64	PCI/G
SC-25510-S	10/15/1999	URANIUM-238	1 275	2 55	PCI/G

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SC-25511-S	10/15/1999	RADIUM-226	0.7	0.28	PCI/G
SC-25511-S	10/15/1999	RADIUM-228	1.16	0.33	PCI/G
SC-25511-S	10/15/1999	THORIUM-230	1.32	0.64	PCI/G
SC-25511-S	10/15/1999	URANIUM-238	1.32	2.64	PCI/G
SC-25512-S	10/15/1999	RADIUM-226	4.24	0.5	PCI/G
SC-25512-S	10/15/1999	RADIUM-228	7.09	0.75	PCI/G
SC-25512-S	10/15/1999	THORIUM-230	91.3	0.64	PCI/G
SC-25512-S	10/15/1999	URANIUM-238	2.585	5.17	PCI/G
SC-25512-S-RS	10/23/1999	RADIUM-226	0.48	0.28	PCI/G
SC-25512-S-RS	10/23/1999	RADIUM-228	0.97	0.42	PCI/G
SC-25512-S-RS	10/23/1999	THORIUM-230	0.77	0.64	PCI/G
SC-25512-S-RS	10/23/1999	URANIUM-238	4.84	2.81	PCI/G
SC-25513-S	10/15/1999	RADIUM-226	3.99	0.6	PCI/G
SC-25513-S	10/15/1999	RADIUM-228	5.36	0.9	PCI/G
SC-25513-S	10/15/1999	THORIUM-230	52.6	0.64	PCI/G
SC-25513-S	10/15/1999	URANIUM-238	2.335	4.67	PCI/G
SC-25513-S-RS	10/23/1999	RADIUM-226	0.46	0.29	PCI/G
SC-25513-S-RS	10/23/1999	RADIUM-228	1.15	0.43	PCI/G
SC-25513-S-RS	10/23/1999	THORIUM-230	1.2	0.64	PCI/G
SC-25513-S-RS	10/23/1999	URANIUM-238	1.225	2.45	PCI/G
SC-25514-S	10/15/1999	RADIUM-226	4.03	0.45	PCI/G
SC-25514-S	10/15/1999	RADIUM-228	4.69	0.7	PCI/G
SC-25514-S	10/15/1999	THORIUM-230	38.1	0.64	PCI/G
SC-25514-S	10/15/1999	URANIUM-238	2.355	4.71	PCI/G
SC-25514-S-RS	10/23/1999	RADIUM-226	0.81	0.29	PCI/G
SC-25514-S-RS	10/23/1999	RADIUM-228	0.41	0.82	PCI/G
SC-25514-S-RS	10/23/1999	THORIUM-230	0.9	0.64	PCI/G
SC-25514-S-RS	10/23/1999	URANIUM-238	9.5	2.86	PCI/G
SC-25515-S	10/15/1999	RADIUM-226	1.23	0.31	PCI/G
SC-25515-S	10/15/1999	RADIUM-228	0.96	0.4	PCI/G
SC-25515-S	10/15/1999	THORIUM-230	1.26	0.64	PCI/G
SC-25515-S	10/15/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25516-S	10/15/1999	RADIUM-226	0.68	0.35	PCI/G
SC-25516-S	10/15/1999	RADIUM-228	0.43	0.86	PCI/G
SC-25516-S	10/15/1999	THORIUM-230	1.32	0.64	PCI/G
SC-25516-S	10/15/1999	URANIUM-238	3.22	2.71	PCI/G
SC-25517-S	10/15/1999	RADIUM-226	0.56	0.27	PCI/G
SC-25517-S	10/15/1999	RADIUM-228	0.77	0.46	PCI/G
SC-25517-S	10/15/1999	THORIUM-230	1.05	0.64	PCI/G
SC-25517-S	10/15/1999	URANIUM-238	5.51	2.53	PCI/G
SC-25518-S	10/14/1999	RADIUM-226	0.29	0.58	PCI/G
SC-25518-S	10/14/1999	RADIUM-228	1.02	0.52	PCI/G
SC-25518-S	10/14/1999	THORIUM-230	1.09	0.64	PCI/G
SC-25518-S	10/14/1999	URANIUM-238	1.275	2.55	PCI/G
SC-25519-S	10/14/1999	RADIUM-226	0.56	0.27	PCI/G
SC-25519-S	10/14/1999	RADIUM-228	0.83	0.43	PCI/G
SC-25519-S	10/14/1999	THORIUM-230	0.96	0.64	PCI/G
SC-25519-S	10/14/1999	URANIUM-238	1.215	2.43	PCI/G
SC-25520-S	10/14/1999	RADIUM-226	0.275	0.55	PCI/G
SC-25520-S	10/14/1999	RADIUM-228	0.42	0.84	PCI/G
SC-25520-S	10/14/1999	THORIUM-230	0.93	0.64	PCI/G
SC-25520-S	10/14/1999	URANIUM-238	1.475	2.95	PCI/G
SC-25521-S	10/14/1999	RADIUM-226	0.62	0.31	PCI/G
SC-25521-S	10/14/1999	RADIUM-228	1.06	0.47	PCI/G
SC-25521-S	10/14/1999	THORIUM-230	2.34	0.64	PCI/G
SC-25521-S	10/14/1999	URANIUM-238	7.05	3.29	PCI/G
SC-25522-S	10/14/1999	RADIUM-226	0.29	0.58	PCI/G
SC-25522-S	10/14/1999	RADIUM-228	0.535	1.07	PCI/G
SC-25522-S	10/14/1999	THORIUM-230	1.96	0.64	PCI/G
SC-25522-S	10/14/1999	URANIUM-238	5.5	2.83	PCI/G
SC-25601-S	10/01/1999	RADIUM-226	0.74	0.38	PCI/G
SC-25601-S	10/01/1999	RADIUM-228	0.475	0.95	PCI/G
SC-25601-S	10/01/1999	THORIUM-230	1.31	0.64	PCI/G
SC-25601-S	10/01/1999	URANIUM-238	8.29	2.32	PCI/G
SC-25602-S	10/01/1999	RADIUM-226	0.5	0.31	PCI/G
SC-25602-S	10/01/1999	RADIUM-228	1.18	0.4	PCI/G
SC-25602-S	10/01/1999	THORIUM-230	1.04	0.64	PCI/G
SC-25602-S	10/01/1999	URANIUM-238	5.17	2.53	PCI/G
SC-25603-S	10/01/1999	RADIUM-226	0.71	0.24	PCI/G
SC-25603-S	10/01/1999	RADIUM-228	0.87	0.41	PCI/G
SC-25603-S	10/01/1999	THORIUM-230	1.38	0.64	PCI/G
SC-25603-S	10/01/1999	URANIUM-238	9.13	2.36	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25604-S	10/01/1999	RADIUM-226	0 66	0 29	PCI/G
SC-25604-S	10/01/1999	RADIUM-228	0 42	0 84	PCI/G
SC-25604-S	10/01/1999	THORIUM-230	1 22	0 62	PCI/G
SC-25604-S	10/01/1999	URANIUM-238	8.76	2 99	PCI/G
SC-25605-S	10/15/1999	RADIUM-226	0.29	0.58	PCI/G
SC-25605-S	10/15/1999	RADIUM-228	0.53	1.06	PCI/G
SC-25605-S	10/15/1999	THORIUM-230	1.4	0.64	PCI/G
SC-25605-S	10/15/1999	URANIUM-238	1.505	3 01	PCI/G
SC-25606-S	10/14/1999	RADIUM-226	0 51	0 31	PCI/G
SC-25606-S	10/14/1999	RADIUM-228	0 87	0.42	PCI/G
SC-25606-S	10/14/1999	THORIUM-230	1.17	0.64	PCI/G
SC-25606-S	10/14/1999	URANIUM-238	7.63	2.62	PCI/G
SC-25607-S	10/14/1999	RADIUM-226	0.49	0.28	PCI/G
SC-25607-S	10/14/1999	RADIUM-228	0.405	0.81	PCI/G
SC-25607-S	10/14/1999	THORIUM-230	0 93	0.64	PCI/G
SC-25607-S	10/14/1999	URANIUM-238	1.275	2.55	PCI/G
SC-25608-S	10/14/1999	RADIUM-226	0 57	0.26	PCI/G
SC-25608-S	10/14/1999	RADIUM-228	0 85	0 48	PCI/G
SC-25608-S	10/14/1999	THORIUM-230	1.06	0 64	PCI/G
SC-25608-S	10/14/1999	URANIUM-238	1.33	2 66	PCI/G
SC-25609-S	10/14/1999	RADIUM-226	0 7	0 31	PCI/G
SC-25609-S	10/14/1999	RADIUM-228	1.07	0.57	PCI/G
SC-25609-S	10/14/1999	THORIUM-230	1.44	0.64	PCI/G
SC-25609-S	10/14/1999	URANIUM-238	6.6	2.65	PCI/G
SC-25610-S	10/14/1999	RADIUM-226	1 19	0 29	PCI/G
SC-25610-S	10/14/1999	RADIUM-228	1	0 44	PCI/G
SC-25610-S	10/14/1999	THORIUM-230	0.91	0.64	PCI/G
SC-25610-S	10/14/1999	URANIUM-238	5 81	2 32	PCI/G
SC-25611-S	10/14/1999	RADIUM-226	0.51	0.31	PCI/G
SC-25611-S	10/14/1999	RADIUM-228	0.475	0.95	PCI/G
SC-25611-S	10/14/1999	THORIUM-230	1 1	0.64	PCI/G
SC-25611-S	10/14/1999	URANIUM-238	4 46	2 51	PCI/G
SC-25612-S	10/14/1999	RADIUM-226	0 42	0 3	PCI/G
SC-25612-S	10/14/1999	RADIUM-228	0 76	0 4	PCI/G
SC-25612-S	10/14/1999	THORIUM-230	1 01	0 64	PCI/G
SC-25612-S	10/14/1999	URANIUM-238	6 38	2 44	PCI/G
SC-25613-S	10/14/1999	RADIUM-226	0 285	0 57	PCI/G
SC-25613-S	10/14/1999	RADIUM-228	0 445	0 89	PCI/G
SC-25613-S	10/14/1999	THORIUM-230	1.01	0 64	PCI/G
SC-25613-S	10/14/1999	URANIUM-238	7 19	2.83	PCI/G
SC-25614-S	10/14/1999	RADIUM-226	0 52	0 28	PCI/G
SC-25614-S	10/14/1999	RADIUM-228	1	0 41	PCI/G
SC-25614-S	10/14/1999	THORIUM-230	1 08	0.64	PCI/G
SC-25614-S	10/14/1999	URANIUM-238	1 48	2 96	PCI/G
SC-25615-S	10/14/1999	RADIUM-226	0 64	0.3	PCI/G
SC-25615-S	10/14/1999	RADIUM-228	0 41	0 82	PCI/G
SC-25615-S	10/14/1999	THORIUM-230	1	0 64	PCI/G
SC-25615-S	10/14/1999	URANIUM-238	6 65	3.04	PCI/G
SC-25616-S	10/14/1999	RADIUM-226	0 51	0.31	PCI/G
SC-25616-S	10/14/1999	RADIUM-228	0 87	0 48	PCI/G
SC-25616-S	10/14/1999	THORIUM-230	1 25	0.64	PCI/G
SC-25616-S	10/14/1999	URANIUM-238	6 39	2.36	PCI/G
SC-25617-S	10/14/1999	RADIUM-226	0 29	0 58	PCI/G
SC-25617-S	10/14/1999	RADIUM-228	0.455	0 91	PCI/G
SC-25617-S	10/14/1999	THORIUM-230	1 27	0 64	PCI/G
SC-25617-S	10/14/1999	URANIUM-238	7 63	2 86	PCI/G
SC-25618-S	10/14/1999	RADIUM-226	0.51	0 31	PCI/G
SC-25618-S	10/14/1999	RADIUM-228	1.23	0 38	PCI/G
SC-25618-S	10/14/1999	THORIUM-230	0.82	0 64	PCI/G
SC-25618-S	10/14/1999	URANIUM-238	1 175	2 35	PCI/G
SC-25619-S	10/14/1999	RADIUM-226	0.275	0 55	PCI/G
SC-25619-S	10/14/1999	RADIUM-228	0.39	0 78	PCI/G
SC-25619-S	10/14/1999	THORIUM-230	1.15	0 64	PCI/G
SC-25619-S	10/14/1999	URANIUM-238	1 18	2 36	PCI/G
SC-25620-S	10/14/1999	RADIUM-226	0 5	0 32	PCI/G
SC-25620-S	10/14/1999	RADIUM-228	1.01	0 33	PCI/G
SC-25620-S	10/14/1999	THORIUM-230	1.03	0 64	PCI/G
SC-25620-S	10/14/1999	URANIUM-238	7.99	2 48	PCI/G
SC-25701-S	10/14/1999	RADIUM-226	0.61	0.28	PCI/G
SC-25701-S	10/14/1999	RADIUM-228	0 425	0 85	PCI/G
SC-25701-S	10/14/1999	THORIUM-230	0.99	0 64	PCI/G
SC-25701-S	10/14/1999	URANIUM-238	1 26	2 52	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25702-S	10/14/1999	RADIUM-226	0.48	0.3	PCI/G
SC-25702-S	10/14/1999	RADIUM-228	1.04	0.38	PCI/G
SC-25702-S	10/14/1999	THORIUM-230	1.11	0.64	PCI/G
SC-25702-S	10/14/1999	URANIUM-238	1.165	2.33	PCI/G
SC-25703-S	10/01/1999	RADIUM-226	0.89	0.31	PCI/G
SC-25703-S	10/01/1999	RADIUM-228	1.28	0.38	PCI/G
SC-25703-S	10/01/1999	THORIUM-230	1.14	0.62	PCI/G
SC-25703-S	10/01/1999	URANIUM-238	1.365	2.73	PCI/G
SC-25704-S	02/01/1999	RADIUM-226	6.62	0.63	PCI/G
SC-25704-S	02/01/1999	RADIUM-228	4.69	0.92	PCI/G
SC-25704-S	02/01/1999	THORIUM-230	36.8	0.62	PCI/G
SC-25704-S	02/01/1999	URANIUM-238	10.5	6.04	PCI/G
SC-25704-S-01	09/26/1999	RADIUM-226	0.335	0.67	PCI/G
SC-25704-S-01	09/26/1999	RADIUM-228	0.445	0.89	PCI/G
SC-25704-S-01	09/26/1999	THORIUM-230	1.12	0.64	PCI/G
SC-25704-S-01	09/26/1999	URANIUM-238	1.44	2.88	PCI/G
SC-25705-S	10/22/1999	RADIUM-226	0.93	0.26	PCI/G
SC-25705-S	10/22/1999	RADIUM-228	1.14	0.42	PCI/G
SC-25705-S	10/22/1999	THORIUM-230	0.97	0.64	PCI/G
SC-25705-S	10/22/1999	URANIUM-238	1.23	2.46	PCI/G
SC-25706-S	10/14/1999	RADIUM-226	0.7	0.29	PCI/G
SC-25706-S	10/14/1999	RADIUM-228	1.17	0.39	PCI/G
SC-25706-S	10/14/1999	THORIUM-230	1.36	0.64	PCI/G
SC-25706-S	10/14/1999	URANIUM-238	5.38	2.56	PCI/G
SC-25707-S	10/01/1999	RADIUM-226	1.02	0.36	PCI/G
SC-25707-S	10/01/1999	RADIUM-228	1.21	0.45	PCI/G
SC-25707-S	10/01/1999	THORIUM-230	2.28	0.64	PCI/G
SC-25707-S	10/01/1999	URANIUM-238	1.38	2.76	PCI/G
SC-25708-S	10/01/1999	RADIUM-226	1.07	0.29	PCI/G
SC-25708-S	10/01/1999	RADIUM-228	1.01	0.46	PCI/G
SC-25708-S	10/01/1999	THORIUM-230	1.33	0.64	PCI/G
SC-25708-S	10/01/1999	URANIUM-238	1.235	2.47	PCI/G
SC-25709-S	10/14/1999	RADIUM-226	0.62	0.28	PCI/G
SC-25709-S	10/14/1999	RADIUM-228	0.95	0.4	PCI/G
SC-25709-S	10/14/1999	THORIUM-230	0.96	0.64	PCI/G
SC-25709-S	10/14/1999	URANIUM-238	4.88	2.39	PCI/G
SC-25710-S	10/14/1999	RADIUM-226	0.275	0.55	PCI/G
SC-25710-S	10/14/1999	RADIUM-228	0.505	1.01	PCI/G
SC-25710-S	10/14/1999	THORIUM-230	1.14	0.64	PCI/G
SC-25710-S	10/14/1999	URANIUM-238	14.9	3.16	PCI/G
SC-25711-S	10/01/1999	RADIUM-226	0.86	0.27	PCI/G
SC-25711-S	10/01/1999	RADIUM-228	1.21	0.52	PCI/G
SC-25711-S	10/01/1999	THORIUM-230	1.36	0.62	PCI/G
SC-25711-S	10/01/1999	URANIUM-238	1.37	2.74	PCI/G
SC-25712-S	10/01/1999	RADIUM-226	0.85	0.28	PCI/G
SC-25712-S	10/01/1999	RADIUM-228	1.24	0.39	PCI/G
SC-25712-S	10/01/1999	THORIUM-230	0.99	0.62	PCI/G
SC-25712-S	10/01/1999	URANIUM-238	1.245	2.49	PCI/G
SC-25713-S	10/14/1999	RADIUM-226	0.51	0.29	PCI/G
SC-25713-S	10/14/1999	RADIUM-228	0.93	0.45	PCI/G
SC-25713-S	10/14/1999	THORIUM-230	0.88	0.64	PCI/G
SC-25713-S	10/14/1999	URANIUM-238	7.24	3.41	PCI/G
SC-25714-S	10/14/1999	RADIUM-226	0.59	0.3	PCI/G
SC-25714-S	10/14/1999	RADIUM-228	1.03	0.46	PCI/G
SC-25714-S	10/14/1999	THORIUM-230	1.15	0.64	PCI/G
SC-25714-S	10/14/1999	URANIUM-238	8.29	2.74	PCI/G
SC-25715-S	10/01/1999	RADIUM-226	0.86	0.35	PCI/G
SC-25715-S	10/01/1999	RADIUM-228	0.445	0.89	PCI/G
SC-25715-S	10/01/1999	THORIUM-230	1.05	0.64	PCI/G
SC-25715-S	10/01/1999	URANIUM-238	1.325	2.65	PCI/G
SC-25716-S	10/01/1999	RADIUM-226	0.84	0.29	PCI/G
SC-25716-S	10/01/1999	RADIUM-228	0.93	0.43	PCI/G
SC-25716-S	10/01/1999	THORIUM-230	1.72	0.62	PCI/G
SC-25716-S	10/01/1999	URANIUM-238	1.275	2.55	PCI/G
SC-25717-S	10/14/1999	RADIUM-226	0.55	0.29	PCI/G
SC-25717-S	10/14/1999	RADIUM-228	1.19	0.39	PCI/G
SC-25717-S	10/14/1999	THORIUM-230	1.09	0.64	PCI/G
SC-25717-S	10/14/1999	URANIUM-238	9.12	2.49	PCI/G
SC-25718-S	10/14/1999	RADIUM-226	0.26	0.52	PCI/G
SC-25718-S	10/14/1999	RADIUM-228	0.475	0.95	PCI/G
SC-25718-S	10/14/1999	THORIUM-230	0.99	0.64	PCI/G
SC-25718-S	10/14/1999	URANIUM-238	64.8	4.83	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25719-S	10/01/1999	RADIUM-226	0.82	0 31	PCI/G
SC-25719-S	10/01/1999	RADIUM-228	1.03	0 54	PCI/G
SC-25719-S	10/01/1999	THORIUM-230	1.44	0 64	PCI/G
SC-25719-S	10/01/1999	URANIUM-238	1 25	2 5	PCI/G
SC-25720-S	10/01/1999	RADIUM-226	0.98	0.28	PCI/G
SC-25720-S	10/01/1999	RADIUM-228	1 16	0 39	PCI/G
SC-25720-S	10/01/1999	THORIUM-230	1 4	0.64	PCI/G
SC-25720-S	10/01/1999	URANIUM-238	1 375	2 75	PCI/G
SC-25801-S	02/01/1999	RADIUM-226	0.94	0 32	PCI/G
SC-25801-S	02/01/1999	RADIUM-228	1 18	0 42	PCI/G
SC-25801-S	02/01/1999	THORIUM-230	1.37	0 62	PCI/G
SC-25801-S	02/01/1999	URANIUM-238	1.375	2 75	PCI/G
SC-25801-S-01	09/26/1999	RADIUM-226	0.9	0.26	PCI/G
SC-25801-S-01	09/26/1999	RADIUM-228	1.17	0 43	PCI/G
SC-25801-S-01	09/26/1999	THORIUM-230	0.99	0.62	PCI/G
SC-25801-S-01	09/26/1999	URANIUM-238	1.295	2.59	PCI/G
SC-25802-S	05/07/1999	RADIUM-226	0.31	0.62	PCI/G
SC-25802-S	05/07/1999	RADIUM-228	0 46	0 92	PCI/G
SC-25802-S	05/07/1999	THORIUM-230	1 1	0 73	PCI/G
SC-25802-S	05/07/1999	URANIUM-238	1.25	2.5	PCI/G
SC-25802-S-01	09/26/1999	RADIUM-226	0 79	0 31	PCI/G
SC-25802-S-01	09/26/1999	RADIUM-228	0.445	0 89	PCI/G
SC-25802-S-01	09/26/1999	THORIUM-230	1 5	0 64	PCI/G
SC-25802-S-01	09/26/1999	URANIUM-238	4 76	2.86	PCI/G
SC-25803-S	06/23/1999	RADIUM-226	1 14	0 3	PCI/G
SC-25803-S	06/23/1999	RADIUM-228	0 51	1 02	PCI/G
SC-25803-S	06/23/1999	THORIUM-230	1 19	0.64	PCI/G
SC-25803-S	06/23/1999	URANIUM-238	1.33	2 66	PCI/G
SC-25804-S	06/23/1999	RADIUM-226	0 76	0.29	PCI/G
SC-25804-S	06/23/1999	RADIUM-228	1.03	0 4	PCI/G
SC-25804-S	06/23/1999	THORIUM-230	3 41	0 64	PCI/G
SC-25804-S	06/23/1999	URANIUM-238	1.255	2.51	PCI/G
SC-25805-S	08/04/1999	RADIUM-226	0.89	0 32	PCI/G
SC-25805-S	08/04/1999	RADIUM-228	1.08	0.46	PCI/G
SC-25805-S	08/04/1999	THORIUM-230	0.76	0 64	PCI/G
SC-25805-S	08/04/1999	URANIUM-238	1 34	2 68	PCI/G
SC-25805-S-01	09/27/1999	RADIUM-226	0.96	0.38	PCI/G
SC-25805-S-01	09/27/1999	RADIUM-228	0.475	0.95	PCI/G
SC-25805-S-01	09/27/1999	THORIUM-230	0 99	0.62	PCI/G
SC-25805-S-01	09/27/1999	URANIUM-238	1 25	2 5	PCI/G
SC-25806-S	05/07/1999	RADIUM-226	0 71	0.32	PCI/G
SC-25806-S	05/07/1999	RADIUM-228	1 12	0.53	PCI/G
SC-25806-S	05/07/1999	THORIUM-230	2 38	0.62	PCI/G
SC-25806-S	05/07/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25806-S-01	09/27/1999	RADIUM-226	0 79	0.28	PCI/G
SC-25806-S-01	09/27/1999	RADIUM-228	0 95	0.39	PCI/G
SC-25806-S-01	09/27/1999	THORIUM-230	1 01	0.65	PCI/G
SC-25806-S-01	09/27/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25807-S	06/18/1999	RADIUM-226	0.67	0.32	PCI/G
SC-25807-S	06/18/1999	RADIUM-228	0 535	1.07	PCI/G
SC-25807-S	06/18/1999	THORIUM-230	2.48	0.62	PCI/G
SC-25807-S	06/18/1999	URANIUM-238	1.325	2.65	PCI/G
SC-25808-S	06/23/1999	RADIUM-226	0.89	0.23	PCI/G
SC-25808-S	06/23/1999	RADIUM-228	1.15	0 37	PCI/G
SC-25808-S	06/23/1999	THORIUM-230	2.03	0 64	PCI/G
SC-25808-S	06/23/1999	URANIUM-238	1 235	2 47	PCI/G
SC-25809-S	08/04/1999	RADIUM-226	0 33	0 66	PCI/G
SC-25809-S	08/04/1999	RADIUM-228	1.1	0 49	PCI/G
SC-25809-S	08/04/1999	THORIUM-230	1 97	0 64	PCI/G
SC-25809-S	08/04/1999	URANIUM-238	1.445	2 89	PCI/G
SC-25809-S-01	09/27/1999	RADIUM-226	0 94	0.29	PCI/G
SC-25809-S-01	09/27/1999	RADIUM-228	0 79	0.5	PCI/G
SC-25809-S-01	09/27/1999	THORIUM-230	1 13	0.64	PCI/G
SC-25809-S-01	09/27/1999	URANIUM-238	1.31	2 62	PCI/G
SC-25810-S	05/07/1999	RADIUM-226	1.07	0 28	PCI/G
SC-25810-S	05/07/1999	RADIUM-228	0.87	0 44	PCI/G
SC-25810-S	05/07/1999	THORIUM-230	1 61	0 7	PCI/G
SC-25810-S	05/07/1999	URANIUM-238	1 33	2 66	PCI/G
SC-25810-S-01	09/27/1999	RADIUM-226	0.8	0 35	PCI/G
SC-25810-S-01	09/27/1999	RADIUM-228	0.475	0 95	PCI/G
SC-25810-S-01	09/27/1999	THORIUM-230	0.97	0.62	PCI/G
SC-25810-S-01	09/27/1999	URANIUM-238	1.19	2 38	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25811-S	06/16/1999	RADIUM-226	0.72	0.26	PCI/G
SC-25811-S	06/16/1999	RADIUM-228	0.49	0.98	PCI/G
SC-25811-S	06/16/1999	THORIUM-230	0.93	0.65	PCI/G
SC-25811-S	06/16/1999	URANIUM-238	1.3	2.6	PCI/G
SC-25812-S	06/16/1999	RADIUM-226	0.44	0.34	PCI/G
SC-25812-S	06/16/1999	RADIUM-228	0.98	0.4	PCI/G
SC-25812-S	06/16/1999	THORIUM-230	1.43	0.64	PCI/G
SC-25812-S	06/16/1999	URANIUM-238	1.215	2.43	PCI/G
SC-25813-S	08/04/1999	RADIUM-226	0.93	0.32	PCI/G
SC-25813-S	08/04/1999	RADIUM-228	1.41	0.41	PCI/G
SC-25813-S	08/04/1999	THORIUM-230	0.93	0.64	PCI/G
SC-25813-S	08/04/1999	URANIUM-238	1.395	2.79	PCI/G
SC-25813-S-01	09/27/1999	RADIUM-226	0.77	0.34	PCI/G
SC-25813-S-01	09/27/1999	RADIUM-228	1.1	0.43	PCI/G
SC-25813-S-01	09/27/1999	THORIUM-230	1.27	0.64	PCI/G
SC-25813-S-01	09/27/1999	URANIUM-238	1.315	2.63	PCI/G
SC-25814-S	05/07/1999	RADIUM-226	0.77	0.39	PCI/G
SC-25814-S	05/07/1999	RADIUM-228	1.21	0.49	PCI/G
SC-25814-S	05/07/1999	THORIUM-230	1.81	0.7	PCI/G
SC-25814-S	05/07/1999	URANIUM-238	1.275	2.55	PCI/G
SC-25814-S-01	09/27/1999	RADIUM-226	0.84	0.33	PCI/G
SC-25814-S-01	09/27/1999	RADIUM-228	0.44	0.88	PCI/G
SC-25814-S-01	09/27/1999	THORIUM-230	0.83	0.65	PCI/G
SC-25814-S-01	09/27/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25815-S	06/16/1999	RADIUM-226	0.28	0.56	PCI/G
SC-25815-S	06/16/1999	RADIUM-228	1.26	0.48	PCI/G
SC-25815-S	06/16/1999	THORIUM-230	1.53	0.64	PCI/G
SC-25815-S	06/16/1999	URANIUM-238	1.225	2.45	PCI/G
SC-25816-S	06/16/1999	RADIUM-226	0.56	0.28	PCI/G
SC-25816-S	06/16/1999	RADIUM-228	1.01	0.41	PCI/G
SC-25816-S	06/16/1999	THORIUM-230	1.3	0.62	PCI/G
SC-25816-S	06/16/1999	URANIUM-238	1.265	2.53	PCI/G
SC-25817-S	08/04/1999	RADIUM-226	0.31	0.62	PCI/G
SC-25817-S	08/04/1999	RADIUM-228	0.455	0.91	PCI/G
SC-25817-S	08/04/1999	THORIUM-230	0.82	0.64	PCI/G
SC-25817-S	08/04/1999	URANIUM-238	1.225	2.45	PCI/G
SC-25817-S-01	09/27/1999	RADIUM-226	0.84	0.31	PCI/G
SC-25817-S-01	09/27/1999	RADIUM-228	0.84	0.45	PCI/G
SC-25817-S-01	09/27/1999	THORIUM-230	1.12	0.64	PCI/G
SC-25817-S-01	09/27/1999	URANIUM-238	1.325	2.65	PCI/G
SC-25818-S	05/07/1999	RADIUM-226	0.86	0.28	PCI/G
SC-25818-S	05/07/1999	RADIUM-228	1.02	0.38	PCI/G
SC-25818-S	05/07/1999	THORIUM-230	1.76	0.73	PCI/G
SC-25818-S	05/07/1999	URANIUM-238	1.25	2.5	PCI/G
SC-25818-S-01	09/27/1999	RADIUM-226	0.87	0.26	PCI/G
SC-25818-S-01	09/27/1999	RADIUM-228	0.85	0.42	PCI/G
SC-25818-S-01	09/27/1999	THORIUM-230	1.16	0.62	PCI/G
SC-25818-S-01	09/27/1999	URANIUM-238	1.335	2.67	PCI/G
SC-25819-S	06/08/1999	RADIUM-226	0.51	0.28	PCI/G
SC-25819-S	06/08/1999	RADIUM-228	0.485	0.97	PCI/G
SC-25819-S	06/08/1999	THORIUM-230	0.86	0.65	PCI/G
SC-25819-S	06/08/1999	URANIUM-238	1.225	2.45	PCI/G
SC-25820-S	06/08/1999	RADIUM-226	0.8	0.27	PCI/G
SC-25820-S	06/08/1999	RADIUM-228	1.01	0.39	PCI/G
SC-25820-S	06/08/1999	THORIUM-230	5.56	0.64	PCI/G
SC-25820-S	06/08/1999	URANIUM-238	1.345	2.69	PCI/G
SC-25901-S-RS	08/04/1999	RADIUM-226	0.84	0.31	PCI/G
SC-25901-S-RS	08/04/1999	RADIUM-228	1.21	0.45	PCI/G
SC-25901-S-RS	08/04/1999	THORIUM-230	1.22	0.64	PCI/G
SC-25901-S-RS	08/04/1999	URANIUM-238	1.26	2.52	PCI/G
SC-25902-S-RS	08/04/1999	RADIUM-226	0.88	0.39	PCI/G
SC-25902-S-RS	08/04/1999	RADIUM-228	0.445	0.89	PCI/G
SC-25902-S-RS	08/04/1999	THORIUM-230	0.94	0.64	PCI/G
SC-25902-S-RS	08/04/1999	URANIUM-238	1.315	2.63	PCI/G
SC-25903-C	06/08/1999	RADIUM-226	0.26	0.52	PCI/G
SC-25903-C	06/08/1999	RADIUM-228	0.435	0.87	PCI/G
SC-25903-C	06/08/1999	THORIUM-230	0.93	0.62	PCI/G
SC-25903-C	06/08/1999	URANIUM-238	1.3	2.6	PCI/G
SC-25903-S	06/08/1999	RADIUM-226	0.79	0.26	PCI/G
SC-25903-S	06/08/1999	RADIUM-228	1	0.44	PCI/G
SC-25903-S	06/08/1999	THORIUM-230	1.9	0.65	PCI/G
SC-25903-S	06/08/1999	URANIUM-238	1.32	2.64	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25904-S	06/08/1999	RADIUM-226	0 82	0 35	PCI/G
SC-25904-S	06/08/1999	RADIUM-228	1.39	0.56	PCI/G
SC-25904-S	06/08/1999	THORIUM-230	7 76	0 65	PCI/G
SC-25904-S	06/08/1999	URANIUM-238	1.585	3 17	PCI/G
SC-25904-S-RS	06/15/1999	THORIUM-230	1 02	0.65	PCI/G
SC-25905-C	10/26/1999	RADIUM-226	0 78	0.28	PCI/G
SC-25905-C	10/26/1999	RADIUM-228	1 09	0.53	PCI/G
SC-25905-C	10/26/1999	THORIUM-230	1 8	0.64	PCI/G
SC-25905-C	10/26/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25905-S	10/26/1999	RADIUM-226	0.78	0.28	PCI/G
SC-25905-S	10/26/1999	RADIUM-228	0.99	0 44	PCI/G
SC-25905-S	10/26/1999	THORIUM-230	1.03	0 64	PCI/G
SC-25905-S	10/26/1999	URANIUM-238	1.315	2.63	PCI/G
SC-25906-S	10/26/1999	RADIUM-226	0.92	0.28	PCI/G
SC-25906-S	10/26/1999	RADIUM-228	0.455	0 91	PCI/G
SC-25906-S	10/26/1999	THORIUM-230	1 11	0.64	PCI/G
SC-25906-S	10/26/1999	URANIUM-238	1.325	2.65	PCI/G
SC-25907-S	10/26/1999	RADIUM-226	0.77	0.29	PCI/G
SC-25907-S	10/26/1999	RADIUM-228	1.07	0.39	PCI/G
SC-25907-S	10/26/1999	THORIUM-230	1.15	0.64	PCI/G
SC-25907-S	10/26/1999	URANIUM-238	1 295	2 59	PCI/G
SC-25908-S	10/26/1999	RADIUM-226	0.94	0.26	PCI/G
SC-25908-S	10/26/1999	RADIUM-228	1 01	0.57	PCI/G
SC-25908-S	10/26/1999	THORIUM-230	1 02	0.64	PCI/G
SC-25908-S	10/26/1999	URANIUM-238	1 29	2.58	PCI/G
SC-25909-S	10/26/1999	RADIUM-226	0 91	0.27	PCI/G
SC-25909-S	10/26/1999	RADIUM-228	0.9	0.45	PCI/G
SC-25909-S	10/26/1999	THORIUM-230	11 68	0.64	PCI/G
SC-25909-S	10/26/1999	URANIUM-238	1.56	2.25	PCI/G
SC-25909-S-RS	11/03/1999	THORIUM-230	1 77	0 65	PCI/G
SC-25910-S	10/26/1999	RADIUM-226	1 1	0 36	PCI/G
SC-25910-S	10/26/1999	RADIUM-228	0 46	0 92	PCI/G
SC-25910-S	10/26/1999	THORIUM-230	15 77	0 64	PCI/G
SC-25910-S	10/26/1999	URANIUM-238	1.575	3 15	PCI/G
SC-25910-S-RS	11/03/1999	THORIUM-230	0 74	0.64	PCI/G
SC-25911-S	10/26/1999	RADIUM-226	0 78	0 32	PCI/G
SC-25911-S	10/26/1999	RADIUM-228	1 4	0 39	PCI/G
SC-25911-S	10/26/1999	THORIUM-230	1 53	0 64	PCI/G
SC-25911-S	10/26/1999	URANIUM-238	1.305	2.61	PCI/G
SC-25912-C	10/26/1999	RADIUM-226	0 61	0 32	PCI/G
SC-25912-C	10/26/1999	RADIUM-228	0 91	0 43	PCI/G
SC-25912-C	10/26/1999	THORIUM-230	0 84	0.64	PCI/G
SC-25912-C	10/26/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25912-S	10/26/1999	RADIUM-226	1.23	0 38	PCI/G
SC-25912-S	10/26/1999	RADIUM-228	0 595	1 19	PCI/G
SC-25912-S	10/26/1999	THORIUM-230	22.57	0 64	PCI/G
SC-25912-S	10/26/1999	URANIUM-238	1 535	3 07	PCI/G
SC-25912-S-RS	11/03/1999	THORIUM-230	1.24	0.62	PCI/G
SC-25913-S	10/13/1999	PCB	0	41	UG/KG
SC-25913-S	10/13/1999	RADIUM-226	0 325	0 65	PCI/G
SC-25913-S	10/13/1999	RADIUM-228	0 47	0.94	PCI/G
SC-25913-S	10/13/1999	THORIUM-230	1 97	0.65	PCI/G
SC-25913-S	10/13/1999	URANIUM-238	1.29	2.58	PCI/G
SC-25914-S	10/26/1999	RADIUM-226	1.03	0.31	PCI/G
SC-25914-S	10/26/1999	RADIUM-228	1.23	0 35	PCI/G
SC-25914-S	10/26/1999	THORIUM-230	1.2	0 64	PCI/G
SC-25914-S	10/26/1999	URANIUM-238	1 355	2 71	PCI/G
SC-25915-S	10/26/1999	RADIUM-226	0.78	0.31	PCI/G
SC-25915-S	10/26/1999	RADIUM-228	1 08	0.43	PCI/G
SC-25915-S	10/26/1999	THORIUM-230	2 02	0.64	PCI/G
SC-25915-S	10/26/1999	URANIUM-238	1.31	2.62	PCI/G
SC-25917-S	10/13/1999	PCB	0	39	UG/KG
SC-25917-S	10/13/1999	RADIUM-226	1 09	0 3	PCI/G
SC-25917-S	10/13/1999	RADIUM-228	1.2	0.41	PCI/G
SC-25917-S	10/13/1999	THORIUM-230	1.27	0.64	PCI/G
SC-25917-S	10/13/1999	URANIUM-238	1.32	2 64	PCI/G
SC-25918-S	10/13/1999	PCB	0	39	UG/KG
SC-25918-S	10/13/1999	RADIUM-226	0 97	0.33	PCI/G
SC-25918-S	10/13/1999	RADIUM-228	1 17	0 48	PCI/G
SC-25918-S	10/13/1999	THORIUM-230	0 77	0.65	PCI/G
SC-25918-S	10/13/1999	URANIUM-238	1 34	2 68	PCI/G
SC-25919-C	10/26/1999	RADIUM-226	0 86	0 26	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-25919-C	10/26/1999	RADIUM-228	1.01	0.38	PCI/G
SC-25919-C	10/26/1999	THORIUM-230	0.97	0.64	PCI/G
SC-25919-C	10/26/1999	URANIUM-238	1.3	2.6	PCI/G
SC-25919-S	10/26/1999	RADIUM-226	0.75	0.31	PCI/G
SC-25919-S	10/26/1999	RADIUM-228	0.455	0.91	PCI/G
SC-25919-S	10/26/1999	THORIUM-230	1.7	0.64	PCI/G
SC-25919-S	10/26/1999	URANIUM-238	1.34	2.68	PCI/G
SC-25920-S	10/13/1999	PCB	0	37	UG/KG
SC-25920-S	10/13/1999	RADIUM-226	0.91	0.3	PCI/G
SC-25920-S	10/13/1999	RADIUM-228	0.99	0.41	PCI/G
SC-25920-S	10/13/1999	THORIUM-230	0.96	0.62	PCI/G
SC-25920-S	10/13/1999	URANIUM-238	1.365	2.73	PCI/G
SC-25921-S	10/26/1999	RADIUM-226	0.71	0.31	PCI/G
SC-25921-S	10/26/1999	RADIUM-228	0.445	0.89	PCI/G
SC-25921-S	10/26/1999	THORIUM-230	1	0.64	PCI/G
SC-25921-S	10/26/1999	URANIUM-238	1.235	2.47	PCI/G
SC-25923-C	10/26/1999	RADIUM-226	0.85	0.29	PCI/G
SC-25923-C	10/26/1999	RADIUM-228	0.99	0.43	PCI/G
SC-25923-C	10/26/1999	THORIUM-230	1.76	0.64	PCI/G
SC-25923-C	10/26/1999	URANIUM-238	1.285	2.57	PCI/G
SC-25923-S	10/26/1999	RADIUM-226	0.75	0.29	PCI/G
SC-25923-S	10/26/1999	RADIUM-228	0.46	0.92	PCI/G
SC-25923-S	10/26/1999	THORIUM-230	1.02	0.64	PCI/G
SC-25923-S	10/26/1999	URANIUM-238	1.265	2.53	PCI/G
SC-26001-S	10/14/1999	RADIUM-226	0.5	0.26	PCI/G
SC-26001-S	10/14/1999	RADIUM-228	0.99	0.45	PCI/G
SC-26001-S	10/14/1999	THORIUM-230	1.15	0.64	PCI/G
SC-26001-S	10/14/1999	URANIUM-238	1.22	2.44	PCI/G
SC-26002-S	10/14/1999	RADIUM-226	0.6	0.31	PCI/G
SC-26002-S	10/14/1999	RADIUM-228	0.49	0.98	PCI/G
SC-26002-S	10/14/1999	THORIUM-230	1.75	0.64	PCI/G
SC-26002-S	10/14/1999	URANIUM-238	1.285	2.57	PCI/G
SC-26003-S	10/22/1999	RADIUM-226	0.75	0.31	PCI/G
SC-26003-S	10/22/1999	RADIUM-228	1.36	0.53	PCI/G
SC-26003-S	10/22/1999	THORIUM-230	3.16	0.64	PCI/G
SC-26003-S	10/22/1999	URANIUM-238	1.38	2.76	PCI/G
SC-26004-S	10/26/1999	RADIUM-226	0.57	0.27	PCI/G
SC-26004-S	10/26/1999	RADIUM-228	1.29	0.38	PCI/G
SC-26004-S	10/26/1999	THORIUM-230	0.85	0.64	PCI/G
SC-26004-S	10/26/1999	URANIUM-238	1.235	2.47	PCI/G
SC-26005-S	10/14/1999	RADIUM-226	0.5	0.28	PCI/G
SC-26005-S	10/14/1999	RADIUM-228	1.23	0.36	PCI/G
SC-26005-S	10/14/1999	THORIUM-230	1.79	0.64	PCI/G
SC-26005-S	10/14/1999	URANIUM-238	5.89	2.4	PCI/G
SC-26006-S	10/22/1999	RADIUM-226	0.51	0.28	PCI/G
SC-26006-S	10/22/1999	RADIUM-228	1.02	0.37	PCI/G
SC-26006-S	10/22/1999	THORIUM-230	0.78	0.64	PCI/G
SC-26006-S	10/22/1999	URANIUM-238	1.215	2.43	PCI/G
SC-26007-S	10/22/1999	RADIUM-226	0.26	0.52	PCI/G
SC-26007-S	10/22/1999	RADIUM-228	1.03	0.43	PCI/G
SC-26007-S	10/22/1999	THORIUM-230	0.72	0.64	PCI/G
SC-26007-S	10/22/1999	URANIUM-238	1.215	2.43	PCI/G
SC-26008-S	10/26/1999	RADIUM-226	0.67	0.3	PCI/G
SC-26008-S	10/26/1999	RADIUM-228	1.19	0.47	PCI/G
SC-26008-S	10/26/1999	THORIUM-230	1.21	0.64	PCI/G
SC-26008-S	10/26/1999	URANIUM-238	1.135	2.27	PCI/G
SC-26009-S	10/22/1999	RADIUM-226	0.58	0.28	PCI/G
SC-26009-S	10/22/1999	RADIUM-228	0.97	0.54	PCI/G
SC-26009-S	10/22/1999	THORIUM-230	0.97	0.64	PCI/G
SC-26009-S	10/22/1999	URANIUM-238	1.235	2.47	PCI/G
SC-26010-S	10/22/1999	RADIUM-226	0.27	0.54	PCI/G
SC-26010-S	10/22/1999	RADIUM-228	0.415	0.83	PCI/G
SC-26010-S	10/22/1999	THORIUM-230	0.85	0.64	PCI/G
SC-26010-S	10/22/1999	URANIUM-238	1.19	2.38	PCI/G
SC-26011-S	10/26/1999	RADIUM-226	0.75	0.28	PCI/G
SC-26011-S	10/26/1999	RADIUM-228	1.07	0.45	PCI/G
SC-26011-S	10/26/1999	THORIUM-230	3.49	0.64	PCI/G
SC-26011-S	10/26/1999	URANIUM-238	1.37	2.74	PCI/G
SC-26012-S	10/26/1999	RADIUM-226	0.73	0.35	PCI/G
SC-26012-S	10/26/1999	RADIUM-228	1.3	0.45	PCI/G
SC-26012-S	10/26/1999	THORIUM-230	2.24	0.64	PCI/G
SC-26012-S	10/26/1999	URANIUM-238	1.25	2.5	PCI/G

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SC-26013-S	10/22/1999	RADIUM-226	0.57	0 31	PCI/G
SC-26013-S	10/22/1999	RADIUM-228	0.96	0 34	PCI/G
SC-26013-S	10/22/1999	THORIUM-230	1.35	0 64	PCI/G
SC-26013-S	10/22/1999	URANIUM-238	1 15	2.3	PCI/G
SC-26014-S	10/22/1999	RADIUM-226	0.86	0.3	PCI/G
SC-26014-S	10/22/1999	RADIUM-228	0.445	0 89	PCI/G
SC-26014-S	10/22/1999	THORIUM-230	0.87	0.64	PCI/G
SC-26014-S	10/22/1999	URANIUM-238	1.235	2 47	PCI/G
SC-26015-S	10/26/1999	RADIUM-226	1.32	0.37	PCI/G
SC-26015-S	10/26/1999	RADIUM-228	1.96	0.57	PCI/G
SC-26015-S	10/26/1999	THORIUM-230	8.04	0 64	PCI/G
SC-26015-S	10/26/1999	URANIUM-238	1.66	3.32	PCI/G
SC-26015-S-RS	11/03/1999	THORIUM-230	1.17	0.64	PCI/G
SC-26016-S	10/13/1999	PCB	540	40	UG/KG
SC-26016-S	10/13/1999	RADIUM-226	0.87	0.27	PCI/G
SC-26016-S	10/13/1999	RADIUM-228	1.13	0 45	PCI/G
SC-26016-S	10/13/1999	THORIUM-230	2.26	0 64	PCI/G
SC-26016-S	10/13/1999	URANIUM-238	1.275	2.55	PCI/G
SC-26017-S	10/22/1999	RADIUM-226	0.94	0.28	PCI/G
SC-26017-S	10/22/1999	RADIUM-228	1.05	0.45	PCI/G
SC-26017-S	10/22/1999	THORIUM-230	0.89	0.64	PCI/G
SC-26017-S	10/22/1999	URANIUM-238	1.34	2.68	PCI/G
SC-26018-S	10/22/1999	RADIUM-226	0.59	0 34	PCI/G
SC-26018-S	10/22/1999	RADIUM-228	1 46	0 41	PCI/G
SC-26018-S	10/22/1999	THORIUM-230	3.75	0.64	PCI/G
SC-26018-S	10/22/1999	URANIUM-238	1 59	3 18	PCI/G
SC-26019-S	10/26/1999	RADIUM-226	1 09	0 34	PCI/G
SC-26019-S	10/26/1999	RADIUM-228	0 46	0 92	PCI/G
SC-26019-S	10/26/1999	THORIUM-230	1 1	0 64	PCI/G
SC-26019-S	10/26/1999	URANIUM-238	1.325	2 65	PCI/G
SC-26020-S	10/13/1999	PCB	0	40	UG/KG
SC-26020-S	10/13/1999	RADIUM-226	0 315	0 63	PCI/G
SC-26020-S	10/13/1999	RADIUM-228	1 44	0 44	PCI/G
SC-26020-S	10/13/1999	THORIUM-230	0.98	0 65	PCI/G
SC-26020-S	10/13/1999	URANIUM-238	1.24	2 48	PCI/G
SC-26101-S	10/15/1999	RADIUM-226	0.62	0 26	PCI/G
SC-26101-S	10/15/1999	RADIUM-228	0.88	0 32	PCI/G
SC-26101-S	10/15/1999	THORIUM-230	1.2	0 64	PCI/G
SC-26101-S	10/15/1999	URANIUM-238	4 17	2 37	PCI/G
SC-26102-S	10/14/1999	RADIUM-226	0.265	0 53	PCI/G
SC-26102-S	10/14/1999	RADIUM-228	1 04	0 55	PCI/G
SC-26102-S	10/14/1999	THORIUM-230	1 23	0.64	PCI/G
SC-26102-S	10/14/1999	URANIUM-238	1 37	2 74	PCI/G
SC-26103-S	10/14/1999	RADIUM-226	0.48	0.3	PCI/G
SC-26103-S	10/14/1999	RADIUM-228	0.95	0.39	PCI/G
SC-26103-S	10/14/1999	THORIUM-230	1.02	0.64	PCI/G
SC-26103-S	10/14/1999	URANIUM-238	1.265	2 53	PCI/G
SC-26104-S	10/14/1999	RADIUM-226	0 39	0 27	PCI/G
SC-26104-S	10/14/1999	RADIUM-228	0 43	0 86	PCI/G
SC-26104-S	10/14/1999	THORIUM-230	1 32	0 64	PCI/G
SC-26104-S	10/14/1999	URANIUM-238	1 395	2 79	PCI/G
SC-26105-S	10/14/1999	RADIUM-226	0 51	0.28	PCI/G
SC-26105-S	10/14/1999	RADIUM-228	0 87	0 33	PCI/G
SC-26105-S	10/14/1999	THORIUM-230	0 88	0.64	PCI/G
SC-26105-S	10/14/1999	URANIUM-238	5 53	2 17	PCI/G
SC-26106-S	10/14/1999	RADIUM-226	0 43	0.34	PCI/G
SC-26106-S	10/14/1999	RADIUM-228	1 07	0 48	PCI/G
SC-26106-S	10/14/1999	THORIUM-230	0.89	0 64	PCI/G
SC-26106-S	10/14/1999	URANIUM-238	1 155	2 31	PCI/G
SC-26107-S	10/14/1999	RADIUM-226	0.43	0 27	PCI/G
SC-26107-S	10/14/1999	RADIUM-228	0 9	0 4	PCI/G
SC-26107-S	10/14/1999	THORIUM-230	0 88	0.64	PCI/G
SC-26107-S	10/14/1999	URANIUM-238	1 15	2 3	PCI/G
SC-26108-S	10/14/1999	RADIUM-226	0.26	0.52	PCI/G
SC-26108-S	10/14/1999	RADIUM-228	0.39	0 78	PCI/G
SC-26108-S	10/14/1999	THORIUM-230	1 01	0.64	PCI/G
SC-26108-S	10/14/1999	URANIUM-238	6 72	2.97	PCI/G
SC-26109-S	10/14/1999	RADIUM-226	0 42	0.29	PCI/G
SC-26109-S	10/14/1999	RADIUM-228	0.94	0 42	PCI/G
SC-26109-S	10/14/1999	THORIUM-230	0 81	0 64	PCI/G
SC-26109-S	10/14/1999	URANIUM-238	5 33	2 48	PCI/G
SC-26110-S	10/14/1999	RADIUM-226	0.235	0 47	PCI/G

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SC-26110-S	10/14/1999	RADIUM-228	0.455	0.91	PCI/G
SC-26110-S	10/14/1999	THORIUM-230	1.08	0.64	PCI/G
SC-26110-S	10/14/1999	URANIUM-238	1.415	2.83	PCI/G
SC-26111-S	10/14/1999	RADIUM-226	0.55	0.3	PCI/G
SC-26111-S	10/14/1999	RADIUM-228	0.95	0.37	PCI/G
SC-26111-S	10/14/1999	THORIUM-230	0.82	0.64	PCI/G
SC-26111-S	10/14/1999	URANIUM-238	6.07	2.27	PCI/G
SC-26112-S	10/22/1999	RADIUM-226	0.82	0.26	PCI/G
SC-26112-S	10/22/1999	RADIUM-228	1.19	0.41	PCI/G
SC-26112-S	10/22/1999	THORIUM-230	1.96	0.64	PCI/G
SC-26112-S	10/22/1999	URANIUM-238	1.53	3.06	PCI/G
SC-26113-S	10/14/1999	RADIUM-226	0.59	0.33	PCI/G
SC-26113-S	10/14/1999	RADIUM-228	1.16	0.52	PCI/G
SC-26113-S	10/14/1999	THORIUM-230	0.84	0.64	PCI/G
SC-26113-S	10/14/1999	URANIUM-238	1.125	2.25	PCI/G
SC-26114-S	10/14/1999	RADIUM-226	0.47	0.31	PCI/G
SC-26114-S	10/14/1999	RADIUM-228	0.88	0.37	PCI/G
SC-26114-S	10/14/1999	THORIUM-230	1.35	0.64	PCI/G
SC-26114-S	10/14/1999	URANIUM-238	4.34	2.53	PCI/G
SC-26115-S	10/14/1999	RADIUM-226	0.58	0.28	PCI/G
SC-26115-S	10/14/1999	RADIUM-228	0.485	0.97	PCI/G
SC-26115-S	10/14/1999	THORIUM-230	0.73	0.64	PCI/G
SC-26115-S	10/14/1999	URANIUM-238	2.92	2.92	PCI/G
SC-26116-S	10/22/1999	RADIUM-226	0.255	0.51	PCI/G
SC-26116-S	10/22/1999	RADIUM-228	0.455	0.91	PCI/G
SC-26116-S	10/22/1999	THORIUM-230	0.85	0.64	PCI/G
SC-26116-S	10/22/1999	URANIUM-238	1.25	2.5	PCI/G
SC-26117-S	10/14/1999	RADIUM-226	0.61	0.29	PCI/G
SC-26117-S	10/14/1999	RADIUM-228	1.03	0.43	PCI/G
SC-26117-S	10/14/1999	THORIUM-230	0.79	0.64	PCI/G
SC-26117-S	10/14/1999	URANIUM-238	5.66	2.43	PCI/G
SC-26118-S	10/14/1999	RADIUM-226	0.295	0.59	PCI/G
SC-26118-S	10/14/1999	RADIUM-228	0.96	0.77	PCI/G
SC-26118-S	10/14/1999	THORIUM-230	1.02	0.64	PCI/G
SC-26118-S	10/14/1999	URANIUM-238	5.1	3.81	PCI/G
SC-26119-S	10/14/1999	RADIUM-226	0.87	0.34	PCI/G
SC-26119-S	10/14/1999	RADIUM-228	1.02	0.47	PCI/G
SC-26119-S	10/14/1999	THORIUM-230	1.4	0.64	PCI/G
SC-26119-S	10/14/1999	URANIUM-238	5.11	2.48	PCI/G
SC-26120-S	10/22/1999	RADIUM-226	0.49	0.31	PCI/G
SC-26120-S	10/22/1999	RADIUM-228	0.465	0.93	PCI/G
SC-26120-S	10/22/1999	THORIUM-230	1.23	0.64	PCI/G
SC-26120-S	10/22/1999	URANIUM-238	1.19	2.38	PCI/G
SC-26201-S	10/14/1999	RADIUM-226	0.63	0.36	PCI/G
SC-26201-S	10/14/1999	RADIUM-228	0.465	0.93	PCI/G
SC-26201-S	10/14/1999	THORIUM-230	0.93	0.64	PCI/G
SC-26201-S	10/14/1999	URANIUM-238	1.455	2.91	PCI/G
SC-26202-S	10/14/1999	RADIUM-226	0.61	0.31	PCI/G
SC-26202-S	10/14/1999	RADIUM-228	0.99	0.43	PCI/G
SC-26202-S	10/14/1999	THORIUM-230	1.44	0.64	PCI/G
SC-26202-S	10/14/1999	URANIUM-238	14.5	3.08	PCI/G
SC-26203-S	10/14/1999	RADIUM-226	0.79	0.28	PCI/G
SC-26203-S	10/14/1999	RADIUM-228	0.47	0.94	PCI/G
SC-26203-S	10/14/1999	THORIUM-230	1.55	0.64	PCI/G
SC-26203-S	10/14/1999	URANIUM-238	7.41	2.81	PCI/G
SC-26204-S	10/22/1999	RADIUM-226	0.72	0.26	PCI/G
SC-26204-S	10/22/1999	RADIUM-228	1.07	0.37	PCI/G
SC-26204-S	10/22/1999	THORIUM-230	0.65	0.64	PCI/G
SC-26204-S	10/22/1999	URANIUM-238	1.335	2.67	PCI/G
SC-26205-S	10/14/1999	RADIUM-226	0.64	0.29	PCI/G
SC-26205-S	10/14/1999	RADIUM-228	1.1	0.44	PCI/G
SC-26205-S	10/14/1999	THORIUM-230	1.18	0.64	PCI/G
SC-26205-S	10/14/1999	URANIUM-238	1.32	2.64	PCI/G
SC-26206-S	10/14/1999	RADIUM-226	0.275	0.55	PCI/G
SC-26206-S	10/14/1999	RADIUM-228	0.525	1.05	PCI/G
SC-26206-S	10/14/1999	THORIUM-230	0.99	0.64	PCI/G
SC-26206-S	10/14/1999	URANIUM-238	1.3	2.6	PCI/G
SC-26207-S	10/14/1999	RADIUM-226	0.63	0.28	PCI/G
SC-26207-S	10/14/1999	RADIUM-228	1.04	0.44	PCI/G
SC-26207-S	10/14/1999	THORIUM-230	1.01	0.64	PCI/G
SC-26207-S	10/14/1999	URANIUM-238	1.49	2.98	PCI/G
SC-26208-S	10/14/1999	RADIUM-226	0.27	0.54	PCI/G

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26208-S	10/14/1999	RADIUM-228	0 45	0.9	PCI/G
SC-26208-S	10/14/1999	THORIUM-230	0 87	0.64	PCI/G
SC-26208-S	10/14/1999	URANIUM-238	1.355	2.71	PCI/G
SC-26209-S	10/14/1999	RADIUM-226	0 57	0.29	PCI/G
SC-26209-S	10/14/1999	RADIUM-228	1.05	0.35	PCI/G
SC-26209-S	10/14/1999	THORIUM-230	1 41	0.64	PCI/G
SC-26209-S	10/14/1999	URANIUM-238	1.175	2.35	PCI/G
SC-26210-S	10/14/1999	RADIUM-226	0 58	0.28	PCI/G
SC-26210-S	10/14/1999	RADIUM-228	0.455	0.91	PCI/G
SC-26210-S	10/14/1999	THORIUM-230	1	0.64	PCI/G
SC-26210-S	10/14/1999	URANIUM-238	1.085	2.17	PCI/G
SC-26211-S	09/15/1999	RADIUM-226	0 275	0.55	PCI/G
SC-26211-S	09/15/1999	RADIUM-228	1 13	0.52	PCI/G
SC-26211-S	09/15/1999	THORIUM-230	1 16	0.64	PCI/G
SC-26211-S	09/15/1999	URANIUM-238	1 19	2.38	PCI/G
SC-26212-S	09/15/1999	RADIUM-226	0.84	0 3	PCI/G
SC-26212-S	09/15/1999	RADIUM-228	1 03	0.46	PCI/G
SC-26212-S	09/15/1999	THORIUM-230	3 45	0.62	PCI/G
SC-26212-S	09/15/1999	URANIUM-238	1 245	2.49	PCI/G
SC-26213-S	09/15/1999	RADIUM-226	0.255	0.51	PCI/G
SC-26213-S	09/15/1999	RADIUM-228	0 475	0.95	PCI/G
SC-26213-S	09/15/1999	THORIUM-230	1 35	0 64	PCI/G
SC-26213-S	09/15/1999	URANIUM-238	1 61	3.22	PCI/G
SC-26214-S	10/14/1999	RADIUM-226	0.4	0 3	PCI/G
SC-26214-S	10/14/1999	RADIUM-228	1 02	0 42	PCI/G
SC-26214-S	10/14/1999	THORIUM-230	0.95	0.64	PCI/G
SC-26214-S	10/14/1999	URANIUM-238	1.375	2.75	PCI/G
SC-26215-C	10/20/1999	RADIUM-226	0.5	0.28	PCI/G
SC-26215-C	10/20/1999	RADIUM-228	0 93	0.44	PCI/G
SC-26215-C	10/20/1999	THORIUM-230	0 89	0.64	PCI/G
SC-26215-C	10/20/1999	URANIUM-238	4 22	2.53	PCI/G
SC-26215-S	10/14/1999	RADIUM-226	0.285	0.57	PCI/G
SC-26215-S	10/14/1999	RADIUM-228	0 415	0.83	PCI/G
SC-26215-S	10/14/1999	THORIUM-230	1 02	0 64	PCI/G
SC-26215-S	10/14/1999	URANIUM-238	1 895	3 79	PCI/G
SC-26216-S	09/15/1999	RADIUM-226	0.73	0 26	PCI/G
SC-26216-S	09/15/1999	RADIUM-228	1 03	0 4	PCI/G
SC-26216-S	09/15/1999	THORIUM-230	0 94	0.62	PCI/G
SC-26216-S	09/15/1999	URANIUM-238	1.325	2 65	PCI/G
SC-26217-S	09/15/1999	RADIUM-226	0 84	0 32	PCI/G
SC-26217-S	09/15/1999	RADIUM-228	1 1	0 48	PCI/G
SC-26217-S	09/15/1999	THORIUM-230	1 68	0 64	PCI/G
SC-26217-S	09/15/1999	URANIUM-238	1.415	2.83	PCI/G
SC-26217-S-HS01	10/02/1999	RADIUM-226	4 33	0 64	PCI/G
SC-26217-S-HS01	10/02/1999	RADIUM-228	8.38	0.94	PCI/G
SC-26217-S-HS01	10/02/1999	THORIUM-230	33.1	0 64	PCI/G
SC-26217-S-HS01	10/02/1999	URANIUM-238	2.98	5 96	PCI/G
SC-26217-S-RS01	10/13/1999	RADIUM-226	0.51	0 33	PCI/G
SC-26217-S-RS01	10/13/1999	RADIUM-228	1.09	0.44	PCI/G
SC-26217-S-RS01	10/13/1999	THORIUM-230	0 75	0 64	PCI/G
SC-26217-S-RS01	10/13/1999	URANIUM-238	1 29	2 58	PCI/G
SC-26218-S	09/15/1999	RADIUM-226	0 96	0 32	PCI/G
SC-26218-S	09/15/1999	RADIUM-228	1.1	0.44	PCI/G
SC-26218-S	09/15/1999	THORIUM-230	3 21	0 62	PCI/G
SC-26218-S	09/15/1999	URANIUM-238	1 34	2.68	PCI/G
SC-26218-S-HS01	10/02/1999	RADIUM-226	0.54	0.28	PCI/G
SC-26218-S-HS01	10/02/1999	RADIUM-228	1 33	0 4	PCI/G
SC-26218-S-HS01	10/02/1999	THORIUM-230	0.91	0.64	PCI/G
SC-26218-S-HS01	10/02/1999	URANIUM-238	1.275	2.55	PCI/G
SC-26218-S-HS02	10/02/1999	RADIUM-226	0.285	0.57	PCI/G
SC-26218-S-HS02	10/02/1999	RADIUM-228	0 52	1.04	PCI/G
SC-26218-S-HS02	10/02/1999	THORIUM-230	1 18	0 62	PCI/G
SC-26218-S-HS02	10/02/1999	URANIUM-238	1 3	2.6	PCI/G
SC-26218-S-RS02	10/13/1999	RADIUM-226	0 285	0 57	PCI/G
SC-26218-S-RS02	10/13/1999	RADIUM-228	0.99	0 42	PCI/G
SC-26218-S-RS02	10/13/1999	THORIUM-230	0.73	0.65	PCI/G
SC-26218-S-RS02	10/13/1999	URANIUM-238	1 2	2.4	PCI/G
SC-26219-S	09/15/1999	RADIUM-226	0 73	0 36	PCI/G
SC-26219-S	09/15/1999	RADIUM-228	1 11	0 47	PCI/G
SC-26219-S	09/15/1999	THORIUM-230	1 36	0 64	PCI/G
SC-26219-S	09/15/1999	URANIUM-238	1 165	2 33	PCI/G
SC-26219-S-HS01	10/02/1999	RADIUM-226	5 47	0 67	PCI/G

APPENDIX B WP-437 RU21 FINAL DATA

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26219-S-HS01	10/02/1999	RADIUM-228	10.1	0.86	PCI/G
SC-26219-S-HS01	10/02/1999	THORIUM-230	78	0.62	PCI/G
SC-26219-S-HS01	10/02/1999	URANIUM-238	15.6	6.5	PCI/G
SC-26219-S-RS01	10/13/1999	RADIUM-226	0.39	0.24	PCI/G
SC-26219-S-RS01	10/13/1999	RADIUM-228	1.15	0.38	PCI/G
SC-26219-S-RS01	10/13/1999	THORIUM-230	1.28	0.62	PCI/G
SC-26219-S-RS01	10/13/1999	URANIUM-238	1.225	2.45	PCI/G
SC-26220-S	10/14/1999	RADIUM-226	0.54	0.28	PCI/G
SC-26220-S	10/14/1999	RADIUM-228	0.85	0.4	PCI/G
SC-26220-S	10/14/1999	THORIUM-230	1.07	0.64	PCI/G
SC-26220-S	10/14/1999	URANIUM-238	5.24	2.36	PCI/G
SC-26301-C	07/08/1998	RADIUM-226	1.24	0.31	PCI/G
SC-26301-C	07/08/1998	RADIUM-228	1.17	0.37	PCI/G
SC-26301-C	07/08/1998	THORIUM-230	0.92	0.62	PCI/G
SC-26301-C	07/08/1998	URANIUM-238	1.3	2.6	PCI/G
SC-26301-C-01	10/06/1999	PAH	0	18	UG/KG
SC-26301-C-01	10/06/1999	RADIUM-226	0.89	0.32	PCI/G
SC-26301-C-01	10/06/1999	RADIUM-228	1.26	0.44	PCI/G
SC-26301-C-01	10/06/1999	THORIUM-230	1.03	0.62	PCI/G
SC-26301-C-01	10/06/1999	URANIUM-238	1.18	2.36	PCI/G
SC-26302-S	07/08/1998	RADIUM-226	1.08	0.33	PCI/G
SC-26302-S	07/08/1998	RADIUM-228	1.26	0.3	PCI/G
SC-26302-S	07/08/1998	THORIUM-230	0.91	0.62	PCI/G
SC-26302-S	07/08/1998	URANIUM-238	1.895	3.79	PCI/G
SC-26302-S-01	10/06/1999	PAH	0	19	UG/KG
SC-26302-S-01	10/06/1999	RADIUM-226	0.91	0.26	PCI/G
SC-26302-S-01	10/06/1999	RADIUM-228	0.96	0.47	PCI/G
SC-26302-S-01	10/06/1999	THORIUM-230	1.13	0.64	PCI/G
SC-26302-S-01	10/06/1999	URANIUM-238	1.305	2.61	PCI/G
SC-26303-S	07/08/1998	RADIUM-226	1.27	0.25	PCI/G
SC-26303-S	07/08/1998	RADIUM-228	1.35	0.35	PCI/G
SC-26303-S	07/08/1998	THORIUM-230	0.87	0.62	PCI/G
SC-26303-S	07/08/1998	URANIUM-238	1.395	2.79	PCI/G
SC-26303-S-01	10/06/1999	PAH	0	18	UG/KG
SC-26303-S-01	10/06/1999	RADIUM-226	0.78	0.28	PCI/G
SC-26303-S-01	10/06/1999	RADIUM-228	0.44	0.88	PCI/G
SC-26303-S-01	10/06/1999	THORIUM-230	0.99	0.64	PCI/G
SC-26303-S-01	10/06/1999	URANIUM-238	1.25	2.5	PCI/G
SC-26303-S-02	10/02/1998	RADIUM-226	1.11	0.39	PCI/G
SC-26303-S-02	10/02/1998	RADIUM-228	1.08	0.57	PCI/G
SC-26303-S-02	10/02/1998	THORIUM-230	0.9	0.62	PCI/G
SC-26303-S-02	10/02/1998	URANIUM-238	1.975	3.95	PCI/G
SC-26304-S	09/15/1999	RADIUM-226	0.88	0.27	PCI/G
SC-26304-S	09/15/1999	RADIUM-228	1.03	0.38	PCI/G
SC-26304-S	09/15/1999	THORIUM-230	1.14	0.62	PCI/G
SC-26304-S	09/15/1999	URANIUM-238	1.265	2.53	PCI/G
SC-26306-S	07/08/1998	RADIUM-226	0.89	0.42	PCI/G
SC-26306-S	07/08/1998	RADIUM-228	1.21	0.65	PCI/G
SC-26306-S	07/08/1998	THORIUM-230	0.95	0.62	PCI/G
SC-26306-S	07/08/1998	URANIUM-238	1.805	3.61	PCI/G
SC-26306-S-01	10/06/1999	PAH	760	18	UG/KG
SC-26306-S-01	10/06/1999	RADIUM-226	0.7	0.31	PCI/G
SC-26306-S-01	10/06/1999	RADIUM-228	1.36	0.4	PCI/G
SC-26306-S-01	10/06/1999	THORIUM-230	1.12	0.64	PCI/G
SC-26306-S-01	10/06/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26307-S	07/08/1998	RADIUM-226	1.4	0.31	PCI/G
SC-26307-S	07/08/1998	RADIUM-228	1.41	0.32	PCI/G
SC-26307-S	07/08/1998	THORIUM-230	1.07	0.62	PCI/G
SC-26307-S	07/08/1998	URANIUM-238	1.355	2.71	PCI/G
SC-26307-S-01	10/06/1999	PAH	0	18	UG/KG
SC-26307-S-01	10/06/1999	RADIUM-226	0.89	0.36	PCI/G
SC-26307-S-01	10/06/1999	RADIUM-228	1.09	0.52	PCI/G
SC-26307-S-01	10/06/1999	THORIUM-230	1	0.62	PCI/G
SC-26307-S-01	10/06/1999	URANIUM-238	1.24	2.48	PCI/G
SC-26307-S-02	10/02/1998	RADIUM-226	0.97	0.26	PCI/G
SC-26307-S-02	10/02/1998	RADIUM-228	1.3	0.39	PCI/G
SC-26307-S-02	10/02/1998	THORIUM-230	1.1	0.62	PCI/G
SC-26307-S-02	10/02/1998	URANIUM-238	1.37	2.74	PCI/G
SC-26308-S	09/15/1999	RADIUM-226	0.9	0.29	PCI/G
SC-26308-S	09/15/1999	RADIUM-228	0.445	0.89	PCI/G
SC-26308-S	09/15/1999	THORIUM-230	0.96	0.64	PCI/G
SC-26308-S	09/15/1999	URANIUM-238	1.2	2.4	PCI/G

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SC-26309-C-01	10/06/1999	PAH	450	18	UG/KG
SC-26309-C-01	10/06/1999	RADIUM-226	0.77	0 3	PCI/G
SC-26309-C-01	10/06/1999	RADIUM-228	1.22	0 39	PCI/G
SC-26309-C-01	10/06/1999	THORIUM-230	1.38	0.64	PCI/G
SC-26309-C-01	10/06/1999	URANIUM-238	1.33	2.66	PCI/G
SC-26310-S	07/08/1998	RADIUM-226	0.9	0.29	PCI/G
SC-26310-S	07/08/1998	RADIUM-228	1.81	0 5	PCI/G
SC-26310-S	07/08/1998	THORIUM-230	0.69	0.62	PCI/G
SC-26310-S	07/08/1998	URANIUM-238	1.91	3.82	PCI/G
SC-26310-S-01	10/06/1999	PAH	1600	91	UG/KG
SC-26310-S-01	10/06/1999	RADIUM-226	0.73	0.3	PCI/G
SC-26310-S-01	10/06/1999	RADIUM-228	0.455	0.91	PCI/G
SC-26310-S-01	10/06/1999	THORIUM-230	1.12	0.64	PCI/G
SC-26310-S-01	10/06/1999	URANIUM-238	1.225	2.45	PCI/G
SC-26311-S	07/08/1998	RADIUM-226	1.13	0.26	PCI/G
SC-26311-S	07/08/1998	RADIUM-228	1.47	0.34	PCI/G
SC-26311-S	07/08/1998	THORIUM-230	0.95	0.62	PCI/G
SC-26311-S	07/08/1998	URANIUM-238	2.12	1.64	PCI/G
SC-26311-S-01	10/06/1999	PAH	0	18	UG/KG
SC-26311-S-01	10/06/1999	RADIUM-226	0.76	0.29	PCI/G
SC-26311-S-01	10/06/1999	RADIUM-228	1.12	0 43	PCI/G
SC-26311-S-01	10/06/1999	THORIUM-230	0.98	0.64	PCI/G
SC-26311-S-01	10/06/1999	URANIUM-238	1.21	2.42	PCI/G
SC-26311-S-02	10/02/1998	RADIUM-226	1 09	0.29	PCI/G
SC-26311-S-02	10/02/1998	RADIUM-228	1 23	0.42	PCI/G
SC-26311-S-02	10/02/1998	THORIUM-230	1 07	0.62	PCI/G
SC-26311-S-02	10/02/1998	URANIUM-238	1.915	3.83	PCI/G
SC-26312-S	09/15/1999	RADIUM-226	0 71	0 33	PCI/G
SC-26312-S	09/15/1999	RADIUM-228	0 415	0.83	PCI/G
SC-26312-S	09/15/1999	THORIUM-230	1.15	0 64	PCI/G
SC-26312-S	09/15/1999	URANIUM-238	1.33	2 66	PCI/G
SC-26312-S-HS01	10/02/1999	RADIUM-226	2.09	0 48	PCI/G
SC-26312-S-HS01	10/02/1999	RADIUM-228	3 1	0 82	PCI/G
SC-26312-S-HS01	10/02/1999	THORIUM-230	26.6	0.64	PCI/G
SC-26312-S-HS01	10/02/1999	URANIUM-238	2.245	4 49	PCI/G
SC-26312-S-RS01	10/13/1999	RADIUM-226	0 78	0 37	PCI/G
SC-26312-S-RS01	10/13/1999	RADIUM-228	0 46	0.92	PCI/G
SC-26312-S-RS01	10/13/1999	THORIUM-230	1 05	0.65	PCI/G
SC-26312-S-RS01	10/13/1999	URANIUM-238	1.275	2 55	PCI/G
SC-26314-S	07/08/1998	RADIUM-226	0 83	0 41	PCI/G
SC-26314-S	07/08/1998	RADIUM-228	0 57	1 14	PCI/G
SC-26314-S	07/08/1998	THORIUM-230	0.94	0 62	PCI/G
SC-26314-S	07/08/1998	URANIUM-238	1.655	3 31	PCI/G
SC-26314-S-01	10/06/1999	PAH	420	18	UG/KG
SC-26314-S-01	10/06/1999	RADIUM-226	0 75	0 34	PCI/G
SC-26314-S-01	10/06/1999	RADIUM-228	0.445	0 89	PCI/G
SC-26314-S-01	10/06/1999	THORIUM-230	0.99	0 62	PCI/G
SC-26314-S-01	10/06/1999	URANIUM-238	1.19	2 38	PCI/G
SC-26315-S	07/08/1998	RADIUM-226	1 58	0 39	PCI/G
SC-26315-S	07/08/1998	RADIUM-228	1.32	0 57	PCI/G
SC-26315-S	07/08/1998	THORIUM-230	1 2	0 62	PCI/G
SC-26315-S	07/08/1998	URANIUM-238	1 76	3 52	PCI/G
SC-26315-S-01	10/06/1999	PAH	240	18	UG/KG
SC-26315-S-01	10/06/1999	RADIUM-226	0 89	0.31	PCI/G
SC-26315-S-01	10/06/1999	RADIUM-228	1	0 45	PCI/G
SC-26315-S-01	10/06/1999	THORIUM-230	1 13	0.64	PCI/G
SC-26315-S-01	10/06/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26315-S-02	10/02/1998	RADIUM-226	1.25	0.32	PCI/G
SC-26315-S-02	10/02/1998	RADIUM-228	1.27	0.32	PCI/G
SC-26315-S-02	10/02/1998	THORIUM-230	1.27	0.62	PCI/G
SC-26315-S-02	10/02/1998	URANIUM-238	1.39	2.78	PCI/G
SC-26316-S	09/15/1999	RADIUM-226	0.84	0.33	PCI/G
SC-26316-S	09/15/1999	RADIUM-228	1.21	0.45	PCI/G
SC-26316-S	09/15/1999	THORIUM-230	2.55	0.62	PCI/G
SC-26316-S	09/15/1999	URANIUM-238	1.305	2.61	PCI/G
SC-26318-S	09/30/1999	PAH	34	18	UG/KG
SC-26318-S	09/30/1999	RADIUM-226	0.77	0.28	PCI/G
SC-26318-S	09/30/1999	RADIUM-228	0.475	0 95	PCI/G
SC-26318-S	09/30/1999	THORIUM-230	1 16	0 62	PCI/G
SC-26318-S	09/30/1999	URANIUM-238	1.2	2 4	PCI/G
SC-26319-S	07/08/1998	RADIUM-226	1.59	0 29	PCI/G
SC-26319-S	07/08/1998	RADIUM-228	1 35	0 42	PCI/G

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SC-26319-S	07/08/1998	THORIUM-230	1.32	0.62	PCI/G
SC-26319-S	07/08/1998	URANIUM-238	1.56	2.05	PCI/G
SC-26319-S-01	09/30/1999	PAH	0	18	UG/KG
SC-26319-S-01	09/30/1999	RADIUM-226	0.72	0.28	PCI/G
SC-26319-S-01	09/30/1999	RADIUM-228	1.13	0.46	PCI/G
SC-26319-S-01	09/30/1999	THORIUM-230	1.26	0.64	PCI/G
SC-26319-S-01	09/30/1999	URANIUM-238	1.265	2.53	PCI/G
SC-26320-S	09/15/1999	RADIUM-226	0.315	0.63	PCI/G
SC-26320-S	09/15/1999	RADIUM-228	0.475	0.95	PCI/G
SC-26320-S	09/15/1999	THORIUM-230	0.95	0.64	PCI/G
SC-26320-S	09/15/1999	URANIUM-238	1.3	2.6	PCI/G
SC-26320-S-RS	11/12/1999	PAH	29	17	UG/KG
SC-26321-S-HS01	10/02/1999	RADIUM-226	8.18	0.72	PCI/G
SC-26321-S-HS01	10/02/1999	RADIUM-228	15.5	0.94	PCI/G
SC-26321-S-HS01	10/02/1999	THORIUM-230	163	0.64	PCI/G
SC-26321-S-HS01	10/02/1999	URANIUM-238	29	6.23	PCI/G
SC-26321-S-HS02	10/02/1999	RADIUM-226	3.96	0.76	PCI/G
SC-26321-S-HS02	10/02/1999	RADIUM-228	10.2	1.04	PCI/G
SC-26321-S-HS02	10/02/1999	THORIUM-230	65.3	0.62	PCI/G
SC-26321-S-HS02	10/02/1999	URANIUM-238	16.1	6.36	PCI/G
SC-26321-S-RS01	10/13/1999	RADIUM-226	0.96	0.32	PCI/G
SC-26321-S-RS01	10/13/1999	RADIUM-228	1.01	0.45	PCI/G
SC-26321-S-RS01	10/13/1999	THORIUM-230	1.11	0.64	PCI/G
SC-26321-S-RS01	10/13/1999	URANIUM-238	1.345	2.69	PCI/G
SC-26321-S-RS02	10/15/1999	RADIUM-226	2.84	0.53	PCI/G
SC-26321-S-RS02	10/15/1999	RADIUM-228	3.7	0.62	PCI/G
SC-26321-S-RS02	10/15/1999	THORIUM-230	15.7	0.64	PCI/G
SC-26321-S-RS02	10/15/1999	URANIUM-238	1.915	3.83	PCI/G
SC-26321-S-RS02-RS	10/23/1999	RADIUM-226	0.305	0.61	PCI/G
SC-26321-S-RS02-RS	10/23/1999	RADIUM-228	1.34	0.43	PCI/G
SC-26321-S-RS02-RS	10/23/1999	THORIUM-230	1.06	0.64	PCI/G
SC-26321-S-RS02-RS	10/23/1999	URANIUM-238	1.165	2.33	PCI/G
SC-26323-S	07/08/1998	RADIUM-226	1.52	0.4	PCI/G
SC-26323-S	07/08/1998	RADIUM-228	1.32	0.51	PCI/G
SC-26323-S	07/08/1998	THORIUM-230	1.1	0.62	PCI/G
SC-26323-S	07/08/1998	URANIUM-238	1.93	3.86	PCI/G
SC-26323-S-01	09/30/1999	PAH	0	18	UG/KG
SC-26323-S-01	09/30/1999	RADIUM-226	0.76	0.32	PCI/G
SC-26323-S-01	09/30/1999	RADIUM-228	1.03	0.53	PCI/G
SC-26323-S-01	09/30/1999	THORIUM-230	0.99	0.64	PCI/G
SC-26323-S-01	09/30/1999	URANIUM-238	1.26	2.52	PCI/G
SC-26324-S	07/08/1998	RADIUM-226	1.54	0.24	PCI/G
SC-26324-S	07/08/1998	RADIUM-228	1.23	0.42	PCI/G
SC-26324-S	07/08/1998	THORIUM-230	1.21	0.62	PCI/G
SC-26324-S	07/08/1998	URANIUM-238	2.24	2.02	PCI/G
SC-26324-S-RS	09/02/1999	PAH	0	16	UG/KG
SC-26324-S-RS	09/02/1999	RADIUM-226	0.29	0.58	PCI/G
SC-26324-S-RS	09/02/1999	RADIUM-228	0.455	0.91	PCI/G
SC-26324-S-RS	09/02/1999	THORIUM-230	0.99	0.62	PCI/G
SC-26324-S-RS	09/02/1999	URANIUM-238	1.125	2.25	PCI/G
SC-26401-S	09/15/1999	RADIUM-226	0.76	0.26	PCI/G
SC-26401-S	09/15/1999	RADIUM-228	0.72	0.45	PCI/G
SC-26401-S	09/15/1999	THORIUM-230	0.99	0.62	PCI/G
SC-26401-S	09/15/1999	URANIUM-238	1.275	2.55	PCI/G
SC-26401-S-HS01	10/02/1999	RADIUM-226	4.14	0.64	PCI/G
SC-26401-S-HS01	10/02/1999	RADIUM-228	9.04	0.88	PCI/G
SC-26401-S-HS01	10/02/1999	THORIUM-230	81.5	0.62	PCI/G
SC-26401-S-HS01	10/02/1999	URANIUM-238	12.8	5.89	PCI/G
SC-26401-S-RS01	10/13/1999	RADIUM-226	0.32	0.64	PCI/G
SC-26401-S-RS01	10/13/1999	RADIUM-228	1.28	0.45	PCI/G
SC-26401-S-RS01	10/13/1999	THORIUM-230	1.19	0.65	PCI/G
SC-26401-S-RS01	10/13/1999	URANIUM-238	1.3	2.6	PCI/G
SC-26402-S	09/15/1999	RADIUM-226	0.71	0.32	PCI/G
SC-26402-S	09/15/1999	RADIUM-228	0.475	0.95	PCI/G
SC-26402-S	09/15/1999	THORIUM-230	1.05	0.64	PCI/G
SC-26402-S	09/15/1999	URANIUM-238	1.225	2.45	PCI/G
SC-26402-S-HS01	10/02/1999	RADIUM-226	7.48	1.19	PCI/G
SC-26402-S-HS01	10/02/1999	RADIUM-228	32.4	1.59	PCI/G
SC-26402-S-HS01	10/02/1999	THORIUM-230	187.6	0.64	PCI/G
SC-26402-S-HS01	10/02/1999	URANIUM-238	39.2	10.1	PCI/G
SC-26402-S-RS01	10/15/1999	RADIUM-226	2.68	0.37	PCI/G
SC-26402-S-RS01	10/15/1999	RADIUM-228	3.38	0.59	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26402-S-RS01	10/15/1999	THORIUM-230	32 8	0 64	PCI/G
SC-26402-S-RS01	10/15/1999	URANIUM-238	2.065	4 13	PCI/G
SC-26402-S-RS02	10/23/1999	RADIUM-226	0.6	0 3	PCI/G
SC-26402-S-RS02	10/23/1999	RADIUM-228	1 1	0 38	PCI/G
SC-26402-S-RS02	10/23/1999	THORIUM-230	1 37	0 64	PCI/G
SC-26402-S-RS02	10/23/1999	URANIUM-238	1.305	2 61	PCI/G
SC-26403-S	09/15/1999	RADIUM-226	0 84	0.32	PCI/G
SC-26403-S	09/15/1999	RADIUM-228	0.98	0 41	PCI/G
SC-26403-S	09/15/1999	THORIUM-230	1.32	0.62	PCI/G
SC-26403-S	09/15/1999	URANIUM-238	1.245	2.49	PCI/G
SC-26403-S-HS01	10/02/1999	RADIUM-226	5.89	0.61	PCI/G
SC-26403-S-HS01	10/02/1999	RADIUM-228	9.08	0.86	PCI/G
SC-26403-S-HS01	10/02/1999	THORIUM-230	89.6	0.64	PCI/G
SC-26403-S-HS01	10/02/1999	URANIUM-238	3.2	6 4	PCI/G
SC-26403-S-HS02	10/02/1999	RADIUM-226	0.91	0.47	PCI/G
SC-26403-S-HS02	10/02/1999	RADIUM-228	2.63	0.54	PCI/G
SC-26403-S-HS02	10/02/1999	THORIUM-230	12.4	0.62	PCI/G
SC-26403-S-HS02	10/02/1999	URANIUM-238	1 775	3.55	PCI/G
SC-26403-S-HS02-HS01	10/08/1999	THORIUM-230	2.12	0.64	PCI/G
SC-26403-S-HS02-HS02	10/08/1999	THORIUM-230	1 6	0 64	PCI/G
SC-26403-S-HS02-HS03	10/08/1999	THORIUM-230	1 4	0 62	PCI/G
SC-26403-S-HS02-HS04	10/08/1999	THORIUM-230	2.8	0 64	PCI/G
SC-26403-S-RS01	10/13/1999	RADIUM-226	0 49	0.29	PCI/G
SC-26403-S-RS01	10/13/1999	RADIUM-228	1 08	0.42	PCI/G
SC-26403-S-RS01	10/13/1999	THORIUM-230	0 85	0.62	PCI/G
SC-26403-S-RS01	10/13/1999	URANIUM-238	1 145	2.29	PCI/G
SC-26404-S	09/15/1999	RADIUM-226	0 58	0.28	PCI/G
SC-26404-S	09/15/1999	RADIUM-228	0 47	0 94	PCI/G
SC-26404-S	09/15/1999	THORIUM-230	1 39	0.64	PCI/G
SC-26404-S	09/15/1999	URANIUM-238	1 31	2.62	PCI/G
SC-26405-S	09/15/1999	RADIUM-226	0 82	0.27	PCI/G
SC-26405-S	09/15/1999	RADIUM-228	1.01	0.44	PCI/G
SC-26405-S	09/15/1999	THORIUM-230	1.04	0.62	PCI/G
SC-26405-S	09/15/1999	URANIUM-238	1 295	2 59	PCI/G
SC-26405-S-HS01	10/02/1999	RADIUM-226	1 91	0 45	PCI/G
SC-26405-S-HS01	10/02/1999	RADIUM-228	2 89	0 63	PCI/G
SC-26405-S-HS01	10/02/1999	THORIUM-230	31 9	0 62	PCI/G
SC-26405-S-HS01	10/02/1999	URANIUM-238	6 16	4 16	PCI/G
SC-26405-S-RS01	10/15/1999	RADIUM-226	0.285	0 57	PCI/G
SC-26405-S-RS01	10/15/1999	RADIUM-228	0 47	0 94	PCI/G
SC-26405-S-RS01	10/15/1999	THORIUM-230	6 68	0 64	PCI/G
SC-26405-S-RS01	10/15/1999	URANIUM-238	5 16	2 99	PCI/G
SC-26405-S-RS02	10/23/1999	RADIUM-226	0 76	0 25	PCI/G
SC-26405-S-RS02	10/23/1999	RADIUM-228	1 12	0 33	PCI/G
SC-26405-S-RS02	10/23/1999	THORIUM-230	0 97	0 64	PCI/G
SC-26405-S-RS02	10/23/1999	URANIUM-238	1 28	2 56	PCI/G
SC-26406-S	07/08/1998	RADIUM-226	1 23	0 39	PCI/G
SC-26406-S	07/08/1998	RADIUM-228	1 56	0 55	PCI/G
SC-26406-S	07/08/1998	THORIUM-230	1 06	0 62	PCI/G
SC-26406-S	07/08/1998	URANIUM-238	4 94	3 84	PCI/G
SC-26406-S-RS	09/02/1999	PAH	0	16	UG/KG
SC-26406-S-RS	09/02/1999	RADIUM-226	0 91	0 33	PCI/G
SC-26406-S-RS	09/02/1999	RADIUM-228	1 12	0 43	PCI/G
SC-26406-S-RS	09/02/1999	THORIUM-230	1 29	0 64	PCI/G
SC-26406-S-RS	09/02/1999	URANIUM-238	1.66	2 28	PCI/G
SC-26407-C-HS01	10/02/1999	RADIUM-226	1 98	0.44	PCI/G
SC-26407-C-HS01	10/02/1999	RADIUM-228	4.42	0.65	PCI/G
SC-26407-C-HS01	10/02/1999	THORIUM-230	313	0.64	PCI/G
SC-26407-C-HS01	10/02/1999	URANIUM-238	2.24	4.48	PCI/G
SC-26407-C-RS01	10/15/1999	RADIUM-226	0 73	0.32	PCI/G
SC-26407-C-RS01	10/15/1999	RADIUM-228	0.93	0 44	PCI/G
SC-26407-C-RS01	10/15/1999	THORIUM-230	2 1	0 64	PCI/G
SC-26407-C-RS01	10/15/1999	URANIUM-238	1.395	2 79	PCI/G
SC-26407-S	09/02/1999	PAH	0	18	UG/KG
SC-26407-S	09/02/1999	RADIUM-226	0.325	0.65	PCI/G
SC-26407-S	09/02/1999	RADIUM-228	1 15	0 51	PCI/G
SC-26407-S	09/02/1999	THORIUM-230	0 97	0 64	PCI/G
SC-26407-S	09/02/1999	URANIUM-238	1 205	2 41	PCI/G
SC-26407-S-HS01	10/02/1999	RADIUM-226	10.2	1 19	PCI/G
SC-26407-S-HS01	10/02/1999	RADIUM-228	30 6	1.65	PCI/G
SC-26407-S-HS01	10/02/1999	THORIUM-230	21 4	0 64	PCI/G
SC-26407-S-HS01	10/02/1999	URANIUM-238	42 5	10 5	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26407-S-RS01	10/15/1999	RADIUM-226	0.84	0.35	PCI/G
SC-26407-S-RS01	10/15/1999	RADIUM-228	1.39	0.48	PCI/G
SC-26407-S-RS01	10/15/1999	THORIUM-230	1.93	0.64	PCI/G
SC-26407-S-RS01	10/15/1999	URANIUM-238	8.18	3.36	PCI/G
SC-26408-S	09/15/1999	RADIUM-226	0.66	0.32	PCI/G
SC-26408-S	09/15/1999	RADIUM-228	0.495	0.99	PCI/G
SC-26408-S	09/15/1999	THORIUM-230	1.26	0.64	PCI/G
SC-26408-S	09/15/1999	URANIUM-238	1.2	2.4	PCI/G
SC-26408-S-HS01	10/02/1999	RADIUM-226	3.12	0.55	PCI/G
SC-26408-S-HS01	10/02/1999	RADIUM-228	5.47	0.65	PCI/G
SC-26408-S-HS01	10/02/1999	THORIUM-230	68.6	0.62	PCI/G
SC-26408-S-HS01	10/02/1999	URANIUM-238	2.69	5.38	PCI/G
SC-26408-S-RS01	10/15/1999	RADIUM-226	0.66	0.3	PCI/G
SC-26408-S-RS01	10/15/1999	RADIUM-228	1.51	0.27	PCI/G
SC-26408-S-RS01	10/15/1999	THORIUM-230	1.17	0.64	PCI/G
SC-26408-S-RS01	10/15/1999	URANIUM-238	1.275	2.55	PCI/G
SC-26409-S	09/15/1999	RADIUM-226	0.77	0.3	PCI/G
SC-26409-S	09/15/1999	RADIUM-228	1.11	0.45	PCI/G
SC-26409-S	09/15/1999	THORIUM-230	0.92	0.62	PCI/G
SC-26409-S	09/15/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26410-S	09/15/1999	RADIUM-226	0.7	0.32	PCI/G
SC-26410-S	09/15/1999	RADIUM-228	0.97	0.46	PCI/G
SC-26410-S	09/15/1999	THORIUM-230	1.22	0.64	PCI/G
SC-26410-S	09/15/1999	URANIUM-238	1.17	2.34	PCI/G
SC-26412-C	07/09/1998	RADIUM-226	0.91	0.39	PCI/G
SC-26412-C	07/09/1998	RADIUM-228	0.605	1.21	PCI/G
SC-26412-C	07/09/1998	THORIUM-230	1.58	0.62	PCI/G
SC-26412-C	07/09/1998	URANIUM-238	1.95	3.9	PCI/G
SC-26412-C-01	09/30/1999	PAH	0	18	UG/KG
SC-26412-C-01	09/30/1999	RADIUM-226	0.53	0.32	PCI/G
SC-26412-C-01	09/30/1999	RADIUM-228	1.21	0.36	PCI/G
SC-26412-C-01	09/30/1999	THORIUM-230	1.31	0.62	PCI/G
SC-26412-C-01	09/30/1999	URANIUM-238	1.34	2.68	PCI/G
SC-26413-S	07/09/1998	RADIUM-226	1.26	0.31	PCI/G
SC-26413-S	07/09/1998	RADIUM-228	1.12	0.38	PCI/G
SC-26413-S	07/09/1998	THORIUM-230	1.54	0.62	PCI/G
SC-26413-S	07/09/1998	URANIUM-238	1.36	2.72	PCI/G
SC-26413-S-01	09/30/1999	PAH	0	18	UG/KG
SC-26413-S-01	09/30/1999	RADIUM-226	0.85	0.29	PCI/G
SC-26413-S-01	09/30/1999	RADIUM-228	0.445	0.89	PCI/G
SC-26413-S-01	09/30/1999	THORIUM-230	1.04	0.62	PCI/G
SC-26413-S-01	09/30/1999	URANIUM-238	1.165	2.33	PCI/G
SC-26414-S	07/09/1998	RADIUM-226	1.6	0.42	PCI/G
SC-26414-S	07/09/1998	RADIUM-228	1.08	0.72	PCI/G
SC-26414-S	07/09/1998	THORIUM-230	1.3	0.62	PCI/G
SC-26414-S	07/09/1998	URANIUM-238	2.005	4.01	PCI/G
SC-26414-S-01	09/30/1999	PAH	0	17	UG/KG
SC-26414-S-01	09/30/1999	RADIUM-226	0.97	0.3	PCI/G
SC-26414-S-01	09/30/1999	RADIUM-228	1.19	0.46	PCI/G
SC-26414-S-01	09/30/1999	THORIUM-230	1.09	0.64	PCI/G
SC-26414-S-01	09/30/1999	URANIUM-238	1.33	2.66	PCI/G
SC-26414-S-RS	09/02/1999	PAH	0	16	UG/KG
SC-26414-S-RS	09/02/1999	RADIUM-226	0.88	0.31	PCI/G
SC-26414-S-RS	09/02/1999	RADIUM-228	0.365	0.73	PCI/G
SC-26414-S-RS	09/02/1999	THORIUM-230	1.21	0.62	PCI/G
SC-26414-S-RS	09/02/1999	URANIUM-238	1.35	2.7	PCI/G
SC-26415-S	07/09/1998	RADIUM-226	1.43	0.27	PCI/G
SC-26415-S	07/09/1998	RADIUM-228	1.18	0.47	PCI/G
SC-26415-S	07/09/1998	THORIUM-230	1.22	0.62	PCI/G
SC-26415-S	07/09/1998	URANIUM-238	1.5	3	PCI/G
SC-26415-S-01	09/30/1999	PAH	0	18	UG/KG
SC-26415-S-01	09/30/1999	RADIUM-226	0.32	0.64	PCI/G
SC-26415-S-01	09/30/1999	RADIUM-228	0.47	0.94	PCI/G
SC-26415-S-01	09/30/1999	THORIUM-230	1.31	0.64	PCI/G
SC-26415-S-01	09/30/1999	URANIUM-238	1.275	2.55	PCI/G
SC-26415-S-RS	09/02/1999	PAH	0	16	UG/KG
SC-26415-S-RS	09/02/1999	RADIUM-226	0.83	0.33	PCI/G
SC-26415-S-RS	09/02/1999	RADIUM-228	0.42	0.84	PCI/G
SC-26415-S-RS	09/02/1999	THORIUM-230	1.07	0.62	PCI/G
SC-26415-S-RS	09/02/1999	URANIUM-238	1.38	2.76	PCI/G
SC-26416-S	07/09/1998	RADIUM-226	1.11	0.27	PCI/G
SC-26416-S	07/09/1998	RADIUM-228	1.11	0.37	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26416-S	07/09/1998	THORIUM-230	1.34	0.62	PCI/G
SC-26416-S	07/09/1998	URANIUM-238	1.32	2.64	PCI/G
SC-26416-S-01	09/30/1999	PAH	0	19	UG/KG
SC-26416-S-01	09/30/1999	RADIUM-226	0.76	0.3	PCI/G
SC-26416-S-01	09/30/1999	RADIUM-228	1.18	0 45	PCI/G
SC-26416-S-01	09/30/1999	THORIUM-230	1.3	0.62	PCI/G
SC-26416-S-01	09/30/1999	URANIUM-238	1.36	2.72	PCI/G
SC-26416-S-RS	09/02/1999	PAH	0	17	UG/KG
SC-26416-S-RS	09/02/1999	RADIUM-226	0.76	0.28	PCI/G
SC-26416-S-RS	09/02/1999	RADIUM-228	1.01	0.42	PCI/G
SC-26416-S-RS	09/02/1999	THORIUM-230	0.99	0.64	PCI/G
SC-26416-S-RS	09/02/1999	URANIUM-238	1.225	2.45	PCI/G
SC-26417-S	09/02/1999	PAH	0	16	UG/KG
SC-26417-S	09/02/1999	RADIUM-226	0 71	0.32	PCI/G
SC-26417-S	09/02/1999	RADIUM-228	0.44	0.88	PCI/G
SC-26417-S	09/02/1999	THORIUM-230	0.99	0.64	PCI/G
SC-26417-S	09/02/1999	URANIUM-238	1.17	2.34	PCI/G
SC-26417-S-01	09/30/1999	PAH	0	19	UG/KG
SC-26417-S-01	09/30/1999	RADIUM-226	0.66	0.32	PCI/G
SC-26417-S-01	09/30/1999	RADIUM-228	0.405	0.81	PCI/G
SC-26417-S-01	09/30/1999	THORIUM-230	1.21	0.62	PCI/G
SC-26417-S-01	09/30/1999	URANIUM-238	1.215	2.43	PCI/G
SC-26418-S	09/02/1999	PAH	0	17	UG/KG
SC-26418-S	09/02/1999	RADIUM-226	0.85	0.29	PCI/G
SC-26418-S	09/02/1999	RADIUM-228	0.325	0.65	PCI/G
SC-26418-S	09/02/1999	THORIUM-230	0.93	0.62	PCI/G
SC-26418-S	09/02/1999	URANIUM-238	1.255	2 51	PCI/G
SC-26418-S-01	09/30/1999	PAH	0	18	UG/KG
SC-26418-S-01	09/30/1999	RADIUM-226	0 89	0 32	PCI/G
SC-26418-S-01	09/30/1999	RADIUM-228	1 07	0 49	PCI/G
SC-26418-S-01	09/30/1999	THORIUM-230	1.03	0 64	PCI/G
SC-26418-S-01	09/30/1999	URANIUM-238	1 345	2 69	PCI/G
SC-26421-C	07/09/1998	RADIUM-226	1 06	0.27	PCI/G
SC-26421-C	07/09/1998	RADIUM-228	0 535	1 07	PCI/G
SC-26421-C	07/09/1998	THORIUM-230	1 31	0 62	PCI/G
SC-26421-C	07/09/1998	URANIUM-238	1.86	3 72	PCI/G
SC-26421-C-01	09/30/1999	PAH	0	18	UG/KG
SC-26421-C-01	09/30/1999	RADIUM-226	0 73	0 37	PCI/G
SC-26421-C-01	09/30/1999	RADIUM-228	1 42	0.48	PCI/G
SC-26421-C-01	09/30/1999	THORIUM-230	0 87	0.64	PCI/G
SC-26421-C-01	09/30/1999	URANIUM-238	1 235	2 47	PCI/G
SC-26421-C-RS	09/02/1999	PAH	0	16	UG/KG
SC-26421-C-RS	09/02/1999	RADIUM-226	0.72	0 28	PCI/G
SC-26421-C-RS	09/02/1999	RADIUM-228	0.89	0 53	PCI/G
SC-26421-C-RS	09/02/1999	THORIUM-230	1 53	0 62	PCI/G
SC-26421-C-RS	09/02/1999	URANIUM-238	1 31	2 62	PCI/G
SC-26423-C	09/02/1999	PAH	0	18	UG/KG
SC-26423-C	09/02/1999	RADIUM-226	0.82	0 26	PCI/G
SC-26423-C	09/02/1999	RADIUM-228	0.345	0 69	PCI/G
SC-26423-C	09/02/1999	THORIUM-230	0 97	0 64	PCI/G
SC-26423-C	09/02/1999	URANIUM-238	1.245	2 49	PCI/G
SC-26423-C-01	09/30/1999	PAH	0	19	UG/KG
SC-26423-C-01	09/30/1999	RADIUM-226	0.79	0.31	PCI/G
SC-26423-C-01	09/30/1999	RADIUM-228	1.29	0.41	PCI/G
SC-26423-C-01	09/30/1999	THORIUM-230	1.33	0.62	PCI/G
SC-26423-C-01	09/30/1999	URANIUM-238	1.32	2.64	PCI/G
SC-26425-C	09/02/1999	PAH	0	18	UG/KG
SC-26425-C	09/02/1999	RADIUM-226	0.72	0.31	PCI/G
SC-26425-C	09/02/1999	RADIUM-228	0.46	0.92	PCI/G
SC-26425-C	09/02/1999	THORIUM-230	1 74	0.64	PCI/G
SC-26425-C	09/02/1999	URANIUM-238	1.315	2.63	PCI/G
SC-26425-C-01	09/30/1999	PAH	0	19	UG/KG
SC-26425-C-01	09/30/1999	RADIUM-226	0.89	0.33	PCI/G
SC-26425-C-01	09/30/1999	RADIUM-228	0 93	0.59	PCI/G
SC-26425-C-01	09/30/1999	THORIUM-230	1.43	0.62	PCI/G
SC-26425-C-01	09/30/1999	URANIUM-238	1.415	2.83	PCI/G
SC-26501-S	09/15/1999	RADIUM-226	0.64	0.33	PCI/G
SC-26501-S	09/15/1999	RADIUM-228	1.11	0.38	PCI/G
SC-26501-S	09/15/1999	THORIUM-230	1 16	0.62	PCI/G
SC-26501-S	09/15/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26502-S	09/15/1999	RADIUM-226	0 72	0 25	PCI/G
SC-26502-S	09/15/1999	RADIUM-228	0.475	0 95	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26502-S	09/15/1999	THORIUM-230	1.42	0.64	PCI/G
SC-26502-S	09/15/1999	URANIUM-238	1.165	2.33	PCI/G
SC-26503-S	09/15/1999	RADIUM-226	0.22	0.44	PCI/G
SC-26503-S	09/15/1999	RADIUM-228	1.01	0.43	PCI/G
SC-26503-S	09/15/1999	THORIUM-230	1.53	0.62	PCI/G
SC-26503-S	09/15/1999	URANIUM-238	2.055	4.11	PCI/G
SC-26504-S	10/22/1999	RADIUM-226	1.19	0.34	PCI/G
SC-26504-S	10/22/1999	RADIUM-228	0.555	1.11	PCI/G
SC-26504-S	10/22/1999	THORIUM-230	6.07	0.64	PCI/G
SC-26504-S	10/22/1999	URANIUM-238	1.61	3.22	PCI/G
SC-26505-S	09/15/1999	RADIUM-226	0.275	0.55	PCI/G
SC-26505-S	09/15/1999	RADIUM-228	1.4	0.67	PCI/G
SC-26505-S	09/15/1999	THORIUM-230	1.14	0.64	PCI/G
SC-26505-S	09/15/1999	URANIUM-238	1.225	2.45	PCI/G
SC-26506-S	09/15/1999	RADIUM-226	0.76	0.32	PCI/G
SC-26506-S	09/15/1999	RADIUM-228	0.93	0.47	PCI/G
SC-26506-S	09/15/1999	THORIUM-230	1.12	0.62	PCI/G
SC-26506-S	09/15/1999	URANIUM-238	1.32	2.64	PCI/G
SC-26507-S	09/15/1999	RADIUM-226	0.83	0.32	PCI/G
SC-26507-S	09/15/1999	RADIUM-228	0.44	0.88	PCI/G
SC-26507-S	09/15/1999	THORIUM-230	1.33	0.64	PCI/G
SC-26507-S	09/15/1999	URANIUM-238	1.275	2.55	PCI/G
SC-26508-S	09/15/1999	RADIUM-226	0.82	0.28	PCI/G
SC-26508-S	09/15/1999	RADIUM-228	1.36	0.34	PCI/G
SC-26508-S	09/15/1999	THORIUM-230	2.6	0.62	PCI/G
SC-26508-S	09/15/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26509-S	09/02/1999	PAH	0	17	UG/KG
SC-26509-S	09/02/1999	RADIUM-226	0.83	0.26	PCI/G
SC-26509-S	09/02/1999	RADIUM-228	1.03	0.35	PCI/G
SC-26509-S	09/02/1999	THORIUM-230	1.76	0.62	PCI/G
SC-26509-S	09/02/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26509-S-01	09/30/1999	PAH	0	19	UG/KG
SC-26509-S-01	09/30/1999	RADIUM-226	0.72	0.29	PCI/G
SC-26509-S-01	09/30/1999	RADIUM-228	1.18	0.45	PCI/G
SC-26509-S-01	09/30/1999	THORIUM-230	1.11	0.64	PCI/G
SC-26509-S-01	09/30/1999	URANIUM-238	1.33	2.66	PCI/G
SC-26510-S	09/02/1999	PAH	33	17	UG/KG
SC-26510-S	09/02/1999	RADIUM-226	0.71	0.33	PCI/G
SC-26510-S	09/02/1999	RADIUM-228	1.01	0.55	PCI/G
SC-26510-S	09/02/1999	THORIUM-230	1.07	0.62	PCI/G
SC-26510-S	09/02/1999	URANIUM-238	1.205	2.41	PCI/G
SC-26510-S-01	09/30/1999	PAH	0	19	UG/KG
SC-26510-S-01	09/30/1999	RADIUM-226	1.03	0.33	PCI/G
SC-26510-S-01	09/30/1999	RADIUM-228	0.89	0.52	PCI/G
SC-26510-S-01	09/30/1999	THORIUM-230	1.15	0.64	PCI/G
SC-26510-S-01	09/30/1999	URANIUM-238	1.265	2.53	PCI/G
SC-26511-S	09/02/1999	PAH	0	18	UG/KG
SC-26511-S	09/02/1999	RADIUM-226	0.67	0.31	PCI/G
SC-26511-S	09/02/1999	RADIUM-228	0.97	0.48	PCI/G
SC-26511-S	09/02/1999	THORIUM-230	1.89	0.62	PCI/G
SC-26511-S	09/02/1999	URANIUM-238	1.275	2.55	PCI/G
SC-26512-S	09/02/1999	PAH	760	18	UG/KG
SC-26512-S	09/02/1999	RADIUM-226	0.81	0.22	PCI/G
SC-26512-S	09/02/1999	RADIUM-228	1.09	0.33	PCI/G
SC-26512-S	09/02/1999	THORIUM-230	1.17	0.62	PCI/G
SC-26512-S	09/02/1999	URANIUM-238	0.85	1.7	PCI/G
SC-26514-S	09/02/1999	PAH	0	16	UG/KG
SC-26514-S	09/02/1999	RADIUM-226	0.79	0.28	PCI/G
SC-26514-S	09/02/1999	RADIUM-228	1.23	0.35	PCI/G
SC-26514-S	09/02/1999	THORIUM-230	1.15	0.64	PCI/G
SC-26514-S	09/02/1999	URANIUM-238	1.295	2.59	PCI/G
SC-26514-S-01	09/30/1999	PAH	333	19	UG/KG
SC-26514-S-01	09/30/1999	RADIUM-226	0.65	0.31	PCI/G
SC-26514-S-01	09/30/1999	RADIUM-228	0.98	0.5	PCI/G
SC-26514-S-01	09/30/1999	THORIUM-230	1.13	0.62	PCI/G
SC-26514-S-01	09/30/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26515-S	09/02/1999	PAH	0	17	UG/KG
SC-26515-S	09/02/1999	RADIUM-226	0.79	0.3	PCI/G
SC-26515-S	09/02/1999	RADIUM-228	0.435	0.87	PCI/G
SC-26515-S	09/02/1999	THORIUM-230	1	0.64	PCI/G
SC-26515-S	09/02/1999	URANIUM-238	1.34	2.68	PCI/G
SC-26515-S-01	09/30/1999	PAH	0	18	UG/KG

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26515-S-01	09/30/1999	RADIUM-226	0.325	0.65	PCI/G
SC-26515-S-01	09/30/1999	RADIUM-228	0.455	0.91	PCI/G
SC-26515-S-01	09/30/1999	THORIUM-230	1 1	0.62	PCI/G
SC-26515-S-01	09/30/1999	URANIUM-238	1.355	2.71	PCI/G
SC-26515-S-RS	07/07/2000	PAH	38	18	UG/KG
SC-26515-S-RS	07/07/2000	RADIUM-226	1 06	0 23	PCI/G
SC-26515-S-RS	07/07/2000	RADIUM-228	1.28	0 35	PCI/G
SC-26515-S-RS	07/07/2000	THORIUM-230	1.07	0.64	PCI/G
SC-26515-S-RS	07/07/2000	URANIUM-238	1.16	2.32	PCI/G
SC-26516-S	09/02/1999	PAH	0	16	UG/KG
SC-26516-S	09/02/1999	RADIUM-226	0 72	0 3	PCI/G
SC-26516-S	09/02/1999	RADIUM-228	0.87	0.37	PCI/G
SC-26516-S	09/02/1999	THORIUM-230	0.88	0.62	PCI/G
SC-26516-S	09/02/1999	URANIUM-238	1 26	2.52	PCI/G
SC-26516-S-01	09/30/1999	PAH	20	19	UG/KG
SC-26516-S-01	09/30/1999	RADIUM-226	0.82	0.28	PCI/G
SC-26516-S-01	09/30/1999	RADIUM-228	1 11	0.4	PCI/G
SC-26516-S-01	09/30/1999	THORIUM-230	1 6	0.64	PCI/G
SC-26516-S-01	09/30/1999	URANIUM-238	1.285	2 57	PCI/G
SC-26601-S	10/22/1999	RADIUM-226	0 86	0 31	PCI/G
SC-26601-S	10/22/1999	RADIUM-228	1 19	0 36	PCI/G
SC-26601-S	10/22/1999	THORIUM-230	1.46	0 64	PCI/G
SC-26601-S	10/22/1999	URANIUM-238	1.305	2 61	PCI/G
SC-26602-S	10/22/1999	RADIUM-226	0.285	0 57	PCI/G
SC-26602-S	10/22/1999	RADIUM-228	0.53	1.06	PCI/G
SC-26602-S	10/22/1999	THORIUM-230	2.29	0.64	PCI/G
SC-26602-S	10/22/1999	URANIUM-238	1 325	2.65	PCI/G
SC-26603-S	10/26/1999	RADIUM-226	1.05	0.32	PCI/G
SC-26603-S	10/26/1999	RADIUM-228	1 29	0 36	PCI/G
SC-26603-S	10/26/1999	THORIUM-230	7 3	0 64	PCI/G
SC-26603-S	10/26/1999	URANIUM-238	1 36	2 72	PCI/G
SC-26603-S-RS	11/03/1999	THORIUM-230	0 99	0.65	PCI/G
SC-26604-S	10/13/1999	PCB	0	44	UG/KG
SC-26604-S	10/13/1999	RADIUM-226	0.285	0.57	PCI/G
SC-26604-S	10/13/1999	RADIUM-228	0 9	0 5	PCI/G
SC-26604-S	10/13/1999	THORIUM-230	0 96	0.65	PCI/G
SC-26604-S	10/13/1999	URANIUM-238	1.235	2.47	PCI/G
SC-26605-S	10/22/1999	RADIUM-226	1 23	0 31	PCI/G
SC-26605-S	10/22/1999	RADIUM-228	1 13	0 4	PCI/G
SC-26605-S	10/22/1999	THORIUM-230	3 34	0.64	PCI/G
SC-26605-S	10/22/1999	URANIUM-238	1 32	2.64	PCI/G
SC-26606-S	10/22/1999	RADIUM-226	0 315	0.63	PCI/G
SC-26606-S	10/22/1999	RADIUM-228	1 16	0.45	PCI/G
SC-26606-S	10/22/1999	THORIUM-230	1 07	0 64	PCI/G
SC-26606-S	10/22/1999	URANIUM-238	1 17	2 34	PCI/G
SC-26607-S	10/26/1999	RADIUM-226	1	0 26	PCI/G
SC-26607-S	10/26/1999	RADIUM-228	0 455	0 91	PCI/G
SC-26607-S	10/26/1999	THORIUM-230	0 85	0 64	PCI/G
SC-26607-S	10/26/1999	URANIUM-238	1 29	2 58	PCI/G
SC-26608-S	10/26/1999	RADIUM-226	1 05	0 26	PCI/G
SC-26608-S	10/26/1999	RADIUM-228	0 95	0 42	PCI/G
SC-26608-S	10/26/1999	THORIUM-230	0 96	0 64	PCI/G
SC-26608-S	10/26/1999	URANIUM-238	1 315	2 63	PCI/G
SC-26609-S	09/02/1999	RADIUM-226	0.98	0 28	PCI/G
SC-26609-S	09/02/1999	RADIUM-228	0 97	0 46	PCI/G
SC-26609-S	09/02/1999	THORIUM-230	1 08	0.62	PCI/G
SC-26609-S	09/02/1999	URANIUM-238	1 25	2.5	PCI/G
SC-26610-S	10/22/1999	RADIUM-226	1.09	0.27	PCI/G
SC-26610-S	10/22/1999	RADIUM-228	1 39	0.43	PCI/G
SC-26610-S	10/22/1999	THORIUM-230	5.37	0.64	PCI/G
SC-26610-S	10/22/1999	URANIUM-238	1 37	2 74	PCI/G
SC-26611-S	10/26/1999	RADIUM-226	1 24	0 33	PCI/G
SC-26611-S	10/26/1999	RADIUM-228	0.425	0 85	PCI/G
SC-26611-S	10/26/1999	THORIUM-230	0 95	0.64	PCI/G
SC-26611-S	10/26/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26612-S	10/26/1999	RADIUM-226	0 94	0.24	PCI/G
SC-26612-S	10/26/1999	RADIUM-228	1 03	0.47	PCI/G
SC-26612-S	10/26/1999	THORIUM-230	1 35	0 64	PCI/G
SC-26612-S	10/26/1999	URANIUM-238	1 34	2 68	PCI/G
SC-26613-S	09/02/1999	PAH	0	17	UG/KG
SC-26613-S	09/02/1999	RADIUM-226	0 87	0 3	PCI/G
SC-26613-S	09/02/1999	RADIUM-228	0 99	0.45	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26613-S	09/02/1999	THORIUM-230	1.38	0.64	PCI/G
SC-26613-S	09/02/1999	URANIUM-238	1.355	2.71	PCI/G
SC-26613-S-01	09/30/1999	PAH	0	18	UG/KG
SC-26613-S-01	09/30/1999	RADIUM-226	0.85	0.37	PCI/G
SC-26613-S-01	09/30/1999	RADIUM-228	0.41	0.82	PCI/G
SC-26613-S-01	09/30/1999	THORIUM-230	1.12	0.64	PCI/G
SC-26613-S-01	09/30/1999	URANIUM-238	1.35	2.7	PCI/G
SC-26614-S	09/02/1999	PAH	0	16	UG/KG
SC-26614-S	09/02/1999	RADIUM-226	0.88	0.28	PCI/G
SC-26614-S	09/02/1999	RADIUM-228	1.24	0.4	PCI/G
SC-26614-S	09/02/1999	THORIUM-230	0.95	0.64	PCI/G
SC-26614-S	09/02/1999	URANIUM-238	1.235	2.47	PCI/G
SC-26614-S-01	09/30/1999	PAH	0	17	UG/KG
SC-26614-S-01	09/30/1999	RADIUM-226	1	0.31	PCI/G
SC-26614-S-01	09/30/1999	RADIUM-228	1.11	0.33	PCI/G
SC-26614-S-01	09/30/1999	THORIUM-230	1.01	0.62	PCI/G
SC-26614-S-01	09/30/1999	URANIUM-238	1.44	1.74	PCI/G
SC-26615-S	09/30/1999	PAH	0	18	UG/KG
SC-26615-S	09/30/1999	RADIUM-226	0.87	0.24	PCI/G
SC-26615-S	09/30/1999	RADIUM-228	0.455	0.91	PCI/G
SC-26615-S	09/30/1999	THORIUM-230	1.39	0.62	PCI/G
SC-26615-S	09/30/1999	URANIUM-238	1.25	2.5	PCI/G
SC-26616-C	10/26/1999	RADIUM-226	0.69	0.3	PCI/G
SC-26616-C	10/26/1999	RADIUM-228	1.19	0.43	PCI/G
SC-26616-C	10/26/1999	THORIUM-230	1.52	0.64	PCI/G
SC-26616-C	10/26/1999	URANIUM-238	1.36	2.72	PCI/G
SC-26616-S	10/26/1999	RADIUM-226	0.91	0.27	PCI/G
SC-26616-S	10/26/1999	RADIUM-228	1.26	0.38	PCI/G
SC-26616-S	10/26/1999	THORIUM-230	1.3	0.64	PCI/G
SC-26616-S	10/26/1999	URANIUM-238	1.32	2.64	PCI/G
SC-26618-C	09/02/1999	PAH	810	84	UG/KG
SC-26618-C	09/02/1999	RADIUM-226	0.84	0.3	PCI/G
SC-26618-C	09/02/1999	RADIUM-228	1.22	0.37	PCI/G
SC-26618-C	09/02/1999	THORIUM-230	1.12	0.62	PCI/G
SC-26618-C	09/02/1999	URANIUM-238	1.335	2.67	PCI/G
SC-26618-C-01	09/30/1999	PAH	0	18	UG/KG
SC-26618-C-01	09/30/1999	RADIUM-226	0.81	0.32	PCI/G
SC-26618-C-01	09/30/1999	RADIUM-228	1.2	0.42	PCI/G
SC-26618-C-01	09/30/1999	THORIUM-230	1.15	0.64	PCI/G
SC-26618-C-01	09/30/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26702-S	07/16/2000	RADIUM-226	0.265	0.53	PCI/G
SC-26702-S	07/16/2000	RADIUM-228	0.37	0.74	PCI/G
SC-26702-S	07/16/2000	THORIUM-230	1.1	0.65	PCI/G
SC-26702-S	07/16/2000	URANIUM-238	1.03	2.06	PCI/G
SC-26704-C	07/16/2000	RADIUM-226	0.78	0.24	PCI/G
SC-26704-C	07/16/2000	RADIUM-228	1.06	0.31	PCI/G
SC-26704-C	07/16/2000	THORIUM-230	1.22	0.62	PCI/G
SC-26704-C	07/16/2000	URANIUM-238	1.085	2.17	PCI/G
SC-26704-S	07/16/2000	RADIUM-226	0.27	0.54	PCI/G
SC-26704-S	07/16/2000	RADIUM-228	0.425	0.85	PCI/G
SC-26704-S	07/16/2000	THORIUM-230	1.86	0.64	PCI/G
SC-26704-S	07/16/2000	URANIUM-238	1.19	2.38	PCI/G
SC-26706-S	07/16/2000	RADIUM-226	0.89	0.26	PCI/G
SC-26706-S	07/16/2000	RADIUM-228	1.04	0.37	PCI/G
SC-26706-S	07/16/2000	THORIUM-230	2.76	0.64	PCI/G
SC-26706-S	07/16/2000	URANIUM-238	1.18	2.36	PCI/G
SC-26709-S	07/16/2000	RADIUM-226	0.86	0.26	PCI/G
SC-26709-S	07/16/2000	RADIUM-228	0.425	0.85	PCI/G
SC-26709-S	07/16/2000	THORIUM-230	1.2	0.65	PCI/G
SC-26709-S	07/16/2000	URANIUM-238	1.13	2.26	PCI/G
SC-26711-S	07/16/2000	RADIUM-226	0.82	0.25	PCI/G
SC-26711-S	07/16/2000	RADIUM-228	1.03	0.34	PCI/G
SC-26711-S	07/16/2000	THORIUM-230	1.32	0.62	PCI/G
SC-26711-S	07/16/2000	URANIUM-238	1.15	2.3	PCI/G
SC-26713-C	07/16/2000	RADIUM-226	0.71	0.27	PCI/G
SC-26713-C	07/16/2000	RADIUM-228	0.395	0.79	PCI/G
SC-26713-C	07/16/2000	THORIUM-230	1.38	0.64	PCI/G
SC-26713-C	07/16/2000	URANIUM-238	1.135	2.27	PCI/G
SC-26713-S	07/16/2000	RADIUM-226	0.68	0.21	PCI/G
SC-26713-S	07/16/2000	RADIUM-228	0.285	0.57	PCI/G
SC-26713-S	07/16/2000	THORIUM-230	1.21	0.64	PCI/G
SC-26713-S	07/16/2000	URANIUM-238	1.82	1.59	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26716-S	07/16/2000	RADIUM-226	0.73	0.25	PCI/G
SC-26716-S	07/16/2000	RADIUM-228	0 34	0.68	PCI/G
SC-26716-S	07/16/2000	THORIUM-230	1 57	0 65	PCI/G
SC-26716-S	07/16/2000	URANIUM-238	1.01	2.02	PCI/G
SC-26718-S	07/16/2000	RADIUM-226	0.97	0 27	PCI/G
SC-26718-S	07/16/2000	RADIUM-228	1 14	0 32	PCI/G
SC-26718-S	07/16/2000	THORIUM-230	0 98	0 62	PCI/G
SC-26718-S	07/16/2000	URANIUM-238	1.87	2 05	PCI/G
SC-26723-S	07/16/2000	RADIUM-226	0.87	0 35	PCI/G
SC-26723-S	07/16/2000	RADIUM-228	0.41	0.82	PCI/G
SC-26723-S	07/16/2000	THORIUM-230	1.3	0.65	PCI/G
SC-26723-S	07/16/2000	URANIUM-238	1.01	2.02	PCI/G
SC-26725-C	07/16/2000	RADIUM-226	0.92	0.3	PCI/G
SC-26725-C	07/16/2000	RADIUM-228	0 42	0.84	PCI/G
SC-26725-C	07/16/2000	THORIUM-230	1.18	0.62	PCI/G
SC-26725-C	07/16/2000	URANIUM-238	1.15	2.3	PCI/G
SC-26725-S	07/16/2000	RADIUM-226	0.71	0.26	PCI/G
SC-26725-S	07/16/2000	RADIUM-228	0.93	0.41	PCI/G
SC-26725-S	07/16/2000	THORIUM-230	1.22	0.64	PCI/G
SC-26725-S	07/16/2000	URANIUM-238	1 005	2 01	PCI/G
SC-26728-S	07/16/2000	RADIUM-226	0.79	0 25	PCI/G
SC-26728-S	07/16/2000	RADIUM-228	1.05	0 29	PCI/G
SC-26728-S	07/16/2000	THORIUM-230	1.76	0 64	PCI/G
SC-26728-S	07/16/2000	URANIUM-238	1 045	2 09	PCI/G
SC-26730-S	07/16/2000	RADIUM-226	0.265	0.53	PCI/G
SC-26730-S	07/16/2000	RADIUM-228	0 37	0.74	PCI/G
SC-26730-S	07/16/2000	THORIUM-230	1 43	0.65	PCI/G
SC-26730-S	07/16/2000	URANIUM-238	1.245	2 49	PCI/G
SC-26731-S	07/16/2000	RADIUM-226	0 93	0 24	PCI/G
SC-26731-S	07/16/2000	RADIUM-228	1 07	0 35	PCI/G
SC-26731-S	07/16/2000	THORIUM-230	1 27	0 62	PCI/G
SC-26731-S	07/16/2000	URANIUM-238	1.15	2 3	PCI/G
SC-26734-S	07/16/2000	RADIUM-226	0 8	0 26	PCI/G
SC-26734-S	07/16/2000	RADIUM-228	0 36	0 72	PCI/G
SC-26734-S	07/16/2000	THORIUM-230	0 87	0 64	PCI/G
SC-26734-S	07/16/2000	URANIUM-238	1 06	2 12	PCI/G
SC-26736-C	07/16/2000	RADIUM-226	0.71	0 24	PCI/G
SC-26736-C	07/16/2000	RADIUM-228	0.78	0 33	PCI/G
SC-26736-C	07/16/2000	THORIUM-230	1 19	0 64	PCI/G
SC-26736-C	07/16/2000	URANIUM-238	1 105	2 21	PCI/G
SC-26737-S	07/16/2000	RADIUM-226	0.92	0 23	PCI/G
SC-26737-S	07/16/2000	RADIUM-228	1.14	0 45	PCI/G
SC-26737-S	07/16/2000	THORIUM-230	1 25	0 65	PCI/G
SC-26737-S	07/16/2000	URANIUM-238	1 11	2 22	PCI/G
SC-26739-S	07/16/2000	RADIUM-226	0 66	0 26	PCI/G
SC-26739-S	07/16/2000	RADIUM-228	0 79	0 32	PCI/G
SC-26739-S	07/16/2000	THORIUM-230	1 32	0 62	PCI/G
SC-26739-S	07/16/2000	URANIUM-238	1 15	2 3	PCI/G
SC-26742-S	07/16/2000	RADIUM-226	0.275	0 55	PCI/G
SC-26742-S	07/16/2000	RADIUM-228	0 89	0 5	PCI/G
SC-26742-S	07/16/2000	THORIUM-230	1 57	0 65	PCI/G
SC-26742-S	07/16/2000	URANIUM-238	1 05	2 1	PCI/G
SC-26744-C	07/16/2000	RADIUM-226	0.92	0 23	PCI/G
SC-26744-C	07/16/2000	RADIUM-228	0 37	0 74	PCI/G
SC-26744-C	07/16/2000	THORIUM-230	0.99	0.62	PCI/G
SC-26744-C	07/16/2000	URANIUM-238	1.035	2 07	PCI/G
SC-26746-S	07/16/2000	RADIUM-226	0.7	0 22	PCI/G
SC-26746-S	07/16/2000	RADIUM-228	0.33	0 66	PCI/G
SC-26746-S	07/16/2000	THORIUM-230	0.96	0 64	PCI/G
SC-26746-S	07/16/2000	URANIUM-238	1 01	2 02	PCI/G
SC-26749-S	07/16/2000	RADIUM-226	0 6	0 23	PCI/G
SC-26749-S	07/16/2000	RADIUM-228	0 6	0 3	PCI/G
SC-26749-S	07/16/2000	THORIUM-230	1.68	0 64	PCI/G
SC-26749-S	07/16/2000	URANIUM-238	0.995	1 99	PCI/G
SC-26753-S	07/16/2000	RADIUM-226	0.82	0.28	PCI/G
SC-26753-S	07/16/2000	RADIUM-228	0.385	0 77	PCI/G
SC-26753-S	07/16/2000	THORIUM-230	1.39	0.65	PCI/G
SC-26753-S	07/16/2000	URANIUM-238	1 085	2 17	PCI/G
SC-26755-C	07/16/2000	RADIUM-226	0.92	0.26	PCI/G
SC-26755-C	07/16/2000	RADIUM-228	0 92	0.39	PCI/G
SC-26755-C	07/16/2000	THORIUM-230	1 08	0 62	PCI/G
SC-26755-C	07/16/2000	URANIUM-238	1 15	2 3	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26756-S	07/16/2000	RADIUM-226	0.26	0.52	PCI/G
SC-26756-S	07/16/2000	RADIUM-228	0.335	0.67	PCI/G
SC-26756-S	07/16/2000	THORIUM-230	1.02	0.64	PCI/G
SC-26756-S	07/16/2000	URANIUM-238	1.225	2.45	PCI/G
SC-26760-S	10/29/1999	PAH	240	20	UG/KG
SC-26760-S	10/29/1999	RADIUM-226	0.27	0.54	PCI/G
SC-26760-S	10/29/1999	RADIUM-228	1.12	0.56	PCI/G
SC-26760-S	10/29/1999	THORIUM-230	1.29	0.64	PCI/G
SC-26760-S	10/29/1999	URANIUM-238	1.2	2.4	PCI/G
SC-26762-S	10/29/1999	PAH	1200	180	UG/KG
SC-26762-S	10/29/1999	RADIUM-226	0.7	0.28	PCI/G
SC-26762-S	10/29/1999	RADIUM-228	0.67	0.42	PCI/G
SC-26762-S	10/29/1999	THORIUM-230	1.63	0.64	PCI/G
SC-26762-S	10/29/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26802-S	10/29/1999	PAH	700	18	UG/KG
SC-26802-S	10/29/1999	RADIUM-226	0.67	0.28	PCI/G
SC-26802-S	10/29/1999	RADIUM-228	0.46	0.92	PCI/G
SC-26802-S	10/29/1999	THORIUM-230	1.19	0.64	PCI/G
SC-26802-S	10/29/1999	URANIUM-238	1.285	2.57	PCI/G
SC-26804-S	11/02/1999	PAH	180	18	UG/KG
SC-26804-S	11/02/1999	RADIUM-226	0.8	0.26	PCI/G
SC-26804-S	11/02/1999	RADIUM-228	0.35	0.7	PCI/G
SC-26804-S	11/02/1999	THORIUM-230	1.65	0.65	PCI/G
SC-26804-S	11/02/1999	URANIUM-238	1.395	2.79	PCI/G
SC-26806-S	11/02/1999	PAH	0	18	UG/KG
SC-26806-S	11/02/1999	RADIUM-226	0.9	0.29	PCI/G
SC-26806-S	11/02/1999	RADIUM-228	0.465	0.93	PCI/G
SC-26806-S	11/02/1999	THORIUM-230	1.17	0.64	PCI/G
SC-26806-S	11/02/1999	URANIUM-238	1.26	2.52	PCI/G
SC-26808-S	11/02/1999	PAH	0	18	UG/KG
SC-26808-S	11/02/1999	RADIUM-226	1.04	0.29	PCI/G
SC-26808-S	11/02/1999	RADIUM-228	1.14	0.41	PCI/G
SC-26808-S	11/02/1999	THORIUM-230	1.35	0.62	PCI/G
SC-26808-S	11/02/1999	URANIUM-238	1.275	2.55	PCI/G
SC-26810-S	11/02/1999	PAH	18	16	UG/KG
SC-26810-S	11/02/1999	RADIUM-226	0.36	0.14	PCI/G
SC-26810-S	11/02/1999	RADIUM-228	0.155	0.31	PCI/G
SC-26810-S	11/02/1999	THORIUM-230	1.44	0.64	PCI/G
SC-26810-S	11/02/1999	URANIUM-238	0.53	1.06	PCI/G
SC-26812-S	11/02/1999	PAH	47	17	UG/KG
SC-26812-S	11/02/1999	RADIUM-226	0.55	0.24	PCI/G
SC-26812-S	11/02/1999	RADIUM-228	0.53	0.4	PCI/G
SC-26812-S	11/02/1999	THORIUM-230	1.15	0.65	PCI/G
SC-26812-S	11/02/1999	URANIUM-238	1.155	2.31	PCI/G
SC-26814-S	11/03/1999	RADIUM-226	0.43	0.27	PCI/G
SC-26814-S	11/03/1999	RADIUM-228	0.345	0.69	PCI/G
SC-26814-S	11/03/1999	THORIUM-230	1.4	0.64	PCI/G
SC-26814-S	11/03/1999	URANIUM-238	0.855	1.71	PCI/G
SC-26814-S-RS	11/09/1999	PAH	0	16	UG/KG
SC-26816-S	11/03/1999	RADIUM-226	0.64	0.28	PCI/G
SC-26816-S	11/03/1999	RADIUM-228	0.71	0.37	PCI/G
SC-26816-S	11/03/1999	THORIUM-230	1.06	0.64	PCI/G
SC-26816-S	11/03/1999	URANIUM-238	1.215	2.43	PCI/G
SC-26816-S-RS	11/09/1999	PAH	0	16	UG/KG
SC-26818-C	11/03/1999	RADIUM-226	0.44	0.18	PCI/G
SC-26818-C	11/03/1999	RADIUM-228	0.225	0.45	PCI/G
SC-26818-C	11/03/1999	THORIUM-230	0.96	0.65	PCI/G
SC-26818-C	11/03/1999	URANIUM-238	0.925	1.85	PCI/G
SC-26818-C-RS	11/09/1999	PAH	0	16	UG/KG
SC-26818-S	11/03/1999	RADIUM-226	0.28	0.56	PCI/G
SC-26818-S	11/03/1999	RADIUM-228	0.36	0.72	PCI/G
SC-26818-S	11/03/1999	THORIUM-230	0.79	0.64	PCI/G
SC-26818-S	11/03/1999	URANIUM-238	1.105	2.21	PCI/G
SC-26818-S-RS	11/09/1999	PAH	0	17	UG/KG
SC-26820-S	11/03/1999	RADIUM-226	0.84	0.25	PCI/G
SC-26820-S	11/03/1999	RADIUM-228	0.78	0.42	PCI/G
SC-26820-S	11/03/1999	THORIUM-230	1.51	0.62	PCI/G
SC-26820-S	11/03/1999	URANIUM-238	1.115	2.23	PCI/G
SC-26821-S	11/03/1999	RADIUM-226	0.23	0.46	PCI/G
SC-26821-S	11/03/1999	RADIUM-228	0.31	0.62	PCI/G
SC-26821-S	11/03/1999	THORIUM-230	1.12	0.64	PCI/G
SC-26821-S	11/03/1999	URANIUM-238	0.8	1.6	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26824-C	11/03/1999	RADIUM-226	0.195	0 39	PCI/G
SC-26824-C	11/03/1999	RADIUM-228	0.255	0 51	PCI/G
SC-26824-C	11/03/1999	THORIUM-230	0 74	0 65	PCI/G
SC-26824-C	11/03/1999	URANIUM-238	1.065	2 13	PCI/G
SC-26824-S	11/03/1999	RADIUM-226	0.78	0 3	PCI/G
SC-26824-S	11/03/1999	RADIUM-228	0.445	0.89	PCI/G
SC-26824-S	11/03/1999	THORIUM-230	1 2	0 64	PCI/G
SC-26824-S	11/03/1999	URANIUM-238	1.265	2 53	PCI/G
SC-26825-S	07/02/1999	RADIUM-226	0 31	0 62	PCI/G
SC-26825-S	07/02/1999	RADIUM-228	0 42	0 84	PCI/G
SC-26825-S	07/02/1999	THORIUM-230	1.53	0 65	PCI/G
SC-26825-S	07/02/1999	URANIUM-238	1.315	2 63	PCI/G
SC-26826-S	07/02/1999	RADIUM-226	0.81	0.29	PCI/G
SC-26826-S	07/02/1999	RADIUM-228	0 8	0.4	PCI/G
SC-26826-S	07/02/1999	THORIUM-230	1 54	0 62	PCI/G
SC-26826-S	07/02/1999	URANIUM-238	1 305	2 61	PCI/G
SC-26828-S	11/03/1999	RADIUM-226	0 63	0 25	PCI/G
SC-26828-S	11/03/1999	RADIUM-228	0 98	0 44	PCI/G
SC-26828-S	11/03/1999	THORIUM-230	0 92	0 62	PCI/G
SC-26828-S	11/03/1999	URANIUM-238	1 33	2 66	PCI/G
SC-26829-S	07/02/1999	RADIUM-226	0 8	0.27	PCI/G
SC-26829-S	07/02/1999	RADIUM-228	0.9	0 45	PCI/G
SC-26829-S	07/02/1999	THORIUM-230	1.86	0 64	PCI/G
SC-26829-S	07/02/1999	URANIUM-238	1 31	2 62	PCI/G
SC-26830-C	07/02/1999	RADIUM-226	0.84	0.29	PCI/G
SC-26830-C	07/02/1999	RADIUM-228	1 09	0 42	PCI/G
SC-26830-C	07/02/1999	THORIUM-230	1.59	0.62	PCI/G
SC-26830-C	07/02/1999	URANIUM-238	1.385	2 77	PCI/G
SC-26830-S	07/02/1999	RADIUM-226	0 75	0.31	PCI/G
SC-26830-S	07/02/1999	RADIUM-228	0 38	0 76	PCI/G
SC-26830-S	07/02/1999	THORIUM-230	1.56	0 65	PCI/G
SC-26830-S	07/02/1999	URANIUM-238	1 315	2 63	PCI/G
SC-26831-S	07/02/1999	RADIUM-226	0.82	0 24	PCI/G
SC-26831-S	07/02/1999	RADIUM-228	0 9	0 44	PCI/G
SC-26831-S	07/02/1999	THORIUM-230	1.34	0 62	PCI/G
SC-26831-S	07/02/1999	URANIUM-238	1 355	2 71	PCI/G
SC-26834-S	07/02/1999	RADIUM-226	0.73	0 36	PCI/G
SC-26834-S	07/02/1999	RADIUM-228	0 455	0 91	PCI/G
SC-26834-S	07/02/1999	THORIUM-230	1.35	0 65	PCI/G
SC-26834-S	07/02/1999	URANIUM-238	1 38	2 76	PCI/G
SC-26835-S	07/02/1999	RADIUM-226	0 78	0 31	PCI/G
SC-26835-S	07/02/1999	RADIUM-228	1 15	0 29	PCI/G
SC-26835-S	07/02/1999	THORIUM-230	1 53	0 62	PCI/G
SC-26835-S	07/02/1999	URANIUM-238	1 345	2.69	PCI/G
SC-26836-S	07/02/1999	RADIUM-226	0.335	0 67	PCI/G
SC-26836-S	07/02/1999	RADIUM-228	0 46	0 92	PCI/G
SC-26836-S	07/02/1999	THORIUM-230	1 68	0 64	PCI/G
SC-26836-S	07/02/1999	URANIUM-238	1 31	2 62	PCI/G
SC-26839-S	07/02/1999	RADIUM-226	0 89	0.25	PCI/G
SC-26839-S	07/02/1999	RADIUM-228	1 18	0 39	PCI/G
SC-26839-S	07/02/1999	THORIUM-230	1 31	0 62	PCI/G
SC-26839-S	07/02/1999	URANIUM-238	1.295	2.59	PCI/G
SC-26840-S	07/02/1999	RADIUM-226	0 9	0.35	PCI/G
SC-26840-S	07/02/1999	RADIUM-228	0 87	0.51	PCI/G
SC-26840-S	07/02/1999	THORIUM-230	1 55	0 65	PCI/G
SC-26840-S	07/02/1999	URANIUM-238	1 415	2.83	PCI/G
SC-26842-S	07/02/1999	RADIUM-226	0.69	0.31	PCI/G
SC-26842-S	07/02/1999	RADIUM-228	0.94	0.39	PCI/G
SC-26842-S	07/02/1999	THORIUM-230	1 6	0 62	PCI/G
SC-26842-S	07/02/1999	URANIUM-238	2 28	2 15	PCI/G
SC-26843-S	07/02/1999	RADIUM-226	0 85	0.27	PCI/G
SC-26843-S	07/02/1999	RADIUM-228	0.405	0.81	PCI/G
SC-26843-S	07/02/1999	THORIUM-230	1 86	0 64	PCI/G
SC-26843-S	07/02/1999	URANIUM-238	1.505	3 01	PCI/G
SC-26901-S	07/02/1999	RADIUM-226	0.59	0 33	PCI/G
SC-26901-S	07/02/1999	RADIUM-228	0 89	0 46	PCI/G
SC-26901-S	07/02/1999	THORIUM-230	1 5	0.62	PCI/G
SC-26901-S	07/02/1999	URANIUM-238	1.365	2 73	PCI/G
SC-26902-S	07/02/1999	RADIUM-226	0 79	0 36	PCI/G
SC-26902-S	07/02/1999	RADIUM-228	0.81	0 52	PCI/G
SC-26902-S	07/02/1999	THORIUM-230	1.16	0 65	PCI/G
SC-26902-S	07/02/1999	URANIUM-238	1 41	2 82	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26903-S	07/02/1999	RADIUM-226	0.88	0.3	PCI/G
SC-26903-S	07/02/1999	RADIUM-228	1.1	0.4	PCI/G
SC-26903-S	07/02/1999	THORIUM-230	1.27	0.62	PCI/G
SC-26903-S	07/02/1999	URANIUM-238	1.385	2.77	PCI/G
SC-26904-S	07/02/1999	RADIUM-226	0.53	0.27	PCI/G
SC-26904-S	07/02/1999	RADIUM-228	0.345	0.69	PCI/G
SC-26904-S	07/02/1999	THORIUM-230	1.45	0.64	PCI/G
SC-26904-S	07/02/1999	URANIUM-238	1.075	2.15	PCI/G
SC-26905-S	07/02/1999	RADIUM-226	0.78	0.28	PCI/G
SC-26905-S	07/02/1999	RADIUM-228	1.13	0.39	PCI/G
SC-26905-S	07/02/1999	THORIUM-230	1.84	0.62	PCI/G
SC-26905-S	07/02/1999	URANIUM-238	1.79	2.28	PCI/G
SC-26906-S	07/02/1999	RADIUM-226	0.77	0.35	PCI/G
SC-26906-S	07/02/1999	RADIUM-228	1.11	0.52	PCI/G
SC-26906-S	07/02/1999	THORIUM-230	0.99	0.65	PCI/G
SC-26906-S	07/02/1999	URANIUM-238	1.3	2.6	PCI/G
SC-26907-S	07/02/1999	RADIUM-226	0.86	0.33	PCI/G
SC-26907-S	07/02/1999	RADIUM-228	0.75	0.44	PCI/G
SC-26907-S	07/02/1999	THORIUM-230	1.24	0.62	PCI/G
SC-26907-S	07/02/1999	URANIUM-238	1.325	2.65	PCI/G
SC-26908-S	07/02/1999	RADIUM-226	0.9	0.29	PCI/G
SC-26908-S	07/02/1999	RADIUM-228	1.37	0.4	PCI/G
SC-26908-S	07/02/1999	THORIUM-230	1.38	0.64	PCI/G
SC-26908-S	07/02/1999	URANIUM-238	1.53	3.06	PCI/G
SC-26909-S	07/02/1999	RADIUM-226	0.81	0.24	PCI/G
SC-26909-S	07/02/1999	RADIUM-228	1.19	0.42	PCI/G
SC-26909-S	07/02/1999	THORIUM-230	1.52	0.62	PCI/G
SC-26909-S	07/02/1999	URANIUM-238	1.32	2.64	PCI/G
SC-26910-S	07/02/1999	RADIUM-226	0.83	0.31	PCI/G
SC-26910-S	07/02/1999	RADIUM-228	1.29	0.4	PCI/G
SC-26910-S	07/02/1999	THORIUM-230	1.45	0.64	PCI/G
SC-26910-S	07/02/1999	URANIUM-238	1.315	2.63	PCI/G
SC-26911-S	07/02/1999	RADIUM-226	0.87	0.31	PCI/G
SC-26911-S	07/02/1999	RADIUM-228	1.13	0.41	PCI/G
SC-26911-S	07/02/1999	THORIUM-230	1.13	0.62	PCI/G
SC-26911-S	07/02/1999	URANIUM-238	1.285	2.57	PCI/G
SC-26912-S	07/02/1999	RADIUM-226	0.87	0.35	PCI/G
SC-26912-S	07/02/1999	RADIUM-228	1.12	0.42	PCI/G
SC-26912-S	07/02/1999	THORIUM-230	1.59	0.65	PCI/G
SC-26912-S	07/02/1999	URANIUM-238	1.235	2.47	PCI/G
SC-26913-S	07/02/1999	RADIUM-226	0.78	0.31	PCI/G
SC-26913-S	07/02/1999	RADIUM-228	1.15	0.46	PCI/G
SC-26913-S	07/02/1999	THORIUM-230	0.98	0.62	PCI/G
SC-26913-S	07/02/1999	URANIUM-238	4.94	2.24	PCI/G
SC-26914-C	07/02/1999	RADIUM-226	0.285	0.57	PCI/G
SC-26914-C	07/02/1999	RADIUM-228	1.43	0.42	PCI/G
SC-26914-C	07/02/1999	THORIUM-230	2.01	0.64	PCI/G
SC-26914-C	07/02/1999	URANIUM-238	1.43	2.86	PCI/G
SC-26914-S	07/02/1999	RADIUM-226	0.79	0.3	PCI/G
SC-26914-S	07/02/1999	RADIUM-228	1	0.39	PCI/G
SC-26914-S	07/02/1999	THORIUM-230	1.75	0.62	PCI/G
SC-26914-S	07/02/1999	URANIUM-238	1.335	2.67	PCI/G
SC-26915-S	07/02/1999	RADIUM-226	0.33	0.66	PCI/G
SC-26915-S	07/02/1999	RADIUM-228	0.445	0.89	PCI/G
SC-26915-S	07/02/1999	THORIUM-230	1.62	0.65	PCI/G
SC-26915-S	07/02/1999	URANIUM-238	1.365	2.73	PCI/G
SC-26916-C	07/02/1999	RADIUM-226	0.7	0.31	PCI/G
SC-26916-C	07/02/1999	RADIUM-228	0.74	0.39	PCI/G
SC-26916-C	07/02/1999	THORIUM-230	1.29	0.62	PCI/G
SC-26916-C	07/02/1999	URANIUM-238	1.295	2.59	PCI/G
SC-26916-S	07/02/1999	RADIUM-226	1.06	0.32	PCI/G
SC-26916-S	07/02/1999	RADIUM-228	0.475	0.95	PCI/G
SC-26916-S	07/02/1999	THORIUM-230	1.7	0.78	PCI/G
SC-26916-S	07/02/1999	URANIUM-238	2.61	2.03	PCI/G
SC-26917-S	07/02/1999	RADIUM-226	0.75	0.27	PCI/G
SC-26917-S	07/02/1999	RADIUM-228	1.09	0.43	PCI/G
SC-26917-S	07/02/1999	THORIUM-230	1.12	0.62	PCI/G
SC-26917-S	07/02/1999	URANIUM-238	1.29	2.58	PCI/G
SC-26918-S	07/02/1999	RADIUM-226	1.05	0.31	PCI/G
SC-26918-S	07/02/1999	RADIUM-228	0.435	0.87	PCI/G
SC-26918-S	07/02/1999	THORIUM-230	1.5	0.65	PCI/G
SC-26918-S	07/02/1999	URANIUM-238	1.43	2.86	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-26919-S	07/02/1999	RADIUM-226	0.92	0 26	PCI/G
SC-26919-S	07/02/1999	RADIUM-228	1 22	0 5	PCI/G
SC-26919-S	07/02/1999	THORIUM-230	0 99	0.62	PCI/G
SC-26919-S	07/02/1999	URANIUM-238	1.325	2.65	PCI/G
SC-26920-S	07/02/1999	RADIUM-226	0 32	0 64	PCI/G
SC-26920-S	07/02/1999	RADIUM-228	1.21	0 48	PCI/G
SC-26920-S	07/02/1999	THORIUM-230	1 3	0 64	PCI/G
SC-26920-S	07/02/1999	URANIUM-238	1.26	2 52	PCI/G
SC-26924-S	07/02/1999	RADIUM-226	0.83	0 31	PCI/G
SC-26924-S	07/02/1999	RADIUM-228	0 62	0 42	PCI/G
SC-26924-S	07/02/1999	THORIUM-230	1 77	0 62	PCI/G
SC-26924-S	07/02/1999	URANIUM-238	1.355	2 71	PCI/G
SC-26925-S	07/02/1999	RADIUM-226	0 92	0.3	PCI/G
SC-26925-S	07/02/1999	RADIUM-228	0.88	0 58	PCI/G
SC-26925-S	07/02/1999	THORIUM-230	1.77	0 62	PCI/G
SC-26925-S	07/02/1999	URANIUM-238	1.215	2 43	PCI/G
SC-26928-C	07/02/1999	RADIUM-226	0.87	0 31	PCI/G
SC-26928-C	07/02/1999	RADIUM-228	0.86	0 38	PCI/G
SC-26928-C	07/02/1999	THORIUM-230	1.29	0 62	PCI/G
SC-26928-C	07/02/1999	URANIUM-238	1.25	2 5	PCI/G
SC-27001-S	07/02/1999	RADIUM-226	0.58	0 38	PCI/G
SC-27001-S	07/02/1999	RADIUM-228	0.49	0.98	PCI/G
SC-27001-S	07/02/1999	THORIUM-230	1.33	0.65	PCI/G
SC-27001-S	07/02/1999	URANIUM-238	1 325	2.65	PCI/G
SC-27002-S	07/02/1999	RADIUM-226	0.93	0 31	PCI/G
SC-27002-S	07/02/1999	RADIUM-228	1 02	0 44	PCI/G
SC-27002-S	07/02/1999	THORIUM-230	2 16	0 62	PCI/G
SC-27002-S	07/02/1999	URANIUM-238	1 34	2 68	PCI/G
SC-27002-S-01	09/30/1999	PAH	0	18	UG/KG
SC-27002-S-01	09/30/1999	RADIUM-226	1 02	0.34	PCI/G
SC-27002-S-01	09/30/1999	RADIUM-228	0 49	0 98	PCI/G
SC-27002-S-01	09/30/1999	THORIUM-230	1 09	0.64	PCI/G
SC-27002-S-01	09/30/1999	URANIUM-238	1 395	2.79	PCI/G
SC-27003-S	07/02/1999	RADIUM-226	0 89	0 34	PCI/G
SC-27003-S	07/02/1999	RADIUM-228	0 46	0 92	PCI/G
SC-27003-S	07/02/1999	THORIUM-230	1.5	0 64	PCI/G
SC-27003-S	07/02/1999	URANIUM-238	1 44	2 88	PCI/G
SC-27003-S-01	09/30/1999	PAH	0	18	UG/KG
SC-27003-S-01	09/30/1999	RADIUM-226	1 1	0.31	PCI/G
SC-27003-S-01	09/30/1999	RADIUM-228	0 99	0.44	PCI/G
SC-27003-S-01	09/30/1999	THORIUM-230	1 27	0 62	PCI/G
SC-27003-S-01	09/30/1999	URANIUM-238	1.305	2 61	PCI/G
SC-27004-S	07/02/1999	RADIUM-226	0.84	0 29	PCI/G
SC-27004-S	07/02/1999	RADIUM-228	0 84	0 42	PCI/G
SC-27004-S	07/02/1999	THORIUM-230	1 15	0 62	PCI/G
SC-27004-S	07/02/1999	URANIUM-238	1 32	2 64	PCI/G
SC-27004-S-01	09/30/1999	PAH	0	18	UG/KG
SC-27004-S-01	09/30/1999	RADIUM-226	0.8	0 33	PCI/G
SC-27004-S-01	09/30/1999	RADIUM-228	0 45	0.9	PCI/G
SC-27004-S-01	09/30/1999	THORIUM-230	1 21	0 62	PCI/G
SC-27004-S-01	09/30/1999	URANIUM-238	1.3	2 6	PCI/G
SC-27005-S	07/02/1999	RADIUM-226	0.7	0 33	PCI/G
SC-27005-S	07/02/1999	RADIUM-228	0.47	0 94	PCI/G
SC-27005-S	07/02/1999	THORIUM-230	4.81	0.65	PCI/G
SC-27005-S	07/02/1999	URANIUM-238	1 35	2.7	PCI/G
SC-27006-S	07/02/1999	RADIUM-226	0.71	0 29	PCI/G
SC-27006-S	07/02/1999	RADIUM-228	1 12	0 41	PCI/G
SC-27006-S	07/02/1999	THORIUM-230	1 82	0.62	PCI/G
SC-27006-S	07/02/1999	URANIUM-238	1 32	2.64	PCI/G
SC-27007-S	07/02/1999	RADIUM-226	1 04	0.32	PCI/G
SC-27007-S	07/02/1999	RADIUM-228	0 475	0.95	PCI/G
SC-27007-S	07/02/1999	THORIUM-230	2 9	0 65	PCI/G
SC-27007-S	07/02/1999	URANIUM-238	1.25	2 5	PCI/G
SC-27008-C	07/02/1999	RADIUM-226	0 66	0 3	PCI/G
SC-27008-C	07/02/1999	RADIUM-228	0.9	0.44	PCI/G
SC-27008-C	07/02/1999	THORIUM-230	1 71	0.62	PCI/G
SC-27008-C	07/02/1999	URANIUM-238	1 305	2 61	PCI/G
SC-27008-S	07/02/1999	RADIUM-226	0 84	0.28	PCI/G
SC-27008-S	07/02/1999	RADIUM-228	1 19	0 5	PCI/G
SC-27008-S	07/02/1999	THORIUM-230	1 14	0 64	PCI/G
SC-27008-S	07/02/1999	URANIUM-238	1 31	2 62	PCI/G
SC-27009-S	07/02/1999	RADIUM-226	0 88	0 32	PCI/G

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-27009-S	07/02/1999	RADIUM-228	1.03	0.48	PCI/G
SC-27009-S	07/02/1999	THORIUM-230	5.23	0.62	PCI/G
SC-27009-S	07/02/1999	URANIUM-238	1.36	2.72	PCI/G
SC-27010-C	07/02/1999	RADIUM-226	0.29	0.58	PCI/G
SC-27010-C	07/02/1999	RADIUM-228	0.445	0.89	PCI/G
SC-27010-C	07/02/1999	THORIUM-230	3.24	0.65	PCI/G
SC-27010-C	07/02/1999	URANIUM-238	1.24	2.48	PCI/G
SC-27010-S	07/02/1999	RADIUM-226	0.91	0.3	PCI/G
SC-27010-S	07/02/1999	RADIUM-228	1.2	0.36	PCI/G
SC-27010-S	07/02/1999	THORIUM-230	10.6	0.62	PCI/G
SC-27010-S	07/02/1999	URANIUM-238	1.355	2.71	PCI/G
SC-27010-S-RS	07/09/1999	THORIUM-230	0.98	0.64	PCI/G
SC-27011-S	07/02/1999	RADIUM-226	0.305	0.61	PCI/G
SC-27011-S	07/02/1999	RADIUM-228	0.445	0.89	PCI/G
SC-27011-S	07/02/1999	THORIUM-230	3.23	0.64	PCI/G
SC-27011-S	07/02/1999	URANIUM-238	1.35	2.7	PCI/G
SC-27012-S	07/02/1999	RADIUM-226	0.54	0.27	PCI/G
SC-27012-S	07/02/1999	RADIUM-228	1.11	0.39	PCI/G
SC-27012-S	07/02/1999	THORIUM-230	6.19	0.62	PCI/G
SC-27012-S	07/02/1999	URANIUM-238	1.285	2.57	PCI/G
SC-27013-S	07/02/1999	RADIUM-226	0.71	0.3	PCI/G
SC-27013-S	07/02/1999	RADIUM-228	0.49	0.98	PCI/G
SC-27013-S	07/02/1999	THORIUM-230	1.29	0.65	PCI/G
SC-27013-S	07/02/1999	URANIUM-238	1.37	2.74	PCI/G
SC-27014-S	07/02/1999	RADIUM-226	0.69	0.26	PCI/G
SC-27014-S	07/02/1999	RADIUM-228	1.22	0.45	PCI/G
SC-27014-S	07/02/1999	THORIUM-230	1.28	0.62	PCI/G
SC-27014-S	07/02/1999	URANIUM-238	1.31	2.62	PCI/G
SC-27015-S	07/02/1999	RADIUM-226	0.69	0.35	PCI/G
SC-27015-S	07/02/1999	RADIUM-228	0.435	0.87	PCI/G
SC-27015-S	07/02/1999	THORIUM-230	6.23	0.64	PCI/G
SC-27015-S	07/02/1999	URANIUM-238	1.24	2.48	PCI/G
SC-27015-S-RS	07/09/1999	THORIUM-230	1	0.62	PCI/G
SC-27016-S	07/02/1999	RADIUM-226	0.81	0.3	PCI/G
SC-27016-S	07/02/1999	RADIUM-228	0.75	0.45	PCI/G
SC-27016-S	07/02/1999	THORIUM-230	3.12	0.62	PCI/G
SC-27016-S	07/02/1999	URANIUM-238	1.34	2.68	PCI/G
SC-27017-S	07/02/1999	RADIUM-226	0.69	0.29	PCI/G
SC-27017-S	07/02/1999	RADIUM-228	0.485	0.97	PCI/G
SC-27017-S	07/02/1999	THORIUM-230	2.7	0.65	PCI/G
SC-27017-S	07/02/1999	URANIUM-238	1.365	2.73	PCI/G
SC-27018-S	07/02/1999	RADIUM-226	0.81	0.31	PCI/G
SC-27018-S	07/02/1999	RADIUM-228	1.2	0.43	PCI/G
SC-27018-S	07/02/1999	THORIUM-230	2.81	0.62	PCI/G
SC-27018-S	07/02/1999	URANIUM-238	1.29	2.58	PCI/G
SC-27019-S	07/02/1999	RADIUM-226	0.6	0.36	PCI/G
SC-27019-S	07/02/1999	RADIUM-228	0.46	0.92	PCI/G
SC-27019-S	07/02/1999	THORIUM-230	2.43	0.64	PCI/G
SC-27019-S	07/02/1999	URANIUM-238	1.365	2.73	PCI/G
SC-27020-S	07/02/1999	RADIUM-226	0.84	0.27	PCI/G
SC-27020-S	07/02/1999	RADIUM-228	1.2	0.39	PCI/G
SC-27020-S	07/02/1999	THORIUM-230	1.87	0.62	PCI/G
SC-27020-S	07/02/1999	URANIUM-238	1.32	2.64	PCI/G
SC-27023-S	07/02/1999	RADIUM-226	0.32	0.64	PCI/G
SC-27023-S	07/02/1999	RADIUM-228	0.445	0.89	PCI/G
SC-27023-S	07/02/1999	THORIUM-230	2.48	0.65	PCI/G
SC-27023-S	07/02/1999	URANIUM-238	1.455	2.91	PCI/G
SC-27024-S	07/02/1999	RADIUM-226	0.73	0.31	PCI/G
SC-27024-S	07/02/1999	RADIUM-228	1	0.45	PCI/G
SC-27024-S	07/02/1999	THORIUM-230	2.46	0.62	PCI/G
SC-27024-S	07/02/1999	URANIUM-238	1.26	2.52	PCI/G
SC-27103-C	10/26/1999	RADIUM-226	1	0.34	PCI/G
SC-27103-C	10/26/1999	RADIUM-228	0.5	1	PCI/G
SC-27103-C	10/26/1999	THORIUM-230	1.06	0.64	PCI/G
SC-27103-C	10/26/1999	URANIUM-238	1.275	2.55	PCI/G
SC-27104-S	10/26/1999	RADIUM-226	0.89	0.3	PCI/G
SC-27104-S	10/26/1999	RADIUM-228	0.99	0.37	PCI/G
SC-27104-S	10/26/1999	THORIUM-230	0.96	0.64	PCI/G
SC-27104-S	10/26/1999	URANIUM-238	1.375	2.75	PCI/G
SC-27105-C	10/26/1999	RADIUM-226	1.03	0.32	PCI/G
SC-27105-C	10/26/1999	RADIUM-228	0.495	0.99	PCI/G
SC-27105-C	10/26/1999	THORIUM-230	1.77	0.64	PCI/G

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-27105-C	10/26/1999	URANIUM-238	1.365	2 73	PCI/G
SC-27110-S	07/02/1999	RADIUM-226	0.93	0.34	PCI/G
SC-27110-S	07/02/1999	RADIUM-228	0.475	0.95	PCI/G
SC-27110-S	07/02/1999	THORIUM-230	2.54	0 64	PCI/G
SC-27110-S	07/02/1999	URANIUM-238	1.235	2 47	PCI/G
SC-27110-S-01	09/30/1999	PAH	0	17	UG/KG
SC-27110-S-01	09/30/1999	RADIUM-226	1.08	0 33	PCI/G
SC-27110-S-01	09/30/1999	RADIUM-228	1.29	0 43	PCI/G
SC-27110-S-01	09/30/1999	THORIUM-230	1.24	0.62	PCI/G
SC-27110-S-01	09/30/1999	URANIUM-238	1.365	2.73	PCI/G
SC-27112-C	10/26/1999	RADIUM-226	1.08	0.31	PCI/G
SC-27112-C	10/26/1999	RADIUM-228	1.2	0.5	PCI/G
SC-27112-C	10/26/1999	THORIUM-230	1 11	0.64	PCI/G
SC-27112-C	10/26/1999	URANIUM-238	1 31	2 62	PCI/G
SC-27112-S	10/26/1999	RADIUM-226	0 78	0 31	PCI/G
SC-27112-S	10/26/1999	RADIUM-228	0 45	0 9	PCI/G
SC-27112-S	10/26/1999	THORIUM-230	0 89	0.64	PCI/G
SC-27112-S	10/26/1999	URANIUM-238	1 33	2 66	PCI/G
SC-27113-S	07/02/1999	RADIUM-226	0 69	0 33	PCI/G
SC-27113-S	07/02/1999	RADIUM-228	1 32	0 4	PCI/G
SC-27113-S	07/02/1999	THORIUM-230	2 67	0 62	PCI/G
SC-27113-S	07/02/1999	URANIUM-238	2 16	2 19	PCI/G
SC-27114-S	07/02/1999	RADIUM-226	0.83	0 3	PCI/G
SC-27114-S	07/02/1999	RADIUM-228	0.445	0.89	PCI/G
SC-27114-S	07/02/1999	THORIUM-230	1 61	0 65	PCI/G
SC-27114-S	07/02/1999	URANIUM-238	1.34	2 68	PCI/G
SC-27115-S	07/02/1999	RADIUM-226	0.88	0 27	PCI/G
SC-27115-S	07/02/1999	RADIUM-228	1 03	0 4	PCI/G
SC-27115-S	07/02/1999	THORIUM-230	2 1	0.62	PCI/G
SC-27115-S	07/02/1999	URANIUM-238	1 29	2 58	PCI/G
SC-27116-S	11/05/1999	RADIUM-226	0 75	0 31	PCI/G
SC-27116-S	11/05/1999	RADIUM-228	0 465	0 93	PCI/G
SC-27116-S	11/05/1999	THORIUM-230	0.78	0 62	PCI/G
SC-27116-S	11/05/1999	URANIUM-238	1.19	2.38	PCI/G
SC-27118-S	07/02/1999	RADIUM-226	0 77	0 27	PCI/G
SC-27118-S	07/02/1999	RADIUM-228	0 49	0.98	PCI/G
SC-27118-S	07/02/1999	THORIUM-230	2 82	0 64	PCI/G
SC-27118-S	07/02/1999	URANIUM-238	1 095	2 19	PCI/G
SC-27119-S	07/02/1999	RADIUM-226	0 82	0 28	PCI/G
SC-27119-S	07/02/1999	RADIUM-228	0 97	0 42	PCI/G
SC-27119-S	07/02/1999	THORIUM-230	4 29	0 62	PCI/G
SC-27119-S	07/02/1999	URANIUM-238	1.325	2 65	PCI/G
SC-27120-S	07/02/1999	RADIUM-226	0.305	0 61	PCI/G
SC-27120-S	07/02/1999	RADIUM-228	0 395	0 79	PCI/G
SC-27120-S	07/02/1999	THORIUM-230	3 76	0 65	PCI/G
SC-27120-S	07/02/1999	URANIUM-238	2 67	2 53	PCI/G
SC-27121-S	07/02/1999	RADIUM-226	0 69	0.29	PCI/G
SC-27121-S	07/02/1999	RADIUM-228	0 94	0.33	PCI/G
SC-27121-S	07/02/1999	THORIUM-230	2 08	0.62	PCI/G
SC-27121-S	07/02/1999	URANIUM-238	1 29	2.58	PCI/G
SC-27122-S	07/02/1999	RADIUM-226	0 75	0 33	PCI/G
SC-27122-S	07/02/1999	RADIUM-228	0.465	0 93	PCI/G
SC-27122-S	07/02/1999	THORIUM-230	2 47	0 64	PCI/G
SC-27122-S	07/02/1999	URANIUM-238	1 3	2 6	PCI/G
SC-27123-S	07/02/1999	RADIUM-226	0 91	0 3	PCI/G
SC-27123-S	07/02/1999	RADIUM-228	1.05	0 37	PCI/G
SC-27123-S	07/02/1999	THORIUM-230	2 03	0 62	PCI/G
SC-27123-S	07/02/1999	URANIUM-238	1.305	2.61	PCI/G
SC-27124-S	07/02/1999	RADIUM-226	0 88	0 31	PCI/G
SC-27124-S	07/02/1999	RADIUM-228	0 415	0 83	PCI/G
SC-27124-S	07/02/1999	THORIUM-230	2 27	0.65	PCI/G
SC-27124-S	07/02/1999	URANIUM-238	1.235	2 47	PCI/G
SC-27126-S	07/02/1999	RADIUM-226	0.86	0.29	PCI/G
SC-27126-S	07/02/1999	RADIUM-228	0.83	0.45	PCI/G
SC-27126-S	07/02/1999	THORIUM-230	1.9	0.62	PCI/G
SC-27126-S	07/02/1999	URANIUM-238	1 285	2 57	PCI/G
SC-27127-S	07/02/1999	RADIUM-226	0 97	0 29	PCI/G
SC-27127-S	07/02/1999	RADIUM-228	0.515	1 03	PCI/G
SC-27127-S	07/02/1999	THORIUM-230	2.55	0 65	PCI/G
SC-27127-S	07/02/1999	URANIUM-238	1 215	2 43	PCI/G
SC-27128-S	07/02/1999	RADIUM-226	0 95	0 27	PCI/G
SC-27128-S	07/02/1999	RADIUM-228	1 1	0 38	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-27128-S	07/02/1999	THORIUM-230	2.39	0.62	PCI/G
SC-27128-S	07/02/1999	URANIUM-238	1.31	2.62	PCI/G
SC-27129-S	07/19/1999	RADIUM-226	0.91	0.31	PCI/G
SC-27129-S	07/19/1999	RADIUM-228	0.445	0.89	PCI/G
SC-27129-S	07/19/1999	THORIUM-230	0.94	0.64	PCI/G
SC-27129-S	07/19/1999	URANIUM-238	1.34	2.68	PCI/G
SC-27130-S	07/19/1999	RADIUM-226	0.87	0.26	PCI/G
SC-27130-S	07/19/1999	RADIUM-228	1.08	0.45	PCI/G
SC-27130-S	07/19/1999	THORIUM-230	0.81	0.66	PCI/G
SC-27130-S	07/19/1999	URANIUM-238	1.255	2.51	PCI/G
SC-27132-C	07/02/1999	RADIUM-226	0.97	0.28	PCI/G
SC-27132-C	07/02/1999	RADIUM-228	1.3	0.52	PCI/G
SC-27132-C	07/02/1999	THORIUM-230	1.88	0.64	PCI/G
SC-27132-C	07/02/1999	URANIUM-238	1.31	2.62	PCI/G
SC-27133-C	07/19/1999	RADIUM-226	0.7	0.32	PCI/G
SC-27133-C	07/19/1999	RADIUM-228	0.43	0.86	PCI/G
SC-27133-C	07/19/1999	THORIUM-230	1.33	0.64	PCI/G
SC-27133-C	07/19/1999	URANIUM-238	1.29	2.58	PCI/G
SC-39101-C	10/29/1999	PAH	2200	170	UG/KG
SC-39101-C	10/29/1999	RADIUM-226	0.78	0.28	PCI/G
SC-39101-C	10/29/1999	RADIUM-228	1.19	0.42	PCI/G
SC-39101-C	10/29/1999	THORIUM-230	0.94	0.64	PCI/G
SC-39101-C	10/29/1999	URANIUM-238	1.32	2.64	PCI/G
SC-39101-S	10/29/1999	PAH	1900	180	UG/KG
SC-39101-S	10/29/1999	RADIUM-226	0.87	0.31	PCI/G
SC-39101-S	10/29/1999	RADIUM-228	0.475	0.95	PCI/G
SC-39101-S	10/29/1999	THORIUM-230	0.9	0.64	PCI/G
SC-39101-S	10/29/1999	URANIUM-238	1.395	2.79	PCI/G
SC-39102-C	10/29/1999	PAH	190	18	UG/KG
SC-39102-C	10/29/1999	RADIUM-226	0.68	0.32	PCI/G
SC-39102-C	10/29/1999	RADIUM-228	0.9	0.46	PCI/G
SC-39102-C	10/29/1999	THORIUM-230	1.14	0.64	PCI/G
SC-39102-C	10/29/1999	URANIUM-238	1.28	2.56	PCI/G
SC-39102-S	10/29/1999	PAH	0	18	UG/KG
SC-39102-S	10/29/1999	RADIUM-226	0.88	0.3	PCI/G
SC-39102-S	10/29/1999	RADIUM-228	0.425	0.85	PCI/G
SC-39102-S	10/29/1999	THORIUM-230	0.96	0.64	PCI/G
SC-39102-S	10/29/1999	URANIUM-238	1.285	2.57	PCI/G
SC-39103-C	11/02/1999	PAH	860	170	UG/KG
SC-39103-C	11/02/1999	RADIUM-226	0.78	0.32	PCI/G
SC-39103-C	11/02/1999	RADIUM-228	0.48	0.96	PCI/G
SC-39103-C	11/02/1999	THORIUM-230	1.54	0.62	PCI/G
SC-39103-C	11/02/1999	URANIUM-238	1.285	2.57	PCI/G
SC-39103-S	10/06/1999	PAH	0	18	UG/KG
SC-39103-S	10/06/1999	RADIUM-226	1.05	0.36	PCI/G
SC-39103-S	10/06/1999	RADIUM-228	0.445	0.89	PCI/G
SC-39103-S	10/06/1999	THORIUM-230	0.98	0.64	PCI/G
SC-39103-S	10/06/1999	URANIUM-238	1.355	2.71	PCI/G
SC-39104-C	11/02/1999	PAH	0	18	UG/KG
SC-39104-C	11/02/1999	RADIUM-226	0.91	0.34	PCI/G
SC-39104-C	11/02/1999	RADIUM-228	0.83	0.44	PCI/G
SC-39104-C	11/02/1999	THORIUM-230	0.76	0.64	PCI/G
SC-39104-C	11/02/1999	URANIUM-238	1.29	2.58	PCI/G
SC-39104-S	10/29/1999	PAH	370	19	UG/KG
SC-39104-S	10/29/1999	RADIUM-226	0.59	0.29	PCI/G
SC-39104-S	10/29/1999	RADIUM-228	0.96	0.43	PCI/G
SC-39104-S	10/29/1999	THORIUM-230	1.19	0.64	PCI/G
SC-39104-S	10/29/1999	URANIUM-238	1.265	2.53	PCI/G
SC-39105-C	10/12/1999	PAH	130	19	UG/KG
SC-39105-C	10/12/1999	RADIUM-226	0.315	0.63	PCI/G
SC-39105-C	10/12/1999	RADIUM-228	0.425	0.85	PCI/G
SC-39105-C	10/12/1999	THORIUM-230	1.48	0.65	PCI/G
SC-39105-C	10/12/1999	URANIUM-238	1.38	2.76	PCI/G
SC-39105-S	10/29/1999	PAH	140	18	UG/KG
SC-39105-S	10/29/1999	RADIUM-226	1.08	0.34	PCI/G
SC-39105-S	10/29/1999	RADIUM-228	0.405	0.81	PCI/G
SC-39105-S	10/29/1999	THORIUM-230	16.4	0.64	PCI/G
SC-39105-S	10/29/1999	URANIUM-238	1.505	3.01	PCI/G
SC-39105-S-HSO1	11/04/1999	THORIUM-230	1.45	0.65	PCI/G
SC-39105-S-HSO2	11/04/1999	THORIUM-230	0.78	0.64	PCI/G
SC-39105-S-HSO3	11/04/1999	THORIUM-230	2.52	0.62	PCI/G
SC-39105-S-HSO4	11/04/1999	THORIUM-230	2.69	0.64	PCI/G

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SC-39106-C	10/12/1999	PAH	87	19	UG/KG
SC-39106-C	10/12/1999	RADIUM-226	0.67	0 31	PCI/G
SC-39106-C	10/12/1999	RADIUM-228	0 93	0 41	PCI/G
SC-39106-C	10/12/1999	THORIUM-230	1.34	0 64	PCI/G
SC-39106-C	10/12/1999	URANIUM-238	1.295	2.59	PCI/G
SC-39106-S	10/06/1999	PAH	0	17	UG/KG
SC-39106-S	10/06/1999	RADIUM-226	0 91	0.27	PCI/G
SC-39106-S	10/06/1999	RADIUM-228	0.355	0 71	PCI/G
SC-39106-S	10/06/1999	THORIUM-230	0.85	0.64	PCI/G
SC-39106-S	10/06/1999	URANIUM-238	1.245	2 49	PCI/G
SC-39107-C	10/12/1999	PAH	1200	93	UG/KG
SC-39107-C	10/12/1999	RADIUM-226	0.65	0.39	PCI/G
SC-39107-C	10/12/1999	RADIUM-228	0.445	0.89	PCI/G
SC-39107-C	10/12/1999	THORIUM-230	1.13	0.65	PCI/G
SC-39107-C	10/12/1999	URANIUM-238	1.265	2 53	PCI/G
SC-39107-S	10/29/1999	PAH	340	18	UG/KG
SC-39107-S	10/29/1999	RADIUM-226	0 73	0.29	PCI/G
SC-39107-S	10/29/1999	RADIUM-228	1 02	0.41	PCI/G
SC-39107-S	10/29/1999	THORIUM-230	1.34	0.64	PCI/G
SC-39107-S	10/29/1999	URANIUM-238	1 31	2 62	PCI/G
SC-39108-S	10/06/1999	PAH	190	18	UG/KG
SC-39108-S	10/06/1999	RADIUM-226	0.83	0.35	PCI/G
SC-39108-S	10/06/1999	RADIUM-228	0.98	0 57	PCI/G
SC-39108-S	10/06/1999	THORIUM-230	1.24	0 62	PCI/G
SC-39108-S	10/06/1999	URANIUM-238	1.315	2.63	PCI/G
SC-39109-S	10/29/1999	PAH	820	18	UG/KG
SC-39109-S	10/29/1999	RADIUM-226	0.76	0 31	PCI/G
SC-39109-S	10/29/1999	RADIUM-228	0.455	0 91	PCI/G
SC-39109-S	10/29/1999	THORIUM-230	0.95	0.64	PCI/G
SC-39109-S	10/29/1999	URANIUM-238	1.475	2.95	PCI/G
SC-39110-S	10/06/1999	PAH	790	18	UG/KG
SC-39110-S	10/06/1999	RADIUM-226	0 86	0.29	PCI/G
SC-39110-S	10/06/1999	RADIUM-228	1.24	0 38	PCI/G
SC-39110-S	10/06/1999	THORIUM-230	0.93	0 64	PCI/G
SC-39110-S	10/06/1999	URANIUM-238	1.275	2.55	PCI/G
SC-39111-S	10/12/1999	PAH	250	18	UG/KG
SC-39111-S	10/12/1999	RADIUM-226	0.61	0 31	PCI/G
SC-39111-S	10/12/1999	RADIUM-228	1.12	0 5	PCI/G
SC-39111-S	10/12/1999	THORIUM-230	1.1	0 62	PCI/G
SC-39111-S	10/12/1999	URANIUM-238	1.31	2 62	PCI/G
SC-39112-S	10/06/1999	PAH	110	18	UG/KG
SC-39112-S	10/06/1999	RADIUM-226	0.79	0 29	PCI/G
SC-39112-S	10/06/1999	RADIUM-228	0 49	0 98	PCI/G
SC-39112-S	10/06/1999	THORIUM-230	0.9	0.62	PCI/G
SC-39112-S	10/06/1999	URANIUM-238	1 265	2.53	PCI/G
SC-39113-S	10/12/1999	PAH	480	18	UG/KG
SC-39113-S	10/12/1999	RADIUM-226	0 77	0.28	PCI/G
SC-39113-S	10/12/1999	RADIUM-228	0 78	0.49	PCI/G
SC-39113-S	10/12/1999	THORIUM-230	1 31	0 65	PCI/G
SC-39113-S	10/12/1999	URANIUM-238	1.265	2 53	PCI/G
SC-39114-S	10/06/1999	PAH	0	18	UG/KG
SC-39114-S	10/06/1999	RADIUM-226	0 73	0.31	PCI/G
SC-39114-S	10/06/1999	RADIUM-228	1.18	0 41	PCI/G
SC-39114-S	10/06/1999	THORIUM-230	0.87	0 64	PCI/G
SC-39114-S	10/06/1999	URANIUM-238	1.31	2 62	PCI/G
SC-39115-S	10/12/1999	PAH	0	19	UG/KG
SC-39115-S	10/12/1999	RADIUM-226	0 91	0.31	PCI/G
SC-39115-S	10/12/1999	RADIUM-228	1.07	0.4	PCI/G
SC-39115-S	10/12/1999	THORIUM-230	1 17	0.64	PCI/G
SC-39115-S	10/12/1999	URANIUM-238	1 305	2.61	PCI/G
SC-39116-S	10/06/1999	PAH	0	18	UG/KG
SC-39116-S	10/06/1999	RADIUM-226	0.81	0.28	PCI/G
SC-39116-S	10/06/1999	RADIUM-228	1 21	0 61	PCI/G
SC-39116-S	10/06/1999	THORIUM-230	1.23	0 64	PCI/G
SC-39116-S	10/06/1999	URANIUM-238	1.33	2.66	PCI/G
SC-39117-S	10/12/1999	PAH	0	18	UG/KG
SC-39117-S	10/12/1999	RADIUM-226	0 79	0.31	PCI/G
SC-39117-S	10/12/1999	RADIUM-228	1.09	0.53	PCI/G
SC-39117-S	10/12/1999	THORIUM-230	1	0.65	PCI/G
SC-39117-S	10/12/1999	URANIUM-238	1 43	2 86	PCI/G
SC-39118-S	10/06/1999	PAH	0	18	UG/KG
SC-39118-S	10/06/1999	RADIUM-226	0 8	0 28	PCI/G

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SC-39118-S	10/06/1999	RADIUM-228	1	0.45	PCI/G
SC-39118-S	10/06/1999	THORIUM-230	0.94	0.64	PCI/G
SC-39118-S	10/06/1999	URANIUM-238	1.275	2.55	PCI/G
SC-39119-S	10/12/1999	PAH	0	19	UG/KG
SC-39119-S	10/12/1999	RADIUM-226	0.83	0.27	PCI/G
SC-39119-S	10/12/1999	RADIUM-228	1.05	0.4	PCI/G
SC-39119-S	10/12/1999	THORIUM-230	1.45	0.62	PCI/G
SC-39119-S	10/12/1999	URANIUM-238	1.265	2.53	PCI/G
SC-39120-S	10/06/1999	PAH	750	18	UG/KG
SC-39120-S	10/06/1999	RADIUM-226	0.305	0.61	PCI/G
SC-39120-S	10/06/1999	RADIUM-228	0.505	1.01	PCI/G
SC-39120-S	10/06/1999	THORIUM-230	1	0.62	PCI/G
SC-39120-S	10/06/1999	URANIUM-238	1.105	2.21	PCI/G
SC-39121-S	10/12/1999	PAH	0	18	UG/KG
SC-39121-S	10/12/1999	RADIUM-226	1.03	0.31	PCI/G
SC-39121-S	10/12/1999	RADIUM-228	0.485	0.97	PCI/G
SC-39121-S	10/12/1999	THORIUM-230	1.11	0.65	PCI/G
SC-39121-S	10/12/1999	URANIUM-238	1.325	2.65	PCI/G
SC-39122-S	10/06/1999	PAH	340	18	UG/KG
SC-39122-S	10/06/1999	RADIUM-226	0.88	0.31	PCI/G
SC-39122-S	10/06/1999	RADIUM-228	1.33	0.43	PCI/G
SC-39122-S	10/06/1999	THORIUM-230	1.24	0.64	PCI/G
SC-39122-S	10/06/1999	URANIUM-238	1.335	2.67	PCI/G
SC-39123-S	10/12/1999	PAH	0	18	UG/KG
SC-39123-S	10/12/1999	RADIUM-226	0.73	0.34	PCI/G
SC-39123-S	10/12/1999	RADIUM-228	0.83	0.46	PCI/G
SC-39123-S	10/12/1999	THORIUM-230	1.14	0.64	PCI/G
SC-39123-S	10/12/1999	URANIUM-238	1.365	2.73	PCI/G
SC-39124-S	10/06/1999	PAH	130	18	UG/KG
SC-39124-S	10/06/1999	RADIUM-226	0.95	0.29	PCI/G
SC-39124-S	10/06/1999	RADIUM-228	1.05	0.31	PCI/G
SC-39124-S	10/06/1999	THORIUM-230	0.92	0.64	PCI/G
SC-39124-S	10/06/1999	URANIUM-238	1.325	2.65	PCI/G
SC-39201-C	09/30/1999	PAH	0	17	UG/KG
SC-39201-C	09/30/1999	RADIUM-226	0.315	0.63	PCI/G
SC-39201-C	09/30/1999	RADIUM-228	0.78	0.51	PCI/G
SC-39201-C	09/30/1999	THORIUM-230	1.09	0.64	PCI/G
SC-39201-C	09/30/1999	URANIUM-238	2.29	2.43	PCI/G
SC-39201-S	10/12/1999	PAH	51	15	UG/KG
SC-39201-S	10/12/1999	RADIUM-226	0.65	0.33	PCI/G
SC-39201-S	10/12/1999	RADIUM-228	0.475	0.95	PCI/G
SC-39201-S	10/12/1999	THORIUM-230	1.01	0.65	PCI/G
SC-39201-S	10/12/1999	URANIUM-238	1.33	2.66	PCI/G
SC-39202-C	09/30/1999	PAH	0	19	UG/KG
SC-39202-C	09/30/1999	RADIUM-226	0.85	0.28	PCI/G
SC-39202-C	09/30/1999	RADIUM-228	1.01	0.41	PCI/G
SC-39202-C	09/30/1999	THORIUM-230	1.13	0.64	PCI/G
SC-39202-C	09/30/1999	URANIUM-238	1.305	2.61	PCI/G
SC-39202-S	10/12/1999	PAH	28	19	UG/KG
SC-39202-S	10/12/1999	RADIUM-226	0.89	0.27	PCI/G
SC-39202-S	10/12/1999	RADIUM-228	1	0.44	PCI/G
SC-39202-S	10/12/1999	THORIUM-230	1.09	0.64	PCI/G
SC-39202-S	10/12/1999	URANIUM-238	1.255	2.51	PCI/G
SC-39203-C	09/30/1999	PAH	0	19	UG/KG
SC-39203-C	09/30/1999	RADIUM-226	0.32	0.64	PCI/G
SC-39203-C	09/30/1999	RADIUM-228	1.06	0.51	PCI/G
SC-39203-C	09/30/1999	THORIUM-230	1.33	0.62	PCI/G
SC-39203-C	09/30/1999	URANIUM-238	1.31	2.62	PCI/G
SC-39203-S	10/12/1999	PAH	0	18	UG/KG
SC-39203-S	10/12/1999	RADIUM-226	0.83	0.28	PCI/G
SC-39203-S	10/12/1999	RADIUM-228	0.5	1	PCI/G
SC-39203-S	10/12/1999	THORIUM-230	1.08	0.65	PCI/G
SC-39203-S	10/12/1999	URANIUM-238	1.265	2.53	PCI/G
SC-39204-C	09/30/1999	PAH	65	18	UG/KG
SC-39204-C	09/30/1999	RADIUM-226	0.83	0.31	PCI/G
SC-39204-C	09/30/1999	RADIUM-228	1.09	0.34	PCI/G
SC-39204-C	09/30/1999	THORIUM-230	1.22	0.62	PCI/G
SC-39204-C	09/30/1999	URANIUM-238	1.305	2.61	PCI/G
SC-39204-S	10/12/1999	PAH	0	18	UG/KG
SC-39204-S	10/12/1999	RADIUM-226	0.77	0.29	PCI/G
SC-39204-S	10/12/1999	RADIUM-228	1.06	0.44	PCI/G
SC-39204-S	10/12/1999	THORIUM-230	0.91	0.62	PCI/G

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-39204-S	10/12/1999	URANIUM-238	1.335	2.67	PCI/G
SC-39205-C	09/30/1999	PAH	0	19	UG/KG
SC-39205-C	09/30/1999	RADIUM-226	0 36	0 72	PCI/G
SC-39205-C	09/30/1999	RADIUM-228	1 15	0 57	PCI/G
SC-39205-C	09/30/1999	THORIUM-230	1 08	0 64	PCI/G
SC-39205-C	09/30/1999	URANIUM-238	1 425	2 85	PCI/G
SC-39205-S	09/30/1999	PAH	0	18	UG/KG
SC-39205-S	09/30/1999	RADIUM-226	0 78	0 32	PCI/G
SC-39205-S	09/30/1999	RADIUM-228	1 13	0 47	PCI/G
SC-39205-S	09/30/1999	THORIUM-230	1 03	0 64	PCI/G
SC-39205-S	09/30/1999	URANIUM-238	1.355	2 71	PCI/G
SC-39206-C	09/30/1999	PAH	0	19	UG/KG
SC-39206-C	09/30/1999	RADIUM-226	0 34	0 68	PCI/G
SC-39206-C	09/30/1999	RADIUM-228	0 49	0.98	PCI/G
SC-39206-C	09/30/1999	THORIUM-230	1.27	0.62	PCI/G
SC-39206-C	09/30/1999	URANIUM-238	1 325	2.65	PCI/G
SC-39206-S	09/30/1999	PAH	0	19	UG/KG
SC-39206-S	09/30/1999	RADIUM-226	0 77	0 31	PCI/G
SC-39206-S	09/30/1999	RADIUM-228	0 47	0 94	PCI/G
SC-39206-S	09/30/1999	THORIUM-230	1 08	0.65	PCI/G
SC-39206-S	09/30/1999	URANIUM-238	1 35	2.7	PCI/G
SC-39207-C	09/30/1999	PAH	0	18	UG/KG
SC-39207-C	09/30/1999	RADIUM-226	0 83	0 32	PCI/G
SC-39207-C	09/30/1999	RADIUM-228	1 14	0 39	PCI/G
SC-39207-C	09/30/1999	THORIUM-230	1 07	0 62	PCI/G
SC-39207-C	09/30/1999	URANIUM-238	1 28	2 56	PCI/G
SC-39207-S	09/30/1999	PAH	0	18	UG/KG
SC-39207-S	09/30/1999	RADIUM-226	0.305	0 61	PCI/G
SC-39207-S	09/30/1999	RADIUM-228	0 47	0 94	PCI/G
SC-39207-S	09/30/1999	THORIUM-230	1 38	0 64	PCI/G
SC-39207-S	09/30/1999	URANIUM-238	1.26	2 52	PCI/G
SC-39208-C	09/30/1999	PAH	0	18	UG/KG
SC-39208-C	09/30/1999	RADIUM-226	1 07	0 3	PCI/G
SC-39208-C	09/30/1999	RADIUM-228	0 96	0 49	PCI/G
SC-39208-C	09/30/1999	THORIUM-230	1 12	0 62	PCI/G
SC-39208-C	09/30/1999	URANIUM-238	1 31	2 62	PCI/G
SC-39208-S	09/30/1999	PAH	0	18	UG/KG
SC-39208-S	09/30/1999	RADIUM-226	0.92	0 38	PCI/G
SC-39208-S	09/30/1999	RADIUM-228	0 485	0 97	PCI/G
SC-39208-S	09/30/1999	THORIUM-230	1 31	0.64	PCI/G
SC-39208-S	09/30/1999	URANIUM-238	1 34	2 68	PCI/G
SC-39209-C	09/30/1999	PAH	0	18	UG/KG
SC-39209-C	09/30/1999	RADIUM-226	0.89	0 32	PCI/G
SC-39209-C	09/30/1999	RADIUM-228	1 3	0 44	PCI/G
SC-39209-C	09/30/1999	THORIUM-230	1 01	0 64	PCI/G
SC-39209-C	09/30/1999	URANIUM-238	1.275	2 55	PCI/G
SC-39209-S	09/30/1999	PAH	0	19	UG/KG
SC-39209-S	09/30/1999	RADIUM-226	0 85	0 31	PCI/G
SC-39209-S	09/30/1999	RADIUM-228	1 22	0 46	PCI/G
SC-39209-S	09/30/1999	THORIUM-230	1 56	0 62	PCI/G
SC-39209-S	09/30/1999	URANIUM-238	1 325	2 65	PCI/G
SC-39210-C	09/30/1999	PAH	0	17	UG/KG
SC-39210-C	09/30/1999	RADIUM-226	1	0 32	PCI/G
SC-39210-C	09/30/1999	RADIUM-228	1 1	0 4	PCI/G
SC-39210-C	09/30/1999	THORIUM-230	1 32	0 62	PCI/G
SC-39210-C	09/30/1999	URANIUM-238	1.375	2 75	PCI/G
SC-39210-S	09/30/1999	PAH	0	19	UG/KG
SC-39210-S	09/30/1999	RADIUM-226	0.92	0 26	PCI/G
SC-39210-S	09/30/1999	RADIUM-228	1.27	0 37	PCI/G
SC-39210-S	09/30/1999	THORIUM-230	1 1	0 64	PCI/G
SC-39210-S	09/30/1999	URANIUM-238	1 355	2 71	PCI/G
SC-39211-C	10/26/1999	PAH	0	18	UG/KG
SC-39211-C	10/26/1999	RADIUM-226	1.03	0.29	PCI/G
SC-39211-C	10/26/1999	RADIUM-228	0.48	0.96	PCI/G
SC-39211-C	10/26/1999	THORIUM-230	1.16	0 64	PCI/G
SC-39211-C	10/26/1999	URANIUM-238	1 33	2 66	PCI/G
SC-39211-S	09/30/1999	PAH	0	18	UG/KG
SC-39211-S	09/30/1999	RADIUM-226	0 58	0 33	PCI/G
SC-39211-S	09/30/1999	RADIUM-228	1 25	0 4	PCI/G
SC-39211-S	09/30/1999	THORIUM-230	1 13	0 64	PCI/G
SC-39211-S	09/30/1999	URANIUM-238	1.205	2 41	PCI/G
SC-39212-C	10/26/1999	PAH	0	18	UG/KG

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-39212-C	10/26/1999	RADIUM-226	1.05	0.3	PCI/G
SC-39212-C	10/26/1999	RADIUM-228	1.07	0.44	PCI/G
SC-39212-C	10/26/1999	THORIUM-230	3.38	0.64	PCI/G
SC-39212-C	10/26/1999	URANIUM-238	1.405	2.81	PCI/G
SC-39212-S	09/30/1999	PAH	0	17	UG/KG
SC-39212-S	09/30/1999	RADIUM-226	0.88	0.34	PCI/G
SC-39212-S	09/30/1999	RADIUM-228	0.44	0.88	PCI/G
SC-39212-S	09/30/1999	THORIUM-230	1.46	0.62	PCI/G
SC-39212-S	09/30/1999	URANIUM-238	1.205	2.41	PCI/G
SC-39213-S	09/30/1999	PAH	0	18	UG/KG
SC-39213-S	09/30/1999	RADIUM-226	0.86	0.28	PCI/G
SC-39213-S	09/30/1999	RADIUM-228	0.86	0.38	PCI/G
SC-39213-S	09/30/1999	THORIUM-230	1.77	0.64	PCI/G
SC-39213-S	09/30/1999	URANIUM-238	1.385	2.77	PCI/G
SC-39214-S	09/30/1999	PAH	0	19	UG/KG
SC-39214-S	09/30/1999	RADIUM-226	0.64	0.29	PCI/G
SC-39214-S	09/30/1999	RADIUM-228	1.17	0.57	PCI/G
SC-39214-S	09/30/1999	THORIUM-230	1.47	0.62	PCI/G
SC-39214-S	09/30/1999	URANIUM-238	1.26	2.52	PCI/G
SC-39215-S	09/30/1999	PAH	0	18	UG/KG
SC-39215-S	09/30/1999	RADIUM-226	0.84	0.26	PCI/G
SC-39215-S	09/30/1999	RADIUM-228	1.39	0.39	PCI/G
SC-39215-S	09/30/1999	THORIUM-230	1.27	0.62	PCI/G
SC-39215-S	09/30/1999	URANIUM-238	1.375	2.75	PCI/G
SC-39216-S	09/30/1999	PAH	0	18	UG/KG
SC-39216-S	09/30/1999	RADIUM-226	0.32	0.64	PCI/G
SC-39216-S	09/30/1999	RADIUM-228	1.09	0.44	PCI/G
SC-39216-S	09/30/1999	THORIUM-230	0.92	0.64	PCI/G
SC-39216-S	09/30/1999	URANIUM-238	1.17	2.34	PCI/G
SC-39217-S	09/30/1999	PAH	0	18	UG/KG
SC-39217-S	09/30/1999	RADIUM-226	1.04	0.31	PCI/G
SC-39217-S	09/30/1999	RADIUM-228	0.49	0.98	PCI/G
SC-39217-S	09/30/1999	THORIUM-230	1.1	0.64	PCI/G
SC-39217-S	09/30/1999	URANIUM-238	1.365	2.73	PCI/G
SC-39218-S	09/30/1999	PAH	0	18	UG/KG
SC-39218-S	09/30/1999	RADIUM-226	0.91	0.28	PCI/G
SC-39218-S	09/30/1999	RADIUM-228	1.24	0.32	PCI/G
SC-39218-S	09/30/1999	THORIUM-230	2.65	0.62	PCI/G
SC-39218-S	09/30/1999	URANIUM-238	1.375	2.75	PCI/G
SC-39219-S	09/30/1999	PAH	0	19	UG/KG
SC-39219-S	09/30/1999	RADIUM-226	0.91	0.38	PCI/G
SC-39219-S	09/30/1999	RADIUM-228	0.47	0.94	PCI/G
SC-39219-S	09/30/1999	THORIUM-230	1	0.62	PCI/G
SC-39219-S	09/30/1999	URANIUM-238	1.445	2.89	PCI/G
SC-39220-S	10/26/1999	PAH	0	18	UG/KG
SC-39220-S	10/26/1999	RADIUM-226	0.95	0.32	PCI/G
SC-39220-S	10/26/1999	RADIUM-228	1.07	0.59	PCI/G
SC-39220-S	10/26/1999	THORIUM-230	1.19	0.64	PCI/G
SC-39220-S	10/26/1999	URANIUM-238	1.33	2.66	PCI/G
SC-39301-C	09/28/1999	2,4,6-TRINITROTOLUENE	0.0125	0.025	UG/G
SC-39301-C	09/28/1999	PCB	92	36	UG/KG
SC-39301-C	09/28/1999	ARSENIC	11.7	0.41	UG/G
SC-39301-C	09/28/1999	PAH	0	16	UG/KG
SC-39301-C	09/28/1999	CHROMIUM	20.8	0.15	UG/G
SC-39301-C	09/28/1999	LEAD	29.8	0.28	UG/G
SC-39301-C	09/28/1999	RADIUM-226	0.67	0.38	PCI/G
SC-39301-C	09/28/1999	RADIUM-228	1.16	0.47	PCI/G
SC-39301-C	09/28/1999	THALLIUM	3.2	0.73	UG/G
SC-39301-C	09/28/1999	THORIUM-230	1.12	0.64	PCI/G
SC-39301-C	09/28/1999	URANIUM-238	1.37	2.74	PCI/G
SC-39301-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.0135	0.027	UG/G
SC-39301-S	09/28/1999	PCB	0	37	UG/KG
SC-39301-S	09/28/1999	ARSENIC	7.9	0.42	UG/G
SC-39301-S	09/28/1999	PAH	0	16	UG/KG
SC-39301-S	09/28/1999	CHROMIUM	19.3	0.15	UG/G
SC-39301-S	09/28/1999	LEAD	13.9	0.29	UG/G
SC-39301-S	09/28/1999	RADIUM-226	0.3	0.6	PCI/G
SC-39301-S	09/28/1999	RADIUM-228	1.08	0.61	PCI/G
SC-39301-S	09/28/1999	THALLIUM	3	0.75	UG/G
SC-39301-S	09/28/1999	THORIUM-230	1.57	0.62	PCI/G
SC-39301-S	09/28/1999	URANIUM-238	1.31	2.62	PCI/G
SC-39302-C	09/28/1999	2,4,6-TRINITROTOLUENE	0.0135	0.027	UG/G

APPENDIX B WP-437 RU21 FINAL DATA

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-39302-C	09/28/1999	PCB	0	37	UG/KG
SC-39302-C	09/28/1999	ARSENIC	7	0 43	UG/G
SC-39302-C	09/28/1999	PAH	0	17	UG/KG
SC-39302-C	09/28/1999	CHROMIUM	18 7	0 16	UG/G
SC-39302-C	09/28/1999	LEAD	13	0.29	UG/G
SC-39302-C	09/28/1999	RADIUM-226	0.275	0 55	PCI/G
SC-39302-C	09/28/1999	RADIUM-228	0.445	0 89	PCI/G
SC-39302-C	09/28/1999	THALLIUM	2 7	0.76	UG/G
SC-39302-C	09/28/1999	THORIUM-230	1.25	0.64	PCI/G
SC-39302-C	09/28/1999	URANIUM-238	1.275	2.55	PCI/G
SC-39302-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.013	0.026	UG/G
SC-39302-S	09/28/1999	PCB	0	35	UG/KG
SC-39302-S	09/28/1999	ARSENIC	12.9	0.4	UG/G
SC-39302-S	09/28/1999	PAH	0	16	UG/KG
SC-39302-S	09/28/1999	CHROMIUM	23 5	0.15	UG/G
SC-39302-S	09/28/1999	LEAD	31.4	0.27	UG/G
SC-39302-S	09/28/1999	RADIUM-226	0.92	0.35	PCI/G
SC-39302-S	09/28/1999	RADIUM-228	1 4	0.45	PCI/G
SC-39302-S	09/28/1999	THALLIUM	3.6	0 72	UG/G
SC-39302-S	09/28/1999	THORIUM-230	1.39	0.65	PCI/G
SC-39302-S	09/28/1999	URANIUM-238	1.325	2.65	PCI/G
SC-39303-C	09/28/1999	2,4,6-TRINITROTOLUENE	0.013	0.026	UG/G
SC-39303-C	09/28/1999	PCB	0	36	UG/KG
SC-39303-C	09/28/1999	ARSENIC	10	0 41	UG/G
SC-39303-C	09/28/1999	PAH	0	16	UG/KG
SC-39303-C	09/28/1999	CHROMIUM	25.2	0 15	UG/G
SC-39303-C	09/28/1999	LEAD	16.5	0.28	UG/G
SC-39303-C	09/28/1999	RADIUM-226	0.76	0.34	PCI/G
SC-39303-C	09/28/1999	RADIUM-228	0.515	1 03	PCI/G
SC-39303-C	09/28/1999	THALLIUM	3 3	0 74	UG/G
SC-39303-C	09/28/1999	THORIUM-230	4.11	0 64	PCI/G
SC-39303-C	09/28/1999	URANIUM-238	1.415	2.83	PCI/G
SC-39303-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.0135	0.027	UG/G
SC-39303-S	09/28/1999	PCB	0	36	UG/KG
SC-39303-S	09/28/1999	ARSENIC	8.9	0.41	UG/G
SC-39303-S	09/28/1999	PAH	0	16	UG/KG
SC-39303-S	09/28/1999	CHROMIUM	17.7	0.15	UG/G
SC-39303-S	09/28/1999	LEAD	15 4	0 28	UG/G
SC-39303-S	09/28/1999	RADIUM-226	0.57	0 36	PCI/G
SC-39303-S	09/28/1999	RADIUM-228	1.37	0.45	PCI/G
SC-39303-S	09/28/1999	THALLIUM	2.5	0 73	UG/G
SC-39303-S	09/28/1999	THORIUM-230	1.19	0.62	PCI/G
SC-39303-S	09/28/1999	URANIUM-238	1.33	2.66	PCI/G
SC-39304-C	09/28/1999	2,4,6-TRINITROTOLUENE	0 015	0.03	UG/G
SC-39304-C	09/28/1999	PCB	0	40	UG/KG
SC-39304-C	09/28/1999	ARSENIC	8 9	0 45	UG/G
SC-39304-C	09/28/1999	PAH	0	18	UG/KG
SC-39304-C	09/28/1999	CHROMIUM	16 7	0 17	UG/G
SC-39304-C	09/28/1999	LEAD	13 7	0 31	UG/G
SC-39304-C	09/28/1999	RADIUM-226	0 3	0 6	PCI/G
SC-39304-C	09/28/1999	RADIUM-228	1.18	0 4	PCI/G
SC-39304-C	09/28/1999	THALLIUM	2.5	0 81	UG/G
SC-39304-C	09/28/1999	THORIUM-230	1.01	0 64	PCI/G
SC-39304-C	09/28/1999	URANIUM-238	1.29	2.58	PCI/G
SC-39304-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.013	0.026	UG/G
SC-39304-S	09/28/1999	PCB	0	36	UG/KG
SC-39304-S	09/28/1999	ARSENIC	9.7	0 41	UG/G
SC-39304-S	09/28/1999	PAH	0	16	UG/KG
SC-39304-S	09/28/1999	CHROMIUM	21	0.15	UG/G
SC-39304-S	09/28/1999	LEAD	17	0.28	UG/G
SC-39304-S	09/28/1999	RADIUM-226	0.32	0.64	PCI/G
SC-39304-S	09/28/1999	RADIUM-228	0.49	0.98	PCI/G
SC-39304-S	09/28/1999	THALLIUM	3.1	0.73	UG/G
SC-39304-S	09/28/1999	THORIUM-230	1.54	0.65	PCI/G
SC-39304-S	09/28/1999	URANIUM-238	1.315	2.63	PCI/G
SC-39305-C	09/28/1999	2,4,6-TRINITROTOLUENE	0 014	0 028	UG/G
SC-39305-C	09/28/1999	PCB	0	39	UG/KG
SC-39305-C	09/28/1999	ARSENIC	9.2	0.44	UG/G
SC-39305-C	09/28/1999	PAH	0	17	UG/KG
SC-39305-C	09/28/1999	CHROMIUM	18 1	0 16	UG/G
SC-39305-C	09/28/1999	LEAD	12.4	0.3	UG/G
SC-39305-C	09/28/1999	RADIUM-226	0.235	0 47	PCI/G

WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-39305-C	09/28/1999	RADIUM-228	1.33	0.4	PCI/G
SC-39305-C	09/28/1999	THALLIUM	3.4	0.79	UG/G
SC-39305-C	09/28/1999	THORIUM-230	1.06	0.64	PCI/G
SC-39305-C	09/28/1999	URANIUM-238	1.17	2.34	PCI/G
SC-39305-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.013	0.026	UG/G
SC-39305-S	09/28/1999	PCB	0	36	UG/KG
SC-39305-S	09/28/1999	ARSENIC	9.1	0.41	UG/G
SC-39305-S	09/28/1999	PAH	0	16	UG/KG
SC-39305-S	09/28/1999	CHROMIUM	17	0.15	UG/G
SC-39305-S	09/28/1999	LEAD	15.7	0.28	UG/G
SC-39305-S	09/28/1999	RADIUM-226	0.71	0.33	PCI/G
SC-39305-S	09/28/1999	RADIUM-228	0.45	0.9	PCI/G
SC-39305-S	09/28/1999	THALLIUM	2.6	0.74	UG/G
SC-39305-S	09/28/1999	THORIUM-230	1.1	0.62	PCI/G
SC-39305-S	09/28/1999	URANIUM-238	1.29	2.58	PCI/G
SC-39306-C	09/28/1999	2,4,6-TRINITROTOLUENE	0.0145	0.029	UG/G
SC-39306-C	09/28/1999	PCB	0	38	UG/KG
SC-39306-C	09/28/1999	ARSENIC	10.8	0.44	UG/G
SC-39306-C	09/28/1999	PAH	0	17	UG/KG
SC-39306-C	09/28/1999	CHROMIUM	15.2	0.16	UG/G
SC-39306-C	09/28/1999	LEAD	13.9	0.3	UG/G
SC-39306-C	09/28/1999	RADIUM-226	0.49	0.32	PCI/G
SC-39306-C	09/28/1999	RADIUM-228	0.465	0.93	PCI/G
SC-39306-C	09/28/1999	THALLIUM	4.2	0.79	UG/G
SC-39306-C	09/28/1999	THORIUM-230	0.97	0.64	PCI/G
SC-39306-C	09/28/1999	URANIUM-238	1.275	2.55	PCI/G
SC-39306-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.0135	0.027	UG/G
SC-39306-S	09/28/1999	PCB	0	38	UG/KG
SC-39306-S	09/28/1999	ARSENIC	9.3	0.43	UG/G
SC-39306-S	09/28/1999	PAH	0	17	UG/KG
SC-39306-S	09/28/1999	CHROMIUM	19.2	0.16	UG/G
SC-39306-S	09/28/1999	LEAD	15.9	0.29	UG/G
SC-39306-S	09/28/1999	RADIUM-226	0.84	0.3	PCI/G
SC-39306-S	09/28/1999	RADIUM-228	0.44	0.88	PCI/G
SC-39306-S	09/28/1999	THALLIUM	3.7	0.77	UG/G
SC-39306-S	09/28/1999	THORIUM-230	0.98	0.65	PCI/G
SC-39306-S	09/28/1999	URANIUM-238	1.29	2.58	PCI/G
SC-39307-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.013	0.026	UG/G
SC-39307-S	09/28/1999	PCB	0	35	UG/KG
SC-39307-S	09/28/1999	ARSENIC	8.7	0.41	UG/G
SC-39307-S	09/28/1999	PAH	0	16	UG/KG
SC-39307-S	09/28/1999	CHROMIUM	19.1	0.15	UG/G
SC-39307-S	09/28/1999	LEAD	14.9	0.28	UG/G
SC-39307-S	09/28/1999	RADIUM-226	0.81	0.33	PCI/G
SC-39307-S	09/28/1999	RADIUM-228	0.88	0.51	PCI/G
SC-39307-S	09/28/1999	THALLIUM	2.3	0.72	UG/G
SC-39307-S	09/28/1999	THORIUM-230	1.06	0.64	PCI/G
SC-39307-S	09/28/1999	URANIUM-238	1.33	2.66	PCI/G
SC-39308-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.013	0.026	UG/G
SC-39308-S	09/28/1999	PCB	0	35	UG/KG
SC-39308-S	09/28/1999	ARSENIC	8.6	0.41	UG/G
SC-39308-S	09/28/1999	PAH	0	16	UG/KG
SC-39308-S	09/28/1999	CHROMIUM	16.8	0.15	UG/G
SC-39308-S	09/28/1999	LEAD	15.7	0.28	UG/G
SC-39308-S	09/28/1999	RADIUM-226	0.31	0.62	PCI/G
SC-39308-S	09/28/1999	RADIUM-228	1.03	0.4	PCI/G
SC-39308-S	09/28/1999	THALLIUM	2.9	0.73	UG/G
SC-39308-S	09/28/1999	THORIUM-230	1.56	0.62	PCI/G
SC-39308-S	09/28/1999	URANIUM-238	1.24	2.48	PCI/G
SC-39309-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.013	0.026	UG/G
SC-39309-S	09/28/1999	PCB	0	36	UG/KG
SC-39309-S	09/28/1999	ARSENIC	8.7	0.41	UG/G
SC-39309-S	09/28/1999	PAH	0	16	UG/KG
SC-39309-S	09/28/1999	CHROMIUM	17.5	0.15	UG/G
SC-39309-S	09/28/1999	LEAD	15.3	0.28	UG/G
SC-39309-S	09/28/1999	RADIUM-226	0.3	0.6	PCI/G
SC-39309-S	09/28/1999	RADIUM-228	0.455	0.91	PCI/G
SC-39309-S	09/28/1999	THALLIUM	3	0.73	UG/G
SC-39309-S	09/28/1999	THORIUM-230	0.83	0.64	PCI/G
SC-39309-S	09/28/1999	URANIUM-238	1.31	2.62	PCI/G
SC-39310-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.013	0.026	UG/G
SC-39310-S	09/28/1999	PCB	0	35	UG/KG

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-39310-S	09/28/1999	ARSENIC	8.1	0.4	UG/G
SC-39310-S	09/28/1999	PAH	0	16	UG/KG
SC-39310-S	09/28/1999	CHROMIUM	18.5	0.15	UG/G
SC-39310-S	09/28/1999	LEAD	14.3	0.28	UG/G
SC-39310-S	09/28/1999	RADIUM-226	1 12	0 33	PCI/G
SC-39310-S	09/28/1999	RADIUM-228	0.445	0.89	PCI/G
SC-39310-S	09/28/1999	THALLIUM	2.3	0 72	UG/G
SC-39310-S	09/28/1999	THORIUM-230	1.25	0.62	PCI/G
SC-39310-S	09/28/1999	URANIUM-238	1.29	2.58	PCI/G
SC-39311-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.015	0.03	UG/G
SC-39311-S	09/28/1999	PCB	0	40	UG/KG
SC-39311-S	09/28/1999	ARSENIC	10.7	0.46	UG/G
SC-39311-S	09/28/1999	PAH	0	18	UG/KG
SC-39311-S	09/28/1999	CHROMIUM	16 2	0 17	UG/G
SC-39311-S	09/28/1999	LEAD	12	0 31	UG/G
SC-39311-S	09/28/1999	RADIUM-226	0.83	0.3	PCI/G
SC-39311-S	09/28/1999	RADIUM-228	0.98	0.43	PCI/G
SC-39311-S	09/28/1999	THALLIUM	2.4	0.82	UG/G
SC-39311-S	09/28/1999	THORIUM-230	1.12	0.64	PCI/G
SC-39311-S	09/28/1999	URANIUM-238	1.29	2 58	PCI/G
SC-39312-S	09/28/1999	2,4,6-TRINITROTOLUENE	0 014	0 028	UG/G
SC-39312-S	09/28/1999	PCB	0	37	UG/KG
SC-39312-S	09/28/1999	ARSENIC	8.3	0.43	UG/G
SC-39312-S	09/28/1999	PAH	0	17	UG/KG
SC-39312-S	09/28/1999	CHROMIUM	14 7	0 16	UG/G
SC-39312-S	09/28/1999	LEAD	20.4	0.29	UG/G
SC-39312-S	09/28/1999	RADIUM-226	0 57	0.28	PCI/G
SC-39312-S	09/28/1999	RADIUM-228	0 46	0 92	PCI/G
SC-39312-S	09/28/1999	THALLIUM	2.7	0 76	UG/G
SC-39312-S	09/28/1999	THORIUM-230	0 99	0 65	PCI/G
SC-39312-S	09/28/1999	URANIUM-238	1.275	2 55	PCI/G
SC-39313-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.015	0 03	UG/G
SC-39313-S	09/28/1999	PCB	0	40	UG/KG
SC-39313-S	09/28/1999	ARSENIC	9 8	0 46	UG/G
SC-39313-S	09/28/1999	PAH	0	18	UG/KG
SC-39313-S	09/28/1999	CHROMIUM	14 1	0 17	UG/G
SC-39313-S	09/28/1999	LEAD	12.8	0 31	UG/G
SC-39313-S	09/28/1999	RADIUM-226	0.82	0 32	PCI/G
SC-39313-S	09/28/1999	RADIUM-228	1.22	0 45	PCI/G
SC-39313-S	09/28/1999	THALLIUM	2 3	0 82	UG/G
SC-39313-S	09/28/1999	THORIUM-230	1 11	0 64	PCI/G
SC-39313-S	09/28/1999	URANIUM-238	1 265	2 53	PCI/G
SC-39314-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.015	0 03	UG/G
SC-39314-S	09/28/1999	PCB	0	40	UG/KG
SC-39314-S	09/28/1999	ARSENIC	10 2	0 46	UG/G
SC-39314-S	09/28/1999	PAH	0	18	UG/KG
SC-39314-S	09/28/1999	CHROMIUM	16.6	0 17	UG/G
SC-39314-S	09/28/1999	LEAD	12 8	0 32	UG/G
SC-39314-S	09/28/1999	RADIUM-226	0 91	0 32	PCI/G
SC-39314-S	09/28/1999	RADIUM-228	1 2	0 53	PCI/G
SC-39314-S	09/28/1999	THALLIUM	2 5	0 82	UG/G
SC-39314-S	09/28/1999	THORIUM-230	1.41	0 62	PCI/G
SC-39314-S	09/28/1999	URANIUM-238	1 385	2 77	PCI/G
SC-39315-S	09/28/1999	2,4,6-TRINITROTOLUENE	0 015	0 03	UG/G
SC-39315-S	09/28/1999	PCB	0	40	UG/KG
SC-39315-S	09/28/1999	ARSENIC	5.6	0 46	UG/G
SC-39315-S	09/28/1999	PAH	63	18	UG/KG
SC-39315-S	09/28/1999	CHROMIUM	11.6	0 17	UG/G
SC-39315-S	09/28/1999	LEAD	10.7	0 32	UG/G
SC-39315-S	09/28/1999	RADIUM-226	0.82	0 27	PCI/G
SC-39315-S	09/28/1999	RADIUM-228	1 22	0.36	PCI/G
SC-39315-S	09/28/1999	THALLIUM	1.5	0 83	UG/G
SC-39315-S	09/28/1999	THORIUM-230	1.47	0.64	PCI/G
SC-39315-S	09/28/1999	URANIUM-238	1.28	2.56	PCI/G
SC-39316-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.014	0 028	UG/G
SC-39316-S	09/28/1999	PCB	0	38	UG/KG
SC-39316-S	09/28/1999	ARSENIC	8.7	0 44	UG/G
SC-39316-S	09/28/1999	PAH	0	17	UG/KG
SC-39316-S	09/28/1999	CHROMIUM	14.9	0 16	UG/G
SC-39316-S	09/28/1999	LEAD	13.6	0 3	UG/G
SC-39316-S	09/28/1999	RADIUM-226	0 32	0.64	PCI/G
SC-39316-S	09/28/1999	RADIUM-228	0 485	0.97	PCI/G

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SC-39316-S	09/28/1999	THALLIUM	2	0.79	UG/G
SC-39316-S	09/28/1999	THORIUM-230	2.33	0.65	PCI/G
SC-39316-S	09/28/1999	URANIUM-238	1.595	3.19	PCI/G
SC-39317-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.015	0.03	UG/G
SC-39317-S	09/28/1999	PCB	0	42	UG/KG
SC-39317-S	09/28/1999	ARSENIC	7.7	0.48	UG/G
SC-39317-S	09/28/1999	PAH	0	19	UG/KG
SC-39317-S	09/28/1999	CHROMIUM	16.5	0.18	UG/G
SC-39317-S	09/28/1999	LEAD	10.8	0.33	UG/G
SC-39317-S	09/28/1999	RADIUM-226	0.7	0.26	PCI/G
SC-39317-S	09/28/1999	RADIUM-228	0.83	0.42	PCI/G
SC-39317-S	09/28/1999	THALLIUM	2	0.85	UG/G
SC-39317-S	09/28/1999	THORIUM-230	0.97	0.64	PCI/G
SC-39317-S	09/28/1999	URANIUM-238	2.49	2.15	PCI/G
SC-39318-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.016	0.032	UG/G
SC-39318-S	09/28/1999	PCB	0	43	UG/KG
SC-39318-S	09/28/1999	ARSENIC	8.6	0.49	UG/G
SC-39318-S	09/28/1999	PAH	0	19	UG/KG
SC-39318-S	09/28/1999	CHROMIUM	20.1	0.18	UG/G
SC-39318-S	09/28/1999	LEAD	13	0.34	UG/G
SC-39318-S	09/28/1999	RADIUM-226	0.27	0.54	PCI/G
SC-39318-S	09/28/1999	RADIUM-228	1.05	0.41	PCI/G
SC-39318-S	09/28/1999	THALLIUM	2.4	0.88	UG/G
SC-39318-S	09/28/1999	THORIUM-230	0.63	0.65	PCI/G
SC-39318-S	09/28/1999	URANIUM-238	1.3	2.6	PCI/G
SC-39319-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.015	0.03	UG/G
SC-39319-S	09/28/1999	PCB	0	41	UG/KG
SC-39319-S	09/28/1999	ARSENIC	12.5	0.47	UG/G
SC-39319-S	09/28/1999	PAH	0	18	UG/KG
SC-39319-S	09/28/1999	CHROMIUM	13.9	0.17	UG/G
SC-39319-S	09/28/1999	LEAD	18.4	0.32	UG/G
SC-39319-S	09/28/1999	RADIUM-226	0.86	0.26	PCI/G
SC-39319-S	09/28/1999	RADIUM-228	1.33	0.51	PCI/G
SC-39319-S	09/28/1999	THALLIUM	1.3	0.83	UG/G
SC-39319-S	09/28/1999	THORIUM-230	2.99	0.64	PCI/G
SC-39319-S	09/28/1999	URANIUM-238	1.765	3.53	PCI/G
SC-39320-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.0155	0.031	UG/G
SC-39320-S	09/28/1999	PCB	0	42	UG/KG
SC-39320-S	09/28/1999	ARSENIC	5.3	0.48	UG/G
SC-39320-S	09/28/1999	PAH	42	19	UG/KG
SC-39320-S	09/28/1999	CHROMIUM	12.1	0.18	UG/G
SC-39320-S	09/28/1999	LEAD	13.1	0.33	UG/G
SC-39320-S	09/28/1999	RADIUM-226	1.03	0.35	PCI/G
SC-39320-S	09/28/1999	RADIUM-228	0.52	1.04	PCI/G
SC-39320-S	09/28/1999	THALLIUM	0.98	0.86	UG/G
SC-39320-S	09/28/1999	THORIUM-230	3.89	0.62	PCI/G
SC-39320-S	09/28/1999	URANIUM-238	1.495	2.99	PCI/G
SC-39321-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.015	0.03	UG/G
SC-39321-S	09/28/1999	PCB	0	41	UG/KG
SC-39321-S	09/28/1999	ARSENIC	10.2	0.47	UG/G
SC-39321-S	09/28/1999	PAH	0	18	UG/KG
SC-39321-S	09/28/1999	CHROMIUM	11.9	0.17	UG/G
SC-39321-S	09/28/1999	LEAD	10.9	0.32	UG/G
SC-39321-S	09/28/1999	RADIUM-226	0.59	0.29	PCI/G
SC-39321-S	09/28/1999	RADIUM-228	1.18	0.41	PCI/G
SC-39321-S	09/28/1999	THALLIUM	1.8	0.83	UG/G
SC-39321-S	09/28/1999	THORIUM-230	2.12	0.64	PCI/G
SC-39321-S	09/28/1999	URANIUM-238	1.22	2.44	PCI/G
SC-39322-S	09/28/1999	2,4,6-TRINITROTOLUENE	0.0145	0.029	UG/G
SC-39322-S	09/28/1999	PCB	0	39	UG/KG
SC-39322-S	09/28/1999	ARSENIC	10	0.45	UG/G
SC-39322-S	09/28/1999	PAH	0	18	UG/KG
SC-39322-S	09/28/1999	CHROMIUM	14.8	0.17	UG/G
SC-39322-S	09/28/1999	LEAD	12.9	0.31	UG/G
SC-39322-S	09/28/1999	RADIUM-226	0.66	0.31	PCI/G
SC-39322-S	09/28/1999	RADIUM-228	0.99	0.55	PCI/G
SC-39322-S	09/28/1999	THALLIUM	3	0.81	UG/G
SC-39322-S	09/28/1999	THORIUM-230	1.37	0.65	PCI/G
SC-39322-S	09/28/1999	URANIUM-238	1.46	2.92	PCI/G
SC-39401-C	09/24/1999	RADIUM-226	0.41	0.25	PCI/G
SC-39401-C	09/24/1999	RADIUM-228	1.08	0.45	PCI/G
SC-39401-C	09/24/1999	THORIUM-230	0.97	0.64	PCI/G

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WSSRAP_ID	DATE_SAM	PARAMETER	CONC	DL	UNITS
SC-39401-C	09/24/1999	URANIUM-238	1.195	2.39	PCI/G
SC-39401-S	09/24/1999	RADIUM-226	0.68	0.29	PCI/G
SC-39401-S	09/24/1999	RADIUM-228	1 12	0.42	PCI/G
SC-39401-S	09/24/1999	THORIUM-230	1.26	0.64	PCI/G
SC-39401-S	09/24/1999	URANIUM-238	1.165	2.33	PCI/G
SC-39402-C	09/24/1999	RADIUM-226	0.54	0 3	PCI/G
SC-39402-C	09/24/1999	RADIUM-228	0.9	0.48	PCI/G
SC-39402-C	09/24/1999	THORIUM-230	0.84	0 64	PCI/G
SC-39402-C	09/24/1999	URANIUM-238	1.24	2 48	PCI/G
SC-39402-S	09/24/1999	RADIUM-226	0.69	0 32	PCI/G
SC-39402-S	09/24/1999	RADIUM-228	0 455	0 91	PCI/G
SC-39402-S	09/24/1999	THORIUM-230	0 87	0 64	PCI/G
SC-39402-S	09/24/1999	URANIUM-238	1.2	2 4	PCI/G
SC-39403-C	09/24/1999	RADIUM-226	0.65	0.27	PCI/G
SC-39403-C	09/24/1999	RADIUM-228	1.2	0 36	PCI/G
SC-39403-C	09/24/1999	THORIUM-230	1	0.64	PCI/G
SC-39403-C	09/24/1999	URANIUM-238	1.15	2.3	PCI/G
SC-39403-S	09/24/1999	RADIUM-226	0.275	0.55	PCI/G
SC-39403-S	09/24/1999	RADIUM-228	1.06	0.5	PCI/G
SC-39403-S	09/24/1999	THORIUM-230	0.86	0 64	PCI/G
SC-39403-S	09/24/1999	URANIUM-238	1.105	2.21	PCI/G
SC-39404-C	09/24/1999	RADIUM-226	0.65	0.28	PCI/G
SC-39404-C	09/24/1999	RADIUM-228	0 83	0 4	PCI/G
SC-39404-C	09/24/1999	THORIUM-230	11.3	0.64	PCI/G
SC-39404-C	09/24/1999	URANIUM-238	1.25	2 5	PCI/G
SC-39404-C-RS	09/28/1999	THORIUM-230	1 19	0.64	PCI/G
SC-39404-S	09/24/1999	RADIUM-226	0.24	0 48	PCI/G
SC-39404-S	09/24/1999	RADIUM-228	0 75	0 55	PCI/G
SC-39404-S	09/24/1999	THORIUM-230	1	0 64	PCI/G
SC-39404-S	09/24/1999	URANIUM-238	1.19	2 38	PCI/G
SC-39405-C	09/24/1999	RADIUM-226	0.8	0 3	PCI/G
SC-39405-C	09/24/1999	RADIUM-228	1.14	0 39	PCI/G
SC-39405-C	09/24/1999	THORIUM-230	1.33	0 64	PCI/G
SC-39405-C	09/24/1999	URANIUM-238	1.28	2 56	PCI/G
SC-39406-S	09/24/1999	RADIUM-226	0.66	0 32	PCI/G
SC-39406-S	09/24/1999	RADIUM-228	1 28	0 52	PCI/G
SC-39406-S	09/24/1999	THORIUM-230	1.13	0 64	PCI/G
SC-39406-S	09/24/1999	URANIUM-238	1 38	2 76	PCI/G
SC-39407-S	09/24/1999	RADIUM-226	0.68	0 31	PCI/G
SC-39407-S	09/24/1999	RADIUM-228	0.86	0 34	PCI/G
SC-39407-S	09/24/1999	THORIUM-230	1.1	0 64	PCI/G
SC-39407-S	09/24/1999	URANIUM-238	1.255	2 51	PCI/G

APPENDIX C
WP437 RU021 Sample Location Coordinates

WSSRAP_ID	DATE_SAM	Northing	Easting	Elevation
SC-22101-S	05/12/2000	1041935.53	754004.09	651.46
SC-22102-S	05/22/2000	1041919.63	754032.95	645.44
SC-22103-C	05/22/2000	1041909.90	754083.43	644.07
SC-22103-S	05/22/2000	1041903.78	754061.65	644.54
SC-22104-S	05/22/2000	1041887.25	754090.46	643.56
SC-22105-S	05/22/2000	1041871.41	754118.47	637.34
SC-22106-S	05/22/2000	1041855.24	754147.32	640.37
SC-22107-C	05/11/2000	1041846.12	754197.84	646.41
SC-22107-C-HS01	05/24/2000	1041855.86	754208.00	644.65
SC-22107-C-HS02	05/24/2000	1041856.86	754213.64	645.45
SC-22107-C-HS03	05/24/2000	1041852.60	754212.72	645.66
SC-22107-C-HS04	05/24/2000	1041848.81	754214.70	647.42
SC-22107-C-RS01	06/01/2000	1041856.86	754211.48	643.29
SC-22107-C-RS03	06/01/2000	1041852.13	754213.03	645.55
SC-22107-S	05/11/2000	1041839.43	754175.79	647.71
SC-22110-S	05/12/2000	1041907.11	753988.73	652.42
SC-22111-S	05/22/2000	1041890.82	754016.46	645.82
SC-22112-S	05/22/2000	1041874.32	754046.20	638.70
SC-22113-S	05/22/2000	1041858.47	754074.32	645.58
SC-22114-S	05/22/2000	1041842.85	754102.71	645.37
SC-22115-S	05/22/2000	1041826.57	754131.51	641.42
SC-22116-C	05/11/2000	1041816.93	754182.41	651.91
SC-22116-S	05/11/2000	1041811.03	754159.76	650.55
SC-22117-S	04/17/2000	1041794.46	754188.53	660.79
SC-22117-S-01	05/11/2000	1041794.64	754188.51	651.32
SC-22120-C	05/06/2000	1041871.50	754024.80	654.82
SC-22201-S	06/03/2000	1042071.56	754230.89	637.08
SC-22202-S	06/03/2000	1042056.03	754260.03	638.59
SC-22203-S	05/20/2000	1042040.10	754288.46	644.64
SC-22204-S	05/24/2000	1042043.17	754214.93	643.87
SC-22205-S	05/24/2000	1042027.19	754243.77	643.67
SC-22206-S	05/20/2000	1042010.80	754271.95	646.05
SC-22207-S	05/24/2000	1042014.56	754199.15	645.88
SC-22207-S-RS	06/01/2000	1042014.37	754198.69	644.56
SC-22208-S	05/24/2000	1041998.51	754227.75	645.40
SC-22208-S-RS	06/01/2000	1041998.64	754227.84	643.97
SC-22209-S	05/20/2000	1041982.57	754256.13	643.90
SC-22210-S	05/24/2000	1041986.08	754182.73	645.25
SC-22211-S	05/24/2000	1041969.94	754211.64	644.10
SC-22212-S	05/18/2000	1041953.81	754240.03	643.86
SC-22213-S	05/18/2000	1041937.68	754268.88	643.99
SC-22214-S	05/22/2000	1041957.56	754166.72	643.93
SC-22215-S	05/22/2000	1041941.32	754195.07	643.97
SC-22216-S	05/18/2000	1041925.25	754224.08	641.85
SC-22217-C	05/18/2000	1041918.33	754269.11	644.00
SC-22217-S	05/18/2000	1041909.03	754252.29	643.99
SC-22218-C	05/22/2000	1041954.00	754179.00	641.98
SC-22218-S	05/22/2000	1041928.56	754151.12	643.81
SC-22219-S	05/22/2000	1041912.97	754179.36	643.83
SC-22220-S	05/18/2000	1041896.56	754208.16	643.94
SC-22221-C	05/18/2000	1041890.69	754253.86	643.76
SC-22221-S	05/18/2000	1041880.67	754236.49	643.90
SC-22222-S	05/22/2000	1041899.95	754134.99	641.75
SC-22223-S	05/22/2000	1041883.71	754163.55	638.64

SC-22224-S	05/11/2000	1041867.84	754192.30	647.79
SC-22225-S	04/17/2000	1041851.51	754220.55	660.58
SC-22225-S-01	05/11/2000	1041851.76	754220.73	648.34
SC-22301-C	05/12/2000	1042097.49	754084.50	660.31
SC-22302-S	05/12/2000	1042078.67	754084.38	652.78
SC-22303-S	06/05/2000	1042062.54	754113.26	647.79
SC-22305-S	06/05/2000	1042050.16	754068.39	648.56
SC-22306-S	06/04/2000	1042034.05	754096.94	644.13
SC-22307-S	06/04/2000	1042017.89	754125.60	640.41
SC-22308-S	06/05/2000	1042002.12	754154.41	644.88
SC-22310-S	06/05/2000	1042021.50	754052.28	648.39
SC-22311-C	06/05/2000	1041999.06	754109.06	627.45
SC-22311-S	06/04/2000	1042005.40	754081.07	638.43
SC-22312-S	06/04/2000	1041989.39	754109.36	629.57
SC-22313-S	06/04/2000	1041973.32	754138.24	641.23
SC-22315-C	06/05/2000	1042013.16	754041.68	649.13
SC-22315-S	06/05/2000	1041992.71	754036.62	646.26
SC-22316-C	06/05/2000	1041997.84	754103.64	627.35
SC-22316-S	06/04/2000	1041976.46	754064.88	641.78
SC-22317-S	06/04/2000	1041960.62	754093.53	641.74
SC-22317-S-RS	06/10/2000	1041960.30	754091.65	641.07
SC-22318-S	05/22/2000	1041945.23	754122.38	644.01
SC-22320-S	05/12/2000	1041964.18	754020.39	651.92
SC-22321-S	05/22/2000	1041948.13	754048.83	643.90
SC-22322-S	05/22/2000	1041932.65	754077.45	643.96
SC-22322-S-RS	06/01/2000	1041932.11	754077.57	642.33
SC-22323-S	05/22/2000	1041916.40	754106.39	643.81
SC-22401-C	05/12/2000	1042214.14	754145.19	656.29
SC-22402-S	05/23/2000	1042193.10	754148.56	649.90
SC-22403-S	06/03/2000	1042176.95	754177.35	638.76
SC-22404-S	06/03/2000	1042161.15	754205.90	634.54
SC-22405-S	06/03/2000	1042144.79	754234.65	619.55
SC-22407-S	05/23/2000	1042164.50	754133.02	649.16
SC-22408-S	06/03/2000	1042148.60	754161.40	637.21
SC-22409-S	06/03/2000	1042132.45	754189.97	631.36
SC-22410-S	06/03/2000	1042116.13	754218.73	631.41
SC-22411-C	05/12/2000	1042155.90	754114.73	655.50
SC-22411-C-RS	05/22/2000	1042155.84	754114.86	652.40
SC-22412-S	05/23/2000	1042136.04	754116.65	649.66
SC-22413-S	06/03/2000	1042119.66	754145.27	639.56
SC-22414-S	06/03/2000	1042103.89	754173.73	637.55
SC-22415-S	06/03/2000	1042087.72	754202.47	638.06
SC-22417-S	05/12/2000	1042107.26	754100.31	651.92
SC-22418-S	06/05/2000	1042091.22	754129.32	644.15
SC-22419-S	06/05/2000	1042075.34	754157.54	644.29
SC-22419-S-HS01	06/09/2000	1042076.25	754155.69	644.29*
SC-22419-S-HS02	06/09/2000	1040074.12	754155.69	644.45*
SC-22419-S-HS03	06/09/2000	1042073.09	754157.68	644.36*
SC-22419-S-HS04	06/09/2000	1042073.98	754159.68	644.25*
SC-22420-S	06/05/2000	1042059.27	754186.51	643.64
SC-22421-S	06/05/2000	1042046.60	754141.43	646.06
SC-22422-S	06/05/2000	1042030.54	754170.24	645.16
SC-22501-C	03/07/2000	1042271.44	754361.57	655.21*
SC-22501-S	03/07/2000	1042272.26	754343.19	655.01*
SC-22501-U	03/24/2000	1042262.76	754366.35	651.66

SC-22502-S	03/07/2000	1042256.21	754371.88	655.79*
SC-22502-U	03/24/2000	1042250.67	754388.31	652.57
SC-22503-C	03/07/2000	1042239.64	754418.99	659.48*
SC-22503-S	03/07/2000	1042240.19	754400.44	658.41*
SC-22503-U	07/22/2000	1042248.21	754327.80	646.42
SC-22504-S	03/07/2000	1042224.20	754429.08	659.72*
SC-22504-U	07/22/2000	1042231.71	754355.82	647.68
SC-22505-S	05/23/2000	1042243.38	754327.42	646.99
SC-22506-S	05/23/2000	1042227.48	754355.84	655.91
SC-22506-U	07/22/2000	1042217.80	754385.24	647.06
SC-22507-S	05/20/2000	1042211.73	754384.15	659.76
SC-22508-S	05/20/2000	1042196.07	754412.41	660.68
SC-22509-S	06/03/2000	1042215.19	754311.57	642.72
SC-22510-S	05/23/2000	1042198.71	754339.55	644.24
SC-22511-S	05/20/2000	1042182.95	754368.24	653.33
SC-22512-S	05/20/2000	1042166.87	754396.91	661.42
SC-22513-S	06/03/2000	1042186.67	754294.89	633.79
SC-22514-S	06/03/2000	1042170.28	754323.56	636.42
SC-22515-S	05/20/2000	1042154.19	754352.22	646.87
SC-22516-S	05/20/2000	1042138.27	754380.97	651.43
SC-22517-S	06/03/2000	1042157.87	754279.01	627.75
SC-22518-S	06/03/2000	1042141.77	754307.84	632.98
SC-22519-S	05/20/2000	1042125.53	754336.35	644.04
SC-22521-S	06/03/2000	1042129.22	754263.14	627.43
SC-22522-S	06/03/2000	1042112.98	754291.58	633.54
SC-22523-S	05/20/2000	1042097.31	754320.64	644.95
SC-22524-S	06/03/2000	1042100.26	754247.31	630.86
SC-22525-S	06/03/2000	1042083.90	754275.82	633.39
SC-22526-S	05/20/2000	1042068.27	754304.40	645.34
SC-22601-S	03/07/2000	1042352.33	754200.06	651.71*
SC-22601-U	03/24/2000	1042342.75	754223.93	647.71
SC-22602-C	03/07/2000	1042335.08	754246.84	652.05*
SC-22602-S	03/07/2000	1042336.31	754228.66	651.94*
SC-22602-U	03/24/2000	1042326.75	754252.62	648.30
SC-22603-S	03/07/2000	1042320.28	754257.29	652.77*
SC-22603-U	03/24/2000	1042310.39	754281.13	649.17
SC-22604-C	03/07/2000	1042303.27	754304.22	653.01*
SC-22604-S	03/07/2000	1042304.24	754285.90	652.90*
SC-22604-U	03/24/2000	1042294.24	754309.52	649.88
SC-22605-S	03/07/2000	1042288.28	754314.58	653.52*
SC-22605-U	03/24/2000	1042276.01	754338.38	651.10
SC-22606-S	06/07/2000	1042323.66	754184.04	647.60
SC-22607-S	06/07/2000	1042307.70	754212.74	646.09
SC-22608-S	06/03/2000	1042291.41	754241.28	644.25
SC-22609-S	06/03/2000	1042275.13	754270.47	642.76
SC-22610-S	06/03/2000	1042259.88	754298.42	642.10
SC-22611-S	04/06/2000	1042295.27	754167.76	657.65
SC-22612-S	05/23/2000	1042279.14	754196.47	648.53
SC-22613-S	06/03/2000	1042263.10	754225.32	643.07
SC-22614-S	06/03/2000	1042247.02	754254.20	643.72
SC-22615-S	06/03/2000	1042231.21	754282.64	642.57
SC-22616-C	05/23/2000	1042272.21	754175.62	649.18
SC-22617-S	05/23/2000	1042250.48	754180.35	647.91
SC-22618-S	06/03/2000	1042234.09	754209.54	641.43
SC-22619-S	06/03/2000	1042218.21	754238.12	637.52

SC-22620-S	06/03/2000	1042202.53	754266.42	634.56
SC-22622-S	05/23/2000	1042221.69	754164.57	649.22
SC-22623-S	06/03/2000	1042205.56	754193.29	639.51
SC-22624-S	06/03/2000	1042190.16	754221.44	634.25
SC-22625-S	06/03/2000	1042173.90	754250.48	626.64
SC-22701-S	03/29/1999	1042432.44	754056.88	661.50
SC-22701-S-01	07/15/1999	1042432.61	754057.27	651.02
SC-22701-U	03/30/2000	1042393.84	754131.62	644.61
SC-22702-S	03/29/1999	1042416.37	754085.50	652.33
SC-22702-S-01	07/15/1999	1042416.72	754085.62	652.46
SC-22702-U	03/30/2000	1042377.44	754159.54	646.07
SC-22703-C	03/31/1999	1042406.24	754133.13	648.22
SC-22703-C-RS	03/22/2000	1042406.21	753132.85	651.28
SC-22703-S	03/31/1999	1042400.39	754114.18	653.22
SC-22703-U	03/30/2000	1042361.18	754187.64	646.84
SC-22704-S	03/22/2000	1042384.44	754142.84	652.18
SC-22704-U	06/07/2000	1042371.67	754097.72	648.90
SC-22705-C	03/07/2000	1042366.90	754189.49	652.61*
SC-22705-C-RS	03/22/2000	1042366.86	754189.51	649.70
SC-22705-S	03/07/2000	1042368.39	754171.44	651 94*
SC-22705-S-RS	03/22/2000	1042368.17	754171.52	652.09
SC-22705-U	06/07/2000	1042387.76	754068.98	649.53
SC-22706-S	03/29/1999	1042404.09	754041.00	661.56
SC-22706-S-01	05/24/1999	1042404.24	754041.17	650.89
SC-22706-S-01-RS	07/15/1999	1042404.58	754039.07	649.72*
SC-22707-S	03/29/1999	1042387.77	754069.48	654.24
SC-22707-S-01	07/15/1999	1042388.34	754069.67	650.85
SC-22708-S	03/31/1999	1042371.76	754098.17	654.15
SC-22709-S	06/07/2000	1042355.73	754126.80	649.69
SC-22710-S	06/07/2000	1042339.49	754155.52	649.55
SC-22711-S	03/29/1999	1042375.32	754024.89	660.75
SC-22711-S-01	05/24/1999	1042376.11	754023.07	654.72*
SC-22712-S	03/29/1999	1042359.81	754051.54	655 19*
SC-22712-S-01	05/24/1999	1042359.42	754053.58	654.65
SC-22713-S	03/31/1999	1042343.05	754082.13	655.44
SC-22713-S-HSO1	04/07/1999	1042345.62	754081.42	655.09*
SC-22713-S-HSO2	04/07/1999	1042342.11	754079.66	655 14*
SC-22713-S-HSO3	04/07/1999	1042341.08	754083.32	655.17*
SC-22713-S-HSO4	04/07/1999	1042343.86	754084.35	655.08*
SC-22713-S-RS	05/21/1999	1042343.36	754082.19	654.18
SC-22714-S	06/07/2000	1042327.19	754110.60	653.76
SC-22715-S	06/07/2000	1042311.00	754139.50	654.48
SC-22715-S-RS	06/28/2000	1042311.03	754139.25	652.36
SC-22716-S	03/29/1999	1042346.42	754008.78	661.20
SC-22716-S-01	05/24/1999	1042348.25	754009.99	656.02*
SC-22717-S	03/29/1999	1042330.33	754037.37	655.42
SC-22718-S	06/07/2000	1042314.17	754066.16	657.06
SC-22721-S	03/29/1999	1042317.96	753992.83	661.38
SC-22722-S	03/29/1999	1042301.71	754021.33	656.62
SC-22723-S	06/07/2000	1042285.91	754050.08	658.94
SC-22801-S-01	07/15/1999	1042620.53	754124.64	649.42
SC-22802-S	03/29/1999	1042604.11	754153.01	657.94
SC-22802-S-01	07/15/1999	1042604.29	754153.26	648.31
SC-22803-S	03/31/1999	1042588.25	754181.69	649.11
SC-22803-S-RS	04/22/1999	1042588.40	754181.56	646.73

SC-22804-S	03/31/1999	1042572.32	754210.34	644.07
SC-22805-S-01	07/15/1999	1042591.98	754108.74	646.91
SC-22806-S	03/29/1999	1042575.82	754137.12	660.95
SC-22806-S-01	07/15/1999	1042575.90	754137.17	649.08
SC-22807-S	03/31/1999	1042559.99	754165.64	648.63
SC-22808-S	03/31/1999	1042543.46	754194.29	645.61
SC-22809-S	05/07/1999	1042563.22	754092.49	653.14
SC-22809-S-01	07/15/1999	1042563.26	754092.53	648.40
SC-22810-S	03/29/1999	1042547.01	754121.02	661.15
SC-22810-S-01	07/15/1999	1042547.09	754121.18	648.04
SC-22811-S	03/31/1999	1042530.85	754149.65	649.51
SC-22811-S-HS01	04/08/1999	1042533.86	754148.62	647.90*
SC-22811-S-HS02	04/08/1999	1042529.66	754147.45	647.87*
SC-22811-S-HS03	04/08/1999	1042528.73	754151.19	648.10*
SC-22811-S-HS04	04/08/1999	1042532.46	754152.59	648.09*
SC-22812-C	03/31/1999	1042524.00	754193.56	642.23
SC-22812-S	03/31/1999	1042514.90	754178.27	645.05
SC-22813-S	05/07/1999	1042534.54	754076.25	652.45
SC-22813-S-01	07/15/1999	1042534.73	754076.73	648.22
SC-22814-S	03/29/1999	1042518.20	754104.91	661.25
SC-22814-S-01	07/15/1999	1042518.53	754105.12	647.44
SC-22815-S	03/31/1999	1042502.50	754133.56	650.09
SC-22816-S	03/31/1999	1042486.34	754162.23	647.77
SC-22817-S	04/14/1999	1042505.91	754060.20	651.27
SC-22817-S-01	07/15/1999	1042505.73	754060.48	650.99
SC-22818-S	03/29/1999	1042489.70	754088.96	661.50
SC-22818-S-01	07/15/1999	1042489.81	754089.07	648.67
SC-22819-S	03/31/1999	1042473.79	754117.55	650.37
SC-22820-C	03/31/1999	1042467.44	754162.24	643.68
SC-22820-S	03/31/1999	1042457.74	754146.19	648.44
SC-22821-S	04/14/1999	1042477.40	754044.30	652.47
SC-22821-S-01	07/15/1999	1042477.39	754044.46	652.20
SC-22822-S	03/29/1999	1042461.02	754072.91	661.31
SC-22822-S-01	07/15/1999	1042461.15	754072.98	650.68
SC-22823-S	03/29/1999	1042444.91	754101.51	651.38
SC-22824-S	03/31/1999	1042428.85	754130.27	650.05
SC-22901-S	05/07/1999	1042792.27	754220.59	653.81
SC-22901-S-01	07/16/1999	1042792.03	754220.85	642.03
SC-22902-S	03/29/1999	1042776.03	754249.25	657.73
SC-22902-S-01	07/16/1999	1042775.69	754249.19	641.70
SC-22903-S	04/01/1999	1042760.10	754277.87	650.94
SC-22904-S	04/01/1999	1042744.16	754306.54	635.24
SC-22905-S	05/07/1999	1042763.44	754204.56	652.64
SC-22905-S-01	07/15/1999	1042763.55	754204.89	643.05
SC-22906-S	03/29/1999	1042747.33	754233.18	658.44
SC-22906-S-01	07/15/1999	1042747.22	754233.41	641.36
SC-22907-S	04/01/1999	1042731.43	754261.83	649.76
SC-22907-S-01	07/13/1999	1042731.28	754262.50	642.29
SC-22908-S	04/01/1999	1042715.15	754290.40	638.02
SC-22909-S	05/07/1999	1042734.94	754188.53	652.81
SC-22909-S-01	07/15/1999	1042734.82	754188.71	643.63
SC-22910-S	03/29/1999	1042718.68	754217.16	658.91
SC-22910-S-01	07/15/1999	1042718.95	754217.23	642.40
SC-22911-S	03/31/1999	1042702.61	754245.78	648.64
SC-22912-S	04/01/1999	1042686.89	754274.47	639.48

SC-22913-S	05/07/1999	1042706.44	754172.44	653.03
SC-22913-S-01	07/15/1999	1042706.25	754172.74	645.19
SC-22913-S-RS	05/18/1999	1042706.58	754172.21	651.56*
SC-22913-S-RS2	05/21/1999	1042706.39	754172.70	650.64
SC-22914-S	03/29/1999	1042690.42	754201.26	658.88
SC-22914-S-01	07/15/1999	1042690.30	754201.18	644.15
SC-22915-S	03/31/1999	1042674.17	754229.78	648.80
SC-22916-S	03/31/1999	1042657.99	754258.38	642.97
SC-22917-S	05/07/1999	1042677.67	754156.37	653.71
SC-22917-S-01	07/15/1999	1042677.44	754156.54	646.96
SC-22918-S	03/29/1999	1042661.44	754185.11	659.65
SC-22918-S-01	07/15/1999	1042661.82	754185.19	645.59
SC-22919-S	03/31/1999	1042645.51	754213.75	644.95
SC-22920-S	03/31/1999	1042629.83	754242.44	640.52
SC-22921-S	05/07/1999	1042648.96	754140.69	652.70
SC-22921-S-01	07/15/1999	1042648.73	754140.67	648.57
SC-22922-S	03/29/1999	1042632.52	754168.94	660.15
SC-22922-S-01	07/15/1999	1042632.80	754169.40	646.82
SC-22923-S	03/31/1999	1042616.85	754197.72	644.80
SC-22924-S	03/31/1999	1042600.80	754226.35	640.11
SC-23001-S	06/23/1999	1042963.77	754316.73	639.04*
SC-23002-S	03/29/1999	1042947.85	754345.43	656.09
SC-23002-S-01	06/23/1999	1042947.95	754345.42	639.28*
SC-23003-S	04/01/1999	1042931.75	754374.02	649.11
SC-23004-S	04/01/1999	1042915.53	754402.57	635.33
SC-23005-S	06/01/1999	1042935.56	754300.86	654.73
SC-23005-S-01	06/23/1999	1042935.16	754300.53	639.65*
SC-23006-S	03/29/1999	1042918.88	754329.28	655.58
SC-23006-S-01	06/23/1999	1042919.72	754329.50	640.12*
SC-23007-S	04/01/1999	1042903.06	754357.98	649.36
SC-23007-S-HS01	04/09/1999	1042905.39	754357.04	648.41*
SC-23007-S-HS02	04/09/1999	1042903.69	754360.24	647.28*
SC-23007-S-HS03	04/09/1999	1042900.97	754358.92	646.91*
SC-23007-S-HS04	04/09/1999	1042902.10	754355.91	647.86*
SC-23008-S	04/01/1999	1042887.05	754386.61	635.43
SC-23009-S	06/01/1999	1042906.93	754285.07	653.70
SC-23009-S-01	06/23/1999	1042906.32	754284.58	640.67*
SC-23010-S	03/29/1999	1042890.23	754313.23	656.38
SC-23010-S-01	06/23/1999	1042889.80	754313.28	640.41*
SC-23011-S	04/01/1999	1042874.53	754341.97	649.33
SC-23012-S	04/01/1999	1042858.44	754370.58	635.31
SC-23013-S	06/01/1999	1042878.11	754268.88	655.11
SC-23013-S-01	07/19/1999	1042877.84	754268.83	637.73
SC-23014-S	03/29/1999	1042861.82	754297.29	656.97
SC-23014-S-01	07/19/1999	1042861.95	754297.27	638.64
SC-23015-S	04/01/1999	1042845.81	754325.93	649.95
SC-23016-S	04/01/1999	1042829.82	754354.56	635.52
SC-23017-S	06/01/1999	1042849.64	754252.68	655.02
SC-23017-S-01	07/19/1999	1042849.60	754252.84	639.09
SC-23018-S	03/29/1999	1042833.50	754281.38	657.96
SC-23018-S-01	07/19/1999	1042833.25	754281.43	639.61
SC-23018-S-HS01	04/06/1999	1042835.71	754280.30	652.78*
SC-23018-S-HS02	04/06/1999	1042832.60	754278.75	652.81*
SC-23018-S-HS03	04/06/1999	1042830.85	754282.25	652.59*
SC-23018-S-HS04	04/06/1999	1042833.77	754283.62	652.54*

SC-23018-S-RS	04/20/1999	1042833.17	754281.28	655.85
SC-23019-S	04/01/1999	1042816.85	754309.81	649.93
SC-23019-S-01	07/13/1999	1042816.69	754310.30	634.73
SC-23020-C	04/01/1999	1042808.06	754356.75	636.57
SC-23020-S	04/09/1999	1042801.15	754338.58	644.20*
SC-23021-S	06/01/1999	1042821.16	754236.88	652.34
SC-23021-S-01	07/19/1999	1042820.88	754236.91	639.39
SC-23022-S	03/29/1999	1042804.99	754265.41	657.19
SC-23022-S-01	07/19/1999	1042804.94	754265.72	641.68
SC-23023-C	04/01/1999	1042794.83	754316.19	640.48
SC-23023-S	04/01/1999	1042788.56	754293.86	650.56
SC-23024-S	04/01/1999	1042772.87	754322.59	635.34
SC-23101-S	03/29/1999	1043101.38	754205.87	654.69
SC-23101-S-01	07/19/1999	1043101.46	754205.76	645.84
SC-23102-C	03/29/1999	1043087.97	754254.82	652.94
SC-23102-S	03/29/1999	1043085.24	754234.38	654.99
SC-23102-S-01	07/19/1999	1043084.94	754234.42	645.44
SC-23103-S	03/29/1999	1043069.23	754263.01	654.60
SC-23103-S-01	07/19/1999	1043069.23	754262.95	645.23
SC-23104-C	03/29/1999	1043056.78	754312.56	651.92
SC-23104-S	03/29/1999	1043053.08	754291.55	654.44
SC-23104-S-01	07/19/1999	1043053.11	754291.82	645.35
SC-23105-S	03/29/1999	1043037.37	754320.33	652.83
SC-23105-S-01	07/23/1999	1043037.21	754320.02	641.02*
SC-23106-C	03/29/1999	1043025.76	754370.39	646.28
SC-23106-C-RS	04/06/1999	1043027.44	754368.65	644.70
SC-23106-S	03/29/1999	1043021.02	754348.82	652.49
SC-23106-S-01	06/23/1999	1043020.97	754348.48	636.85*
SC-23107-S	03/29/1999	1043004.99	754377.44	652.66
SC-23107-S-01	06/23/1999	1043004.93	754377.63	637.93*
SC-23108-C	04/01/1999	1042995.06	754428.34	640.82
SC-23108-S	04/01/1999	1042989.03	754406.07	640.76
SC-23109-S	04/01/1999	1042972.63	754434.56	642.73
SC-23110-S	03/29/1999	1043072.49	754189.60	661.38
SC-23110-S-01	07/19/1999	1043072.49	754189.67	644.11
SC-23110-S-HS01	04/06/1999	1043074.70	754188.63	662.32*
SC-23110-S-HS02	04/06/1999	1043071.81	754187.46	662.35*
SC-23110-S-HS03	04/06/1999	1043070.28	754190.35	662.35*
SC-23110-S-HS04	04/06/1999	1043072.98	754191.97	662.32*
SC-23110-S-RS	04/20/1999	1043072.68	754189.90	660.35
SC-23111-S	03/29/1999	1043056.29	754218.11	661.67
SC-23111-S-01	07/19/1999	1043056.67	754218.58	644.11
SC-23111-S-HS01	04/06/1999	1043058.70	754217.85	659.26*
SC-23111-S-HS02	04/06/1999	1043055.98	754216.14	659.35*
SC-23111-S-HS03	04/06/1999	1043054.47	754218.96	659.32*
SC-23111-S-HS04	04/06/1999	1043056.88	754220.57	659.25*
SC-23111-S-RS	04/20/1999	1043056.36	754218.18	660.45
SC-23111-S-RS2	04/25/1999	1043056.22	754218.68	659.22
SC-23112-S	03/29/1999	1043040.54	754246.92	661.35
SC-23112-S-01	07/19/1999	1043040.59	754246.88	643.81
SC-23113-S	03/29/1999	1043024.51	754275.56	662.37
SC-23113-S-01	07/19/1999	1043024.63	754275.95	643.46
SC-23114-S	03/29/1999	1043008.54	754304.20	661.91
SC-23114-S-01	07/19/1999	1043008.63	754304.06	644.40
SC-23115-S	03/29/1999	1042992.52	754332.82	661.40

SC-23115-S-01	06/23/1999	1042992.23	754332.68	638.20*
SC-23116-S	03/29/1999	1042976.32	754361.39	656.12
SC-23116-S-01	06/23/1999	1042976.32	754361.06	639.09*
SC-23117-S	04/01/1999	1042960.27	754390.02	648.73
SC-23118-S	04/01/1999	1042944.68	754418.33	635.67
SC-23119-S	06/07/1999	1043044.07	754173.74	644.21
SC-23119-S-01	07/19/1999	1043043.94	754173.77	641.36
SC-23120-S	06/07/1999	1043028.18	754202.26	644.85
SC-23120-S-01	07/19/1999	1043028.01	754202.57	640.90
SC-23121-S	06/07/1999	1043012.20	754231.08	646.34
SC-23121-S-01	07/19/1999	1043011.95	754231.02	640.84
SC-23122-S	06/07/1999	1042996.24	754259.44	647.74
SC-23122-S-01	07/19/1999	1042996.05	754259.71	641.44
SC-23123-S	06/07/1999	1042980.08	754287.91	651.67
SC-23123-S-01	07/19/1999	1042980.02	754288.04	642.50
SC-23201-S	02/24/1999	1043229.39	753976.65	647.03
SC-23201-S-RS	06/15/1999	1043228.72	753977.85	644.31*
SC-23201-S-RS2	06/17/1999	1043229.62	753977.25	644.05
SC-23201-U	09/10/1999	1043194.90	754067.73	641.74
SC-23202-S	02/24/1999	1043213.29	754005.21	650.49
SC-23202-S-01	08/03/1999	1043212.68	754003.38	649.19*
SC-23202-U	09/13/1999	1043196.17	754069.88	641.18
SC-23203-S	03/29/1999	1043197.35	754033.97	655.54
SC-23203-S-01	07/28/1999	1043197.56	754034.16	645.12
SC-23203-S-HS01	04/06/1999	1043199.53	754032.41	651.72*
SC-23203-S-HS02	04/06/1999	1043196.86	754031.74	652.13*
SC-23203-S-HS03	04/06/1999	1043195.02	754034.58	652.51*
SC-23203-S-HS04	04/06/1999	1043197.69	754036.26	652.12*
SC-23203-S-RS	05/04/1999	1043197.46	754033.85	654.13
SC-23204-C	03/29/1999	1043181.17	754081.54	654.49
SC-23204-C-01	07/28/1999	1043181.11	754081.43	646.26
SC-23204-C-HS01	04/06/1999	1043183.30	754061.10	654.80*
SC-23204-C-HS02	04/06/1999	1043182.23	754064.88	654.37*
SC-23204-C-HS03	04/06/1999	1043179.19	754063.64	654.34*
SC-23204-C-HS04	04/06/1999	1043180.59	754060.36	654 32*
SC-23204-C-RS	05/04/1999	1043180.79	754080.89	653.46*
SC-23204-C-RS1	05/06/1999	1043180.10	754080.10	653.09*
SC-23204-S	03/29/1999	1043181.37	754062.67	654.35
SC-23204-S-01	07/28/1999	1043181.43	754062.75	645.48
SC-23204-S-HS01	05/07/1999	1043183.30	754061.10	654.80*
SC-23204-S-HS02	05/07/1999	1043182.23	754064.88	654.37*
SC-23204-S-HS03	05/07/1999	1043179.19	754063.64	654.34*
SC-23204-S-HS04	05/07/1999	1043180.59	754060.36	654.32*
SC-23204-S-RS	05/18/1999	1043182.81	754056.90	653.90
SC-23204-S-RS2	05/01/2000	1043181.41	754062.67	643.33
SC-23205-S	03/29/1999	1043165.21	754091.07	654.95
SC-23205-S-01	07/28/1999	1043165.38	754091.34	644.29
SC-23205-S-RS	05/01/2000	1043165.32	754091.16	642.72
SC-23206-S	03/29/1999	1043149.29	754119.85	654.64
SC-23206-S-01	07/28/1999	1043149.07	754120.09	646.02
SC-23206-S-RS	05/01/2000	1043149.06	754119.73	643.68
SC-23207-C	03/29/1999	1043134.57	754168.17	654.11
SC-23207-S	03/29/1999	1043133.43	754148.65	655.22
SC-23207-S-01	07/19/1999	1043133.37	754148.65	645.77
SC-23207-S-RS	05/01/2000	1043133.40	754148.36	644.60

SC-23208-S	03/29/1999	1043117.37	754177.23	655.15
SC-23208-S-01	07/19/1999	1043117.32	754177.31	645.87
SC-23209-S	02/24/1999	1043200.53	753960.35	658.03
SC-23209-S-01	08/02/1999	1043201.07	753960.58	648.92
SC-23209-S-A (K-4)	02/24/1999	1043186.45	753952.61	655.01
SC-23209-S-B (K-4)	03/01/1999	1043186.69	753952.91	653.53
SC-23210-S	02/24/1999	1043184.74	753989.26	658.35
SC-23210-S-01	08/03/1999	1043184.76	753987.41	649.22*
SC-23210-S-A (K-3)	02/24/1999	1043170.44	753981.26	654.77
SC-23210-S-B (K-3)	03/01/1999	1043170.45	753981.29	653.00
SC-23211-S	02/24/1999	1043168.57	754017.77	658.66
SC-23211-S-01	07/28/1999	1043168.89	754017.89	645.31
SC-23211-S-A (K-2)	02/24/1999	1043154.61	754010.07	655.99
SC-23211-S-B (K-2)	03/01/1999	1043154.50	754009.99	653.06
SC-23212-S	03/29/1999	1043152.64	754046.46	661.19
SC-23212-S-01	07/28/1999	1043152.97	754046.76	644.97
SC-23212-S-A (K-1)	02/24/1999	1043138.24	754038.41	655.17
SC-23212-S-B (K-1)	03/01/1999	1043138.32	754038.47	655.12
SC-23212-S-HS01	04/06/1999	1043154.81	754045.81	659.62*
SC-23212-S-HS02	04/06/1999	1043152.19	754044.21	658.48*
SC-23212-S-HS03	04/06/1999	1043150.37	754046.84	658.30*
SC-23212-S-HS04	04/06/1999	1043152.64	754049.00	659.10*
SC-23212-S-RS	04/25/1999	1043152.65	754046.61	659.87*
SC-23212-S-RS2	05/04/1999	1043152.63	754046.73	658.65
SC-23212-S-RS3	05/01/2000	1043152.69	754046.43	643.08
SC-23213-S	03/29/1999	1043136.72	754075.24	661.73
SC-23213-S-01	07/28/1999	1043136.69	754075.20	643.54
SC-23213-S-HS01	04/06/1999	1043138.87	754073.97	661.64*
SC-23213-S-HS02	04/06/1999	1043136.02	754073.06	661.00*
SC-23213-S-HS03	04/06/1999	1043134.20	754075.57	661.18*
SC-23213-S-HS04	04/06/1999	1043137.39	754077.51	662.08*
SC-23213-S-RS	04/25/1999	1043136.66	754074.91	660.64
SC-23213-S-RS2	05/01/2000	1043136.72	754075.21	643.23
SC-23214-S	03/29/1999	1043120.64	754103.77	661.55
SC-23214-S-01	07/27/1999	1043120.62	754104.20	644.59
SC-23214-S-RS	05/01/2000	1043120.68	754103.60	643.46
SC-23214-S-RS2	07/06/2000	1043120.71	754103.72	642.27
SC-23215-S	03/29/1999	1043104.46	754132.25	661.72
SC-23215-S-01	07/19/1999	1043104.71	754132.53	644.27
SC-23215-S-RS	05/01/2000	1043104.79	754132.86	644.18
SC-23216-S	03/29/1999	1043088.71	754161.16	661.08
SC-23216-S-01	07/19/1999	1043088.57	754161.34	644.06
SC-23217-S	08/02/1999	1043172.56	753946.36	647.23
SC-23218-S	08/02/1999	1043156.24	753973.32	644.32
SC-23219-S	08/02/1999	1043140.34	754001.69	640.09
SC-23220-S	07/31/1999	1043124.01	754030.34	640.20
SC-23220-S-RS	05/01/2000	1043124.09	754030.65	643.13
SC-23221-S	07/28/1999	1043108.04	754059.60	641.28
SC-23221-S-RS	05/01/2000	1043107.98	754059.14	642.65
SC-23222-S	07/24/1999	1043092.53	754088.03	640.80
SC-23222-S-RS	05/01/2000	1043092.08	754087.84	644.02
SC-23223-S	06/07/1999	1043076.39	754116.32	642.32
SC-23223-S-01	07/28/1999	1043076.51	754116.07	642.29
SC-23223-S-RS	05/01/2000	1043075.93	754116.27	644.41
SC-23224-S	06/07/1999	1043060.11	754144.98	644.11

SC-23224-S-01	07/19/1999	1043060.32	754145.62	642.57
SC-23301-C	11/12/1999	1043019.48	754177.97	633.26
SC-23301-S	07/24/1999	1042999.37	754186.29	636.86
SC-23301-S-RS	11/12/1999	1043012.50	754184.14	633.21
SC-23301-U	11/12/1999	1043017.14	754186.05	633.50
SC-23302-S	07/24/1999	1042983.71	754214.81	636.11
SC-23303-S	07/24/1999	1042967.72	754243.85	633.93
SC-23304-S	06/07/1999	1042951.40	754272.14	641.56
SC-23304-S-01	07/19/1999	1042951.29	754272.15	637.59
SC-23305-S	07/24/1999	1042970.93	754170.35	636.74
SC-23306-S	07/24/1999	1042955.01	754198.84	635.51
SC-23307-S	07/24/1999	1042938.80	754228.14	634.67
SC-23308-S-01	07/19/1999	1042922.82	754256.13	638.23
SC-23309-S	07/24/1999	1042942.16	754154.17	636.37
SC-23310-S	07/24/1999	1042926.48	754182.87	636.97
SC-23311-S	07/24/1999	1042910.46	754211.61	636.30
SC-23312-S	07/19/1999	1042893.82	754240.12	639.21
SC-23313-S	07/24/1999	1042913.49	754138.34	638.12
SC-23314-S	07/24/1999	1042897.54	754167.05	637.92
SC-23315-S	07/24/1999	1042881.90	754195.47	638.87
SC-23316-S	07/19/1999	1042865.53	754223.94	640.66
SC-23317-S	07/24/1999	1042884.92	754122.46	638.07
SC-23318-S	07/24/1999	1042868.81	754150.73	637.43
SC-23319-S	07/24/1999	1042852.79	754179.30	637.81
SC-23320-S	07/19/1999	1042837.00	754208.25	642.09
SC-23320-S-RS	07/22/1999	1042838.04	754211.27	640.00
SC-23401-S	07/24/1999	1043063.63	754071.81	639.10
SC-23401-S-RS	07/08/2000	1043063.53	754071.83	644.26
SC-23402-S	07/24/1999	1043047.56	754100.37	638.48
SC-23402-S-RS	07/08/2000	1043047.19	754100.19	644.77
SC-23403-S	07/24/1999	1043031.98	754129.12	636.92
SC-23403-S-RS	07/08/2000	1043031.37	754129.21	644.72
SC-23404-S	07/24/1999	1043015.49	754157.92	637.00
SC-23405-S	07/24/1999	1043034.90	754055.98	638.24
SC-23405-S-RS	06/10/2000	1043034.78	754055.56	644.25
SC-23406-S	07/24/1999	1043019.08	754084.73	637.70
SC-23406-S-RS	07/08/2000	1043018.71	754084.53	644.59
SC-23407-S	07/24/1999	1043002.78	754113.37	636.54
SC-23407-S-RS	07/08/2000	1043002.46	754112.91	645.00
SC-23408-S	07/24/1999	1042986.99	754141.80	636.86
SC-23408-S-RS	07/08/2000	1042986.86	754141.81	645.00
SC-23409-S	07/24/1999	1043006.37	754039.81	638.06
SC-23409-S-RS	06/10/2000	1043006.26	754039.57	644.96
SC-23410-S	07/24/1999	1042990.32	754068.29	636.61
SC-23410-S-RS	06/10/2000	1042990.09	754068.41	644.64
SC-23411-S	07/24/1999	1042974.47	754097.32	636.17
SC-23411-S-RS	07/08/2000	1042974.51	754097.50	645.56
SC-23412-S	07/24/1999	1042958.29	754125.65	635.99
SC-23412-S-RS	07/08/2000	1042957.88	754125.38	645.03
SC-23413-S	07/24/1999	1042977.91	754023.67	640.14
SC-23413-S-RS	07/31/1999	1042977.71	754023.33	638.94
SC-23414-S	07/24/1999	1042961.73	754052.47	638.46
SC-23414-S-RS	06/10/2000	1042961.49	754052.12	645.58
SC-23415-S	07/24/1999	1042945.47	754080.84	636.94
SC-23415-S-RS	06/10/2000	1042945.31	754080.66	645.86

SC-23416-S	07/24/1999	1042929.60	754109.60	636.24
SC-23417-S	07/24/1999	1042949.20	754007.66	640.70
SC-23418-S	07/24/1999	1042933.07	754036.07	639.61
SC-23419-S	07/24/1999	1042916.99	754064.80	638.41
SC-23420-S	07/24/1999	1042901.20	754093.40	637.24
SC-23501-S	08/02/1999	1043127.56	753957.14	642.55
SC-23502-S	08/02/1999	1043111.87	753985.65	640.17
SC-23503-S	08/02/1999	1043095.78	754014.49	640.23
SC-23503-S-RS	08/06/1999	1043094.57	754014.95	636.55*
SC-23504-S	08/02/1999	1043079.86	754043.18	639.54
SC-23505-S	08/02/1999	1043099.05	753941.01	642.47
SC-23506-S	08/02/1999	1043082.65	753970.16	641.55
SC-23507-S	08/02/1999	1043067.01	753998.28	639.26
SC-23508-S	08/02/1999	1043051.28	754026.99	638.23
SC-23508-S-RS	06/10/2000	1043051.09	754026.91	644.76
SC-23509-S	07/24/1999	1043070.56	753925.72	641.99
SC-23510-S	07/24/1999	1043054.43	753954.08	641.67
SC-23511-S	07/24/1999	1043038.39	753982.56	641.47
SC-23512-S	07/24/1999	1043022.41	754011.14	639.51
SC-23513-S	07/24/1999	1043041.95	753908.97	643.47
SC-23514-S	07/24/1999	1043025.82	753937.67	643.30
SC-23515-S	07/24/1999	1043009.68	753966.27	642.95
SC-23516-S	07/24/1999	1042993.77	753994.89	640.56
SC-23517-S	07/24/1999	1043013.19	753893.02	643.43
SC-23517-S-RS	07/31/1999	1043013.27	753891.95	642.16
SC-23518-S	07/24/1999	1042997.05	753921.55	643.47
SC-23519-S	07/24/1999	1042980.97	753950.37	643.19
SC-23520-S	07/24/1999	1042965.07	753978.71	642.70
SC-23520-S-RS	07/31/1999	1042966.87	753979.67	640.99
SC-23602-S	03/31/1999	1043616.31	753554.12	647.53
SC-23602-S-01	07/27/1999	1043616.56	753554.61	647.64
SC-23603-S	03/31/1999	1043600.42	753582.71	648.38
SC-23603-S-01	07/27/1999	1043600.43	753583.16	646.48
SC-23604-S	02/22/1999	1043584.35	753611.68	646.37
SC-23604-S-01	07/27/1999	1043584.35	753611.68	646.40
SC-23606-C	03/31/1999	1043619.38	753502.44	644.74
SC-23606-C-01	07/27/1999	1043619.58	753502.66	646.79
SC-23606-S	04/05/1999	1043619.91	753480.55	645.92
SC-23606-S-01	07/27/1999	1043620.37	753481.33	645.35
SC-23607-S	03/31/1999	1043603.86	753509.44	644.99
SC-23607-S-01	07/27/1999	1043603.89	753510.00	646.78
SC-23608-S	03/31/1999	1043587.79	753538.07	650.15
SC-23608-S-01	07/27/1999	1043587.70	753538.48	647.20
SC-23609-S	03/31/1999	1043571.45	753566.78	656.83
SC-23609-S-01	07/27/1999	1043571.74	753567.11	647.48
SC-23610-S	02/22/1999	1043555.80	753595.30	659.55
SC-23610-S-01	07/27/1999	1043555.72	753595.56	647.33
SC-23611-C	02/22/1999	1043542.13	753643.19	654.98
SC-23611-C-01	07/27/1999	1043542.61	753643.53	646.33
SC-23611-S	02/22/1999	1043539.55	753624.00	660.80
SC-23611-S-01	07/27/1999	1043539.69	753624.49	647.12
SC-23612-S	02/22/1999	1043523.74	753652.54	657.79
SC-23612-S-01	07/27/1999	1043523.97	753653.11	646.70
SC-23613-S	02/22/1999	1043507.53	753681.25	653.40
SC-23613-S-01	07/27/1999	1043507.90	753681.72	646.38

SC-23614-S	02/22/1999	1043491.69	753709.78	649.11
SC-23614-S-01	07/27/1999	1043491.81	753710.19	646.27
SC-23617-S	02/22/1999	1043575.07	753493.48	650.17
SC-23617-S-01	07/27/1999	1043575.41	753493.76	646.43
SC-23618-S	02/22/1999	1043559.15	753522.01	657.79
SC-23618-S-01	07/27/1999	1043559.22	753522.45	646.79
SC-23623-C	02/22/1999	1043488.33	753690.46	657.05
SC-23623-C-01	07/27/1999	1043488.35	753690.81	646.94
SC-23625-C	02/18/1999	1043448.99	753740.97	652.73
SC-23625-C-01	07/27/1999	1043449.46	753741.50	647.31
SC-23625-S	02/18/1999	1043446.83	753722.25	659.36
SC-23625-S-01	07/27/1999	1043446.83	753722.92	647.67
SC-23626-S	02/18/1999	1043430.91	753751.16	654.96
SC-23626-S-01	07/27/1999	1043431.01	753751.51	647.84
SC-23626-S-RS	03/03/1999	1043430.23	753751.67	653.30
SC-23627-S	02/18/1999	1043414.89	753779.46	649.68
SC-23627-S-01	07/27/1999	1043414.98	753780.13	648.82
SC-23628-S	02/14/1999	1043398.86	753808.38	647.96
SC-23640-C	02/14/1999	1043394.33	753788.03	654.63
SC-23640-C-01	07/27/1999	1043394.44	753788.31	649.19
SC-23642-C	02/14/1999	1043355.95	753839.50	650.27
SC-23642-C-01	07/27/1999	1043355.84	753839.80	649.21
SC-23642-S	02/14/1999	1043354.15	753820.84	658.90
SC-23642-S-01	07/27/1999	1043354.08	753821.58	649.97
SC-23643-S	02/14/1999	1043338.17	753849.61	652.40
SC-23643-S-01	07/27/1999	1043338.26	753850.16	649.47
SC-23644-S	02/14/1999	1043322.10	753878.14	648.79
SC-23645-S	07/27/1999	1043543.02	753551.14	647.23
SC-23646-C	07/27/1999	1043532.56	753602.03	647.78
SC-23646-S	07/27/1999	1043526.82	753579.54	647.31
SC-23647-S	07/27/1999	1043511.21	753608.15	647.32
SC-23648-S	07/27/1999	1043495.01	753636.93	647.10
SC-23649-S	07/27/1999	1043479.17	753665.50	647.88
SC-23650-S	07/27/1999	1043462.83	753694.39	648.08
SC-23651-C	07/27/1999	1043460.15	753674.77	647.80
SC-23652-C	07/27/1999	1043440.82	753700.20	648.21
SC-23653-S	07/27/1999	1043418.20	753706.42	646.27
SC-23654-S	07/27/1999	1043402.27	753735.67	648.81
SC-23655-S	07/27/1999	1043386.38	753764.17	648.97
SC-23656-S	07/27/1999	1043370.35	753792.76	649.61
SC-23657-C	07/27/1999	1043365.96	753772.46	649.47
SC-23658-S	07/27/1999	1043325.55	753804.91	650.07
SC-23659-S	07/27/1999	1043309.77	753834.04	651.21
SC-23701-C	08/24/1999	1043282.73	753911.69	645.85
SC-23701-S	08/24/1999	1043277.46	753890.64	646.89
SC-23702-S	02/24/1999	1043261.49	753919.49	647.16
SC-23702-S-RS	08/25/1999	1043261.68	753919.77	645.49
SC-23703-S	02/24/1999	1043243.67	753945.39	646.53
SC-23703-S-RS	06/15/1999	1043246.27	753948.03	645.17*
SC-23705-S	08/24/1999	1043248.74	753875.07	647.25
SC-23706-S	02/01/1999	1043232.76	753903.21	651.62
SC-23706-S-01	02/24/1999	1043232.91	753903.55	651.99
SC-23706-S-RS	08/25/1999	1043233.26	753903.63	646.19
SC-23707-S	02/24/1999	1043216.78	753932.02	657.79
SC-23707-S-01	08/02/1999	1043217.13	753932.01	647.45

SC-23708-C	08/24/1999	1043239.39	753858.66	646.97
SC-23709-S	08/24/1999	1043220.85	753859.23	646.63
SC-23710-S	02/01/1999	1043204.22	753887.47	651.31
SC-23710-S-01	02/24/1999	1043204.28	753887.50	651.30
SC-23710-S-02	08/02/1999	1043204.69	753887.68	648.08
SC-23710-S-RS	08/24/1999	1043204.29	753887.63	648.20
SC-23711-S	02/01/1999	1043188.14	753915.94	661.96
SC-23711-S-01	02/24/1999	1043188.10	753915.91	658.25
SC-23711-S-02	08/02/1999	1043188.74	753916.74	647.97
SC-23711-S-A (K-7)	02/24/1999	1043180.17	753930.32	653.20
SC-23711-S-B (K-7)	03/01/1999	1043180.36	753930.57	652.33
SC-23711-S-RS	08/13/1999	1043188.62	753913.25	648.31*
SC-23713-S	08/24/1999	1043191.71	753842.69	647.96
SC-23714-S	02/01/1999	1043175.57	753871.38	652.01
SC-23714-S-01	08/02/1999	1043176.11	753871.54	651.31
SC-23714-S-RS	08/24/1999	1043175.81	753871.55	648.12
SC-23715-S	02/01/1999	1043159.46	753899.92	662.00
SC-23715-S-01	02/24/1999	1043159.60	753900.03	656.26
SC-23715-S-02	08/02/1999	1043159.72	753899.83	647.97
SC-23715-S-A (K-6)	02/24/1999	1043151.41	753914.17	651.44
SC-23715-S-B (K-6)	03/01/1999	1043151.55	753914.29	649.75
SC-23716-S	08/02/1999	1043144.43	753928.16	644.97
SC-23717-C	08/24/1999	1043181.60	753826.78	647.72
SC-23718-S	08/24/1999	1043162.86	753826.81	647.99
SC-23719-S	02/01/1999	1043146.91	753855.24	651.57
SC-23719-S-HS01	02/10/1999	1043149.35	753854.86	651.36*
SC-23719-S-HS02	02/10/1999	1043147.93	753857.59	652.30*
SC-23719-S-HS03	02/10/1999	1043145.80	753853.44	651.48*
SC-23719-S-HS04	02/10/1999	1043145.32	753856.64	652.40*
SC-23719-S-RS	08/13/1999	1043147.19	753855.53	649.54
SC-23719-S-RS2	08/25/1999	1043146.77	753856.45	649.09*
SC-23720-S	02/01/1999	1043130.93	753883.97	662.39
SC-23720-S-A (K-5)	02/24/1999	1043122.81	753898.14	655.49
SC-23720-S-RS	05/11/1999	1043131.12	753884.20	652.73
SC-23721-S	05/11/1999	1043114.89	753912.79	646.95
SC-23721-S-RS	05/18/1999	1043113.75	753912.81	646.19*
SC-23721-S-RS2	05/21/1999	1043115.07	753912.76	645.02
SC-23802-S	08/24/1999	1043134.53	753810.58	647.69
SC-23803-S	02/01/1999	1043118.31	753839.32	651.80
SC-23803-S-RS	08/25/1999	1043118.40	753839.36	649.80
SC-23804-S	02/01/1999	1043102.29	753867.92	662.67
SC-23804-S-RS	05/11/1999	1043102.49	753868.10	652.96
SC-23805-S	05/11/1999	1043086.43	753896.87	649.11
SC-23806-C	08/24/1999	1043124.15	753795.23	646.94
SC-23807-S	08/24/1999	1043105.80	753794.03	647.75
SC-23808-S	02/01/1999	1043089.69	753823.33	651.27
SC-23808-S-HS01	02/10/1999	1043091.98	753822.55	651.07*
SC-23808-S-HS02	02/10/1999	1043090.62	753826.16	652.27*
SC-23808-S-HS03	02/10/1999	1043087.15	753823.56	651.99*
SC-23808-S-HS04	02/10/1999	1043088.86	753820.97	651.05*
SC-23808-S-RS	08/25/1999	1043089.82	753823.66	649.43
SC-23809-S	02/01/1999	1043073.63	753851.77	662.86
SC-23809-S-RS	05/11/1999	1043073.92	753851.92	654.06
SC-23810-S	05/11/1999	1043057.71	753880.76	649.79
SC-23812-S	08/24/1999	1043077.23	753778.52	647.17

SC-23813-S	02/01/1999	1043061.06	753807.25	650.95
SC-23813-S-HS01	02/10/1999	1043063.60	753806.95	650.71*
SC-23813-S-HS02	02/10/1999	1043062.11	753810.08	651.86*
SC-23813-S-HS03	02/10/1999	1043058.85	753807.66	651.63*
SC-23813-S-HS04	02/10/1999	1043060.17	753804.35	650.52*
SC-23813-S-RS	08/24/1999	1043061.76	753807.06	649.46
SC-23814-S	02/01/1999	1043045.04	753835.87	662.64
SC-23814-S-RS	05/11/1999	1043045.29	753836.04	654.31
SC-23815-S	05/11/1999	1043029.23	753864.57	651.11
SC-23816-C	08/24/1999	1043067.05	753763.87	647.33
SC-23816-C-HS01	09/01/1999	1043069.79	753765.61	647.40*
SC-23816-C-HS02	09/01/1999	1043066.72	753766.68	647.30*
SC-23816-C-HS03	09/01/1999	1043063.05	753765.30	647.25*
SC-23816-C-HS04	09/01/1999	1043063.51	753762.54	647.34*
SC-23817-S	08/24/1999	1043048.86	753762.81	646.96
SC-23818-S	02/01/1999	1043032.41	753791.15	650.78
SC-23819-S	02/01/1999	1043016.41	753819.97	662.03
SC-23819-S-RS	05/11/1999	1043016.46	753819.92	653.10
SC-23820-S	05/11/1999	1043000.36	753848.77	651.34
SC-23821-S	08/24/1999	1043019.89	753746.31	646.64
SC-23822-S	02/01/1999	1043003.78	753775.04	650.14
SC-23823-S	02/01/1999	1042987.78	753803.80	660.99
SC-23823-S-RS	05/11/1999	1042987.94	753804.17	651.97
SC-23824-S	05/11/1999	1042971.77	753833.02	650.36
SC-23901-U	08/18/1999	1042884.63	753790.63	643.65
SC-23902-S	08/24/1999	1042991.27	753730.76	646.60
SC-23902-U	08/18/1999	1042913.78	753779.33	643.14
SC-23903-S	02/01/1999	1042975.18	753759.24	650.13
SC-23903-S-01	09/26/1999	1042975.34	753759.41	647.71
SC-23903-S-RS	08/04/1999	1042975.32	753759.51	648.75
SC-23903-U	08/18/1999	1042943.63	753763.70	641.85
SC-23904-S	02/01/1999	1042959.15	753787.48	660.47
SC-23904-S-01	09/26/1999	1042959.66	753788.27	649.98
SC-23904-S-01-HS01	09/30/1999	1042961.32	753787.06	649.99*
SC-23904-S-01-HS02	09/30/1999	1042960.22	753790.24	649 93*
SC-23904-S-01-HS03	09/30/1999	1042956.39	753787.38	649 52*
SC-23904-S-01-HS04	09/30/1999	1042958.86	753784.40	649 72*
SC-23904-S-RS	05/11/1999	1042959.41	753788.02	651.10
SC-23904-U	08/18/1999	1042961.57	753752.90	642.86
SC-23905-S	05/11/1999	1042943.53	753816.61	650.76
SC-23905-S-01	09/26/1999	1042943.46	753816.53	648.83
SC-23905-S-RS	05/19/1999	1042945.05	753819.06	649.18
SC-23907-S	08/24/1999	1042963.08	753714.58	644.53
SC-23908-S	02/01/1999	1042946.55	753743.02	648.88
SC-23908-S-01	09/26/1999	1042946.85	753743.20	646.54
SC-23908-S-RS	08/04/1999	1042946.49	753743.47	648.12
SC-23909-S	02/01/1999	1042930.51	753771.74	659.81
SC-23909-S-01	09/26/1999	1042930.52	753772.18	642.55
SC-23910-S	05/07/1999	1042914.13	753800.63	651.72
SC-23910-S-01	09/26/1999	1042914.73	753800.77	647.70
SC-23912-S	08/24/1999	1042934.57	753698.26	643.31
SC-23913-S	02/01/1999	1042917.91	753727.12	648.08
SC-23913-S-01	09/26/1999	1042918.06	753727.21	646.42
SC-23913-S-RS	08/04/1999	1042918.03	753727.44	647.64
SC-23914-S	02/01/1999	1042901.90	753755.60	660 75

SC-23914-S-01	09/26/1999	1042902.42	753756.30	645.73
SC-23915-S	05/07/1999	1042885.84	753784.66	650.32
SC-23915-S-01	09/26/1999	1042884.63	753790.63	643.65
SC-23917-S	08/24/1999	1042920.41	753656.06	642.46*
SC-23918-S	08/24/1999	1042905.60	753681.98	642.54
SC-23919-S	02/01/1999	1042889.29	753711.11	648.03
SC-23919-S-01	09/26/1999	1042889.60	753711.30	644.20
SC-23919-S-RS	08/04/1999	1042889.06	753711.35	647.40
SC-23920-S	02/01/1999	1042873.28	753739.55	659.90
SC-23920-S-01	09/26/1999	1042873.55	753739.71	645.55
SC-23921-S	05/07/1999	1042857.26	753768.67	650.80
SC-23921-S-01	09/26/1999	1042857.50	753767.57	646.34
SC-24001-S	07/24/1999	1042984.57	753877.10	643.28
SC-24001-S-RS	07/31/1999	1042986.77	753876.78	642.27
SC-24002-S	07/24/1999	1042968.50	753905.54	643.22
SC-24003-S	07/24/1999	1042952.42	753934.20	642.91
SC-24003-S-RS	07/31/1999	1042952.00	753935.41	641.86
SC-24004-S	07/24/1999	1042936.27	753962.97	642.76
SC-24005-S	07/24/1999	1042955.68	753861.14	643.27
SC-24006-S	07/24/1999	1042940.10	753889.58	643.20
SC-24006-S-RS	07/31/1999	1042940.53	753889.81	641.99
SC-24007-S	07/24/1999	1042923.77	753918.34	643.08
SC-24008-S	07/24/1999	1042907.85	753946.81	643.08
SC-24008-S-RS	07/31/1999	1042907.89	753946.81	641.65
SC-24009-S	07/24/1999	1042927.29	753845.11	643.01
SC-24010-S	07/16/1999	1042911.38	753873.63	643.26
SC-24011-S	07/16/1999	1042895.41	753902.40	642.74
SC-24012-S	07/24/1999	1042881.15	753931.24	643.02
SC-24013-S	07/16/1999	1042899.05	753829.15	643.46
SC-24014-S	07/16/1999	1042882.81	753857.67	643.18
SC-24015-S	07/16/1999	1042866.49	753886.22	643.47
SC-24016-S	06/29/1999	1042850.74	753914.87	642.28
SC-24017-S	07/16/1999	1042870.08	753813.19	643.46
SC-24018-S	06/29/1999	1042853.99	753841.45	642.28
SC-24019-S	06/29/1999	1042838.04	753870.02	642.42
SC-24020-S	06/29/1999	1042821.93	753898.76	642.19
SC-24101-S	07/24/1999	1042920.37	753991.38	641.29
SC-24101-S-RS	07/31/1999	1042921.14	753990.70	639.93
SC-24102-S	07/24/1999	1042904.71	754020.18	640.59
SC-24103-S	07/24/1999	1042888.41	754048.72	639.83
SC-24104-S	07/24/1999	1042872.59	754077.58	639.47
SC-24105-S	07/24/1999	1042891.86	753975.37	641.97
SC-24106-S	07/24/1999	1042875.88	754004.16	641.04
SC-24107-S	07/24/1999	1042860.00	754032.83	640.85
SC-24108-S	07/24/1999	1042843.91	754061.48	640.73
SC-24109-S	06/29/1999	1042864.61	753958.52	642.09
SC-24110-S	06/29/1999	1042847.61	753988.37	641.82
SC-24110-S-RS	07/15/1999	1042851.24	753989.96	640.99
SC-24111-S	06/25/1999	1042831.11	754016.76	641.85
SC-24111-S-RS	07/15/1999	1042830.27	754017.85	640.43
SC-24112-S	07/24/1999	1042815.14	754045.45	641.25
SC-24113-S	06/29/1999	1042834.68	753943.67	642.34
SC-24114-S	06/29/1999	1042819.00	753972.38	642.51
SC-24115-S	06/25/1999	1042802.77	754000.92	641.99
SC-24116-S	06/25/1999	1042786.35	754029.85	642.50

SC-24117-S	06/29/1999	1042806.43	753927.46	642.33
SC-24118-S	06/29/1999	1042790.17	753956.27	642.40
SC-24119-S	06/25/1999	1042774.20	753985.29	641.87
SC-24120-S	06/25/1999	1042757.76	754013.15	642.33
SC-24201-S	07/24/1999	1042856.30	754106.23	637 06
SC-24202-S	07/24/1999	1042840.20	754134.57	637.04
SC-24203-S	07/24/1999	1042824.34	754163.32	638.05
SC-24204-S	07/24/1999	1042808.38	754192.04	638.79
SC-24205-S	07/24/1999	1042827.98	754090.38	637.82
SC-24205-S-RS	07/31/1999	1042826.29	754091.87	636.41
SC-24206-S	07/24/1999	1042811.61	754118.67	638.55
SC-24207-S	07/24/1999	1042795.79	754147.44	638.47
SC-24208-S	07/24/1999	1042779.67	754175.87	639.46
SC-24209-S	07/24/1999	1042799.12	754073.90	641.64
SC-24210-S	07/24/1999	1042782.90	754102.55	641.26
SC-24211-S	07/24/1999	1042767.42	754131.43	639.92
SC-24212-S	07/24/1999	1042751.30	754159.89	641 59
SC-24213-S	06/29/1999	1042770.82	754058.04	642.31
SC-24214-S	06/29/1999	1042754.71	754086.72	642 26
SC-24215-S	07/16/1999	1042738.01	754115.48	641.72
SC-24216-S	07/16/1999	1042722.60	754144.00	643.28
SC-24216-S-RS	07/20/1999	1042726.47	754140.60	641.38
SC-24217-S	06/29/1999	1042742.06	754042.05	642.06
SC-24218-S	06/29/1999	1042725.68	754070.54	642.60
SC-24219-S	07/16/1999	1042709.70	754099.33	642.33
SC-24220-S	07/16/1999	1042693.68	754128.18	643.51
SC-24301-S	06/29/1999	1042713.48	754025.81	641.96
SC-24302-S	06/29/1999	1042697.16	754054.66	642.91
SC-24303-S	07/16/1999	1042681.24	754083.57	642.62
SC-24303-S-RS	07/20/1999	1042682.04	754084.05	641 64
SC-24304-S	07/16/1999	1042665.16	754112.09	643.94
SC-24304-S-RS	07/20/1999	1042668.11	754111.09	642.45
SC-24305-S	06/29/1999	1042684.66	754009.77	642 65
SC-24306-S	06/29/1999	1042668.51	754038.51	642.64
SC-24307-S	07/16/1999	1042652.55	754067.16	643.30
SC-24307-S-RS	07/20/1999	1042653.68	754067.84	641.82
SC-24308-S	07/16/1999	1042636.73	754095.80	643.92
SC-24308-S-RS	07/20/1999	1042638.40	754095.52	642 94
SC-24309-S	06/25/1999	1042655.79	753993.73	642.68
SC-24310-S	06/25/1999	1042640.14	754022.52	642.84
SC-24311-S	07/16/1999	1042623.92	754051.29	643 37
SC-24312-S	07/16/1999	1042608.05	754079.91	643.84
SC-24313-S	06/18/1999	1042627.12	753978.25	642.70
SC-24314-S	06/18/1999	1042611.43	754007.15	642.98
SC-24315-S	06/18/1999	1042594.78	754035.44	642.82
SC-24316-S	06/18/1999	1042579.13	754064.22	643.67
SC-24317-S	06/18/1999	1042598.83	753962.47	642.63
SC-24318-S	06/18/1999	1042582.84	753990.55	642.95
SC-24319-S	06/18/1999	1042566.76	754019.40	643.35
SC-24320-S	06/18/1999	1042550.54	754047.87	643.76
SC-24401-S	06/29/1999	1042777.81	753911.49	642.84
SC-24402-S	06/29/1999	1042761.46	753940.08	642.36
SC-24403-S	06/25/1999	1042745.18	753969.03	642.34
SC-24404-S	06/25/1999	1042729.16	753997.51	642.36
SC-24405-S	06/29/1999	1042749.00	753895.36	642.71

SC-24406-S	06/29/1999	1042732.34	753923.86	642.78
SC-24407-S	06/25/1999	1042716.42	753953.08	642.75
SC-24408-S	06/25/1999	1042700.94	753981.48	642.82
SC-24409-S	06/25/1999	1042720.55	753879.50	642.45
SC-24410-S	06/25/1999	1042704.09	753907.80	642.25
SC-24411-S	06/25/1999	1042688.61	753936.86	642.48
SC-24412-S	06/25/1999	1042672.20	753965.58	643.09
SC-24413-S	06/25/1999	1042691.36	753863.47	642.07
SC-24414-S	06/25/1999	1042675.67	753891.77	641.63
SC-24415-S	06/25/1999	1042659.31	753921.05	641.98
SC-24416-S	06/18/1999	1042643.42	753949.60	643.20
SC-24417-S	06/25/1999	1042663.36	753847.26	641.98
SC-24418-S	06/25/1999	1042647.16	753876.05	641.82
SC-24419-S	06/25/1999	1042630.89	753905.05	642.36
SC-24419-S-RS	07/15/1999	1042632.16	753903.20	641.03*
SC-24420-S	06/18/1999	1042615.07	753933.86	642.59
SC-24501-S	06/29/1999	1042841.38	753797.60	643.08
SC-24502-S	06/29/1999	1042825.46	753825.63	642.40
SC-24503-S	06/29/1999	1042810.11	753854.00	642.13
SC-24504-S	06/29/1999	1042793.56	753882.66	642.55
SC-24505-S	06/25/1999	1042812.47	753781.11	643.03
SC-24506-S	06/29/1999	1042796.90	753809.66	642.38
SC-24506-S-RS	07/27/1999	1042796.59	753809.52	641.20*
SC-24507-S	06/29/1999	1042781.05	753838.20	642.43
SC-24508-S	06/29/1999	1042764.26	753866.38	642.92
SC-24509-S	06/25/1999	1042783.86	753764.93	642.66
SC-24510-S	06/25/1999	1042767.77	753794.72	641.51
SC-24511-S	06/25/1999	1042752.69	753822.21	642.57
SC-24512-S	06/25/1999	1042736.37	753850.85	642.22
SC-24513-S	06/25/1999	1042755.79	753748.79	642.34
SC-24514-S	06/25/1999	1042739.30	753777.63	642.69
SC-24515-S	06/25/1999	1042724.16	753806.06	642.25
SC-24516-S	06/25/1999	1042707.50	753834.58	642.28
SC-24517-S	06/25/1999	1042727.21	753732.71	643.33
SC-24518-S	06/25/1999	1042710.62	753761.65	642.65
SC-24518-S-RS	07/15/1999	1042712.53	753758.91	641.46
SC-24519-S	06/25/1999	1042695.36	753790.12	641.75
SC-24520-S	06/25/1999	1042678.71	753818.11	642.63
SC-24602-S	11/18/1999	1042892.77	753667.56	637.23
SC-24603-S	09/26/1999	1042877.21	753666.70	642.09
SC-24604-S	02/01/1999	1042860.65	753695.11	647.46
SC-24604-S-01	09/26/1999	1042861.80	753693.05	642.67
SC-24604-S-RS	08/04/1999	1042860.75	753695.23	647.13
SC-24605-S	02/01/1999	1042844.66	753723.54	659.88
SC-24605-S-01	09/26/1999	1042845.96	753723.52	644.11
SC-24606-S	05/07/1999	1042828.87	753752.53	651.06
SC-24606-S-01	09/26/1999	1042829.02	753752.06	644.73
SC-24608-S	11/18/1999	1042864.20	753621.63	636.56
SC-24609-S	09/26/1999	1042848.36	753650.72	640.12
SC-24610-S	02/01/1999	1042832.04	753679.03	647.85
SC-24610-S-01	09/26/1999	1042832.01	753679.55	641.69
SC-24610-S-RS	08/04/1999	1042831.87	753679.53	646.78
SC-24611-S	02/01/1999	1042815.96	753707.83	659.49
SC-24611-S-01	09/26/1999	1042816.33	753707.53	643.26
SC-24612-S	05/07/1999	1042799.70	753736.54	651.04

SC-24612-S-01	09/26/1999	1042800.38	753736.61	644.61
SC-24614-S	09/28/1999	1042835.80	753605.60	635.00
SC-24615-S	09/28/1999	1042820.83	753633.43	639.78
SC-24616-S	02/01/1999	1042803.47	753662.76	647.51
SC-24616-S-01	09/26/1999	1042803.55	753662.83	641.15
SC-24616-S-RS	08/04/1999	1042803.16	753663.62	646.81
SC-24617-S	02/01/1999	1042787.43	753691.49	660.41
SC-24617-S-01	09/26/1999	1042787.49	753691.24	642.94
SC-24617-S-HS01	02/10/1999	1042790.38	753691.01	659.80*
SC-24617-S-HS02	02/10/1999	1042788.17	753694.30	660.69*
SC-24617-S-HS03	02/10/1999	1042784.98	753692.01	660.67*
SC-24617-S-HS04	02/10/1999	1042787.18	753689.01	659.80*
SC-24617-S-RS	07/28/1999	1042786.71	753692.32	659.84
SC-24618-S	05/07/1999	1042771.13	753720.66	651.90
SC-24618-S-01	09/26/1999	1042771.05	753720.70	645.20
SC-24621-S	09/28/1999	1042790.91	753617.69	637.40
SC-24622-S	02/01/1999	1042774.76	753647.01	647.64
SC-24622-S-01	09/26/1999	1042775.25	753646.82	643.25
SC-24622-S-RS	08/04/1999	1042774.76	753647.26	646.60
SC-24623-S	02/01/1999	1042758.81	753675.44	659.53
SC-24623-S-01	09/26/1999	1042759.03	753675.56	644.19
SC-24624-S	05/07/1999	1042742.54	753704.42	652.17
SC-24624-S-01	09/26/1999	1042742.37	753704.85	645.94
SC-24624-S-RS01	09/21/1999	1042501.40	754029.67	642.86
SC-24701-S	06/09/1999	1042586.10	753917.58	642.40
SC-24702-S	06/09/1999	1042570.05	753946.02	641.73
SC-24703-S	06/09/1999	1042553.52	753974.30	642.54
SC-24704-S	06/09/1999	1042537.58	754003.11	642.79
SC-24705-S	06/09/1999	1042521.85	754031.83	643.32
SC-24705-S-RS01	06/17/1999	1042501.40	754029.67	642.86
SC-24706-S	06/09/1999	1042557.56	753901.34	641.69
SC-24707-S	06/09/1999	1042541.27	753929.69	642.67
SC-24708-S	06/09/1999	1042525.33	753958.49	642.13
SC-24709-S	06/09/1999	1042509.35	753987.07	642.47
SC-24710-S	06/09/1999	1042493.62	754015.99	642.88
SC-24710-S-RS	06/17/1999	1042493.43	754015.84	642.10
SC-24711-S	06/09/1999	1042529.23	753885.21	642.18
SC-24712-S	06/09/1999	1042512.95	753913.84	642.77
SC-24713-S	06/09/1999	1042496.81	753942.39	642.29
SC-24714-S	06/09/1999	1042480.81	753971.16	642.57
SC-24715-S	06/09/1999	1042464.96	753999.97	642.89
SC-24715-S-RS01	06/17/1999	1042475.58	754006.90	642.09
SC-24716-S	04/14/1999	1042448.62	754028.14	653.90
SC-24716-S-01	07/15/1999	1042447.65	754028.29	653.17
SC-24716-S-RS01	06/17/1999	1042447.87	754016.19	647.12
SC-24716-S-RS01-RS	06/24/1999	1042447.66	754014.75	649.48
SC-24717-S	06/09/1999	1042500.62	753868.94	642.27
SC-24718-S	06/09/1999	1042484.65	753897.79	642.77
SC-24719-S	06/09/1999	1042468.43	753926.54	642.42
SC-24720-S	06/09/1999	1042452.38	753955.03	642.93
SC-24721-S	06/09/1999	1042436.21	753983.53	643.29
SC-24722-S	04/14/1999	1042419.84	754012.17	647.69
SC-24801-S	06/09/1999	1042471.89	753853.15	641.72
SC-24802-S	06/09/1999	1042455.86	753881.75	642.11
SC-24803-S	06/09/1999	1042439.95	753910.58	643.21

SC-24804-S	06/09/1999	1042423.90	753939.25	643.44
SC-24805-S	06/09/1999	1042407.55	753967.53	643.92
SC-24806-S	04/14/1999	1042391.41	753996.01	652.28
SC-24807-S	06/09/1999	1042443.00	753837.14	642.82
SC-24808-S	06/09/1999	1042427.56	753865.52	642.55
SC-24809-S	06/09/1999	1042410.86	753894.24	643.98
SC-24810-S	06/09/1999	1042394.96	753922.58	644.40
SC-24811-S	06/09/1999	1042378.85	753951.44	644.56
SC-24812-S	04/14/1999	1042362.67	753980.09	651.42
SC-24813-S	06/04/1999	1042414.53	753821.12	651.84
SC-24814-S	06/04/1999	1042398.26	753849.66	651.77
SC-24815-S	06/04/1999	1042382.30	753878.13	651.09
SC-24816-S	06/04/1999	1042366.31	753907.05	651.35
SC-24816-S-RS01	06/17/1999	1042385.24	753902.36	645.93
SC-24816-S-RS02	06/17/1999	1042353.32	753909.69	656.08
SC-24817-S	06/04/1999	1042350.16	753935.55	651.35
SC-24817-S-RS01	06/17/1999	1042353.15	753933.37	650.07
SC-24818-S	04/14/1999	1042334.18	753964.05	654.28
SC-24818-S-RS01	06/17/1999	1042324.52	753966.84	657.61
SC-24818-S-RS02	06/17/1999	1042334.36	753966.39	655.74
SC-24818-S-RS02-RS	06/24/1999	1042334.77	753966.97	654.11
SC-24901-S	06/16/1999	1042666.54	753774.06	642.56
SC-24901-S-RS	06/23/1999	1042663.48	753775.65	641.39
SC-24902-S	06/16/1999	1042649.97	753802.68	642.58*
SC-24903-S	06/09/1999	1042633.94	753831.53	642.37
SC-24904-S	06/09/1999	1042618.39	753859.94	642.50
SC-24904-S-RS	06/23/1999	1042617.31	753858.34	641.22
SC-24905-S	06/09/1999	1042602.26	753888.56	642.69
SC-24905-S-RS	06/23/1999	1042601.49	753887.31	641.44
SC-24906-S	06/16/1999	1042637.78	753757.93	642.16
SC-24907-S	06/18/1999	1042621.22	753786.39	641.88
SC-24908-S	06/09/1999	1042605.53	753815.46	641.86
SC-24909-S	06/09/1999	1042589.40	753843.98	642.38
SC-24909-S-RS	06/23/1999	1042589.70	753843.38	641.41
SC-24910-S	06/09/1999	1042573.56	753872.57	642.14
SC-24911-S	06/16/1999	1042608.97	753742.05	642.21
SC-24912-S	06/16/1999	1042592.97	753770.44	642.51
SC-24913-S	06/09/1999	1042577.18	753799.15	642.26
SC-24914-S	06/09/1999	1042561.02	753828.02	642.05
SC-24915-S	06/09/1999	1042545.29	753856.66	641.67
SC-24916-S	06/16/1999	1042579.89	753726.29	642.81
SC-24917-S	06/16/1999	1042565.21	753754.77	642.97
SC-24917-S-RS	06/23/1999	1042563.60	753755.49	642.02
SC-24918-S	06/09/1999	1042548.38	753783.13	642.53
SC-24919-S	06/09/1999	1042532.65	753811.79	642.47
SC-24919-S-RS	06/23/1999	1042534.78	753812.53	641.08
SC-24920-S	06/09/1999	1042516.45	753840.54	642.52
SC-25001-S	06/23/1999	1042551.70	753710.59	641.15
SC-25002-S	06/16/1999	1042535.69	753738.59	643.25
SC-25003-S	06/09/1999	1042519.87	753767.34	642.96
SC-25004-S	06/09/1999	1042503.91	753795.79	642.92
SC-25005-S	06/09/1999	1042487.99	753824.38	642.41
SC-25006-S	06/16/1999	1042523.16	753694.68	641.80
SC-25007-S	06/16/1999	1042506.84	753722.78	641.49
SC-25008-S	06/09/1999	1042490.98	753751.18	643.33

SC-25009-S	06/09/1999	1042474.95	753779.83	642.85
SC-25010-S	06/09/1999	1042458.86	753808.27	642.79
SC-25011-S	06/16/1999	1042494.24	753677.91	647.29*
SC-25011-S-RS	06/23/1999	1042491.48	753676.88	647.69
SC-25012-S	06/04/1999	1042478.53	753706.43	650.35
SC-25013-S	06/04/1999	1042462.38	753735.09	650.12
SC-25014-S	06/04/1999	1042446.36	753763.80	650.11
SC-25015-S	06/04/1999	1042430.58	753792.62	648.29
SC-25016-S	06/08/1999	1042465.84	753661.85	659.26
SC-25017-S	06/04/1999	1042449.63	753690.50	661.14
SC-25021-S	06/08/1999	1042437.22	753645.96	657.03
SC-25023-S	10/26/1999	1042408.67	753629.80	658.91
SC-25101-S	09/27/1999	1042778.70	753573.35	628.00
SC-25102-S	09/27/1999	1042762.91	753602.20	637.00
SC-25103-S	02/01/1999	1042746.12	753631.00	644.87
SC-25103-S-01	09/26/1999	1042746.29	753630.80	643.97
SC-25104-S	02/01/1999	1042730.14	753659.51	660.97
SC-25104-S-01	09/26/1999	1042730.72	753659.62	645.73
SC-25105-S	05/07/1999	1042714.19	753688.50	652.87
SC-25105-S-01	09/26/1999	1042713.95	753688.66	646.74
SC-25106-S	06/16/1999	1042698.07	753716.80*	642.69*
SC-25107-S	06/23/1999	1042682.28	753745.81	641.37
SC-25108-S	09/27/1999	1042750.05	753557.84	630.91
SC-25109-S	09/27/1999	1042735.20	753585.45	642.76
SC-25110-S	02/01/1999	1042717.52	753614.91	646.42
SC-25110-S-01	09/26/1999	1042717.68	753614.84	644.86
SC-25111-S	02/01/1999	1042701.48	753643.58	660.08
SC-25111-S-01	09/26/1999	1042701.67	753643.48	646.73
SC-25112-S	05/07/1999	1042685.47	753672.57	652.34
SC-25112-S-01	09/26/1999	1042685.58	753672.33	647.63
SC-25113-S	06/16/1999	1042669.74	753700.72	643.12
SC-25114-S	06/16/1999	1042653.57	753729.69	642.42
SC-25115-S	10/01/1999	1042720.79	753541.81	633.25
SC-25116-S	10/01/1999	1042705.16	753570.12	644.13
SC-25117-S	02/01/1999	1042688.97	753598.77	647 85
SC-25117-S-01	09/26/1999	1042688.76	753598.82	645.87
SC-25117-S-RS	08/04/1999	1042688.95	753599.24	647.49
SC-25118-S	02/01/1999	1042672.87	753627.51	659.74
SC-25118-S-01	09/26/1999	1042673.74	753626.57	647.38
SC-25118-S-HS01	02/10/1999	1042675.36	753626.61	659.07*
SC-25118-S-HS02	02/10/1999	1042673.76	753630.50	659.99*
SC-25118-S-HS03	02/10/1999	1042670.47	753629.00	660.03*
SC-25118-S-HS04	02/10/1999	1042672.57	753625.31	659.22*
SC-25118-S-RS	07/28/1999	1042673.20	753627.55	658.41
SC-25119-S	05/07/1999	1042657.33	753656.52	653.20
SC-25119-S-01	09/26/1999	1042656.97	753656.21	648.76
SC-25120-S	06/16/1999	1042641.15	753685.26	642.72
SC-25121-S	06/16/1999	1042624.70	753713.76	642.93
SC-25201-S	09/27/1999	1042906.59	753344.22	626.39
SC-25202-C	09/27/1999	1042893.43	753393.39	627.14
SC-25202-S	09/27/1999	1042890.76	753372.66	627.02
SC-25203-S	09/27/1999	1042874.83	753401.96	626.66
SC-25204-C	09/27/1999	1042861.76	753450.55	626.87
SC-25204-S	09/27/1999	1042858.91	753430.69	626.26
SC-25205-S	09/27/1999	1042842.38	753459.09	626.67

SC-25206-C	09/27/1999	1042829.63	753507.67	627.50
SC-25206-S	09/27/1999	1042827.08	753487.65	626.48
SC-25207-S	09/27/1999	1042810.28	753516.23	626.57
SC-25208-S	09/27/1999	1042794.87	753545.25	626.36
SC-25209-S	09/27/1999	1042877.90	753328.37	623.71
SC-25210-S	09/27/1999	1042861.52	753356.82	627.02
SC-25211-S	09/27/1999	1042845.69	753385.16	627.10
SC-25212-S	09/27/1999	1042830.88	753414.00	626.74
SC-25213-S	09/27/1999	1042814.01	753442.85	627.26
SC-25214-S	09/27/1999	1042798.20	753471.66	627.10
SC-25215-S	09/27/1999	1042781.87	753500.49	626.31
SC-25216-S	09/27/1999	1042766.19	753529.07	626.36
SC-25217-S	10/01/1999	1042849.35	753312.46	626.58
SC-25218-S	10/01/1999	1042833.50	753340.88	628.74
SC-25219-S	10/01/1999	1042817.57	753370.07	629.03
SC-25220-S	10/01/1999	1042800.85	753398.63	630.79
SC-25221-S	10/01/1999	1042785.54	753427.13	630.23
SC-25222-S	10/01/1999	1042769.60	753455.85	630.35
SC-25223-S	10/01/1999	1042753.70	753484.13	629.69
SC-25224-S	10/01/1999	1042737.26	753513.05	630.53
SC-25301-C	09/27/1999	1042971.10	753230.00	633.71
SC-25302-S	09/27/1999	1042955.19	753258.29	626.41
SC-25303-C	09/27/1999	1042941.18	753307.44	626.67
SC-25303-S	09/27/1999	1042939.42	753287.19	626.86
SC-25304-S	09/27/1999	1042923.01	753315.18	623.70
SC-25306-S	10/02/1998	1042941.92	753214.14	643.49
SC-25307-S	09/27/1999	1042926.43	753241.85	627.61
SC-25307-S-RS	10/02/1999	1042928.77	753240.56	625.96
SC-25308-S	09/27/1999	1042910.52	753271.97	626.43
SC-25309-S	09/27/1999	1042894.31	753299.38	625.06
SC-25310-S	07/08/1998	1042929.37	753169.32	664.45
SC-25310-S-01	10/06/1999	1042929.54	753169.04	626.38
SC-25311-S	07/08/1998	1042913.37	753198.38	650.71
SC-25311-S-01	10/06/1999	1042913.78	753198.10	626.98
SC-25311-S-02	10/02/1998	1042913.54	753198.11	646.09
SC-25312-S	09/27/1999	1042897.23	753226.75	633.64*
SC-25312-S-01	10/06/1999	1042896.79	753226.78	625.95
SC-25313-S	10/06/1999	1042881.86	753255.58	622.07
SC-25314-S	10/01/1999	1042865.73	753284.02	623.12
SC-25315-C	07/08/1998	1042919.22	753153.15	665.65
SC-25315-C-01	10/06/1999	1042918.65	753153.18	626.59
SC-25315-C-02	10/02/1998	1042919.37	753153.03	650.24
SC-25316-S	07/08/1998	1042900.79	753153.37	665.64
SC-25316-S-01	10/06/1999	1042900.99	753153.55	627.86
SC-25316-S-02	10/02/1998	1042900.60	753153.44	650.44
SC-25317-S	07/08/1998	1042884.49	753182.46	651.05
SC-25317-S-01	10/06/1999	1042885.28	753181.93	628.81
SC-25317-S-02	10/02/1998	1042884.73	753181.98	648.05
SC-25318-S	10/06/1999	1042869.38	753211.05	628.46
SC-25319-S	10/06/1999	1042853.07	753239.11	621.66
SC-25320-S	10/01/1999	1042837.17	753267.65	625.01
SC-25320-S-RS	10/20/1999	1042836.35	753267.88	618.29*
SC-25321-C	07/08/1998	1042890.37	753138.10	665.33
SC-25321-C-01	10/06/1999	1042890.76	753138.01	628.87
SC-25321-C-02	10/02/1998	1042890.34	753138.18	650.43

SC-25322-S	07/08/1998	1042871.93	753137.44	665.41
SC-25322-S-01	10/06/1999	1042872.50	753137.49	629.58
SC-25322-S-02	10/02/1998	1042871.86	753137.44	650.52
SC-25323-S	07/08/1998	1042855.95	753166.07	650.57
SC-25323-S-01	10/06/1999	1042856.82	753166.79	630.25
SC-25323-S-02	10/02/1998	1042856.02	753166.03	649.83
SC-25324-S	10/06/1999	1042840.41	753194.50	627.91
SC-25325-C	10/20/1999	1042833.36	753246.03	618.96*
SC-25325-S	10/01/1999	1042824.92	753223.42	627.20
SC-25326-S	10/01/1999	1042808.25	753251.88	627.38
SC-25401-C	09/03/1999	1042861.19	753122.15	650.00*
SC-25401-C-RS	09/24/1999	1042861.09	753122.22	632.89*
SC-25402-S	07/08/1998	1042843.51	753121.43	666.44
SC-25402-S-01	10/06/1999	1042843.77	753121.43	630.39
SC-25402-S-02	10/02/1998	1042843.48	753121.37	651.28
SC-25403-S	07/08/1998	1042827.41	753150.04	651.42
SC-25403-S-01	10/06/1999	1042828.17	753150.03	631.46
SC-25403-S-02	10/02/1998	1042827.39	753149.99	649.03
SC-25404-S	10/15/1999	1042811.90	753178.64	630.52
SC-25405-S	10/15/1999	1042795.71	753207.19	631.07
SC-25406-C	07/08/1998	1042833.32	753105.10	664.81
SC-25406-C-01	10/06/1999	1042834.26	753105.28	630.84
SC-25406-C-02	10/02/1998	1042833.64	753105.26	651.21
SC-25407-S	07/08/1998	1042814.67	753105.29	665.53
SC-25407-S-01	10/06/1999	1042815.09	753104.81	632.76
SC-25408-S	07/08/1998	1042798.90	753134.01	650.10
SC-25408-S-01	10/06/1999	1042799.27	753133.66	632.98
SC-25408-S-02	10/02/1998	1042798.72	753133.99	650.05
SC-25409-S	10/15/1999	1042783.36	753162.75	632.45
SC-25410-S	10/15/1999	1042767.29	753191.31	630.69
SC-25412-S	07/08/1998	1042786.17	753089.26	665.15
SC-25412-S-01	10/06/1999	1042786.63	753088.74	634.25
SC-25413-S	07/08/1998	104277022.00	753117.72	648.57
SC-25413-S-01	10/06/1999	1042770.64	753117.48	634.07
SC-25413-S-02	10/02/1998	1042770.28	753117.94	649.21
SC-25414-S	09/15/1999	1042754.66	753146.46	632.63
SC-25415-S	10/14/1999	1042738.47	753175.11	630.48
SC-25417-S	07/08/1998	1042757.34	753073.33	665.02
SC-25417-S-01	10/06/1999	1042757.86	753073.21	635.32
SC-25418-S	07/08/1998	1042741.49	753101.92	651.40
SC-25418-S-01	10/06/1999	1042741.82	753101.84	636.51
SC-25418-S-02	10/02/1998	1042741.45	753101.93	649.20
SC-25419-S	09/15/1999	1042725.85	753130.27	635.85
SC-25420-S	10/14/1999	1042709.84	753159.05	631.29
SC-25501-S	10/01/1999	1042821.06	753296.53	625.68
SC-25502-S	10/01/1999	1042805.17	753325.50	629.25
SC-25503-S	10/01/1999	1042788.91	753353.78	629.43
SC-25504-S	10/01/1999	1042793.12	753281.72	627.52
SC-25505-S	10/15/1999	1042776.07	753309.20	629.26
SC-25506-S	10/15/1999	1042760.34	753337.88	629.40
SC-25507-S	10/15/1999	1042779.23	753235.21	627.91
SC-25508-S	10/15/1999	1042763.64	753264.63	628.14
SC-25509-S	10/15/1999	1042747.77	753292.87	628.63
SC-25510-S	10/15/1999	1042731.64	753321.66	629.25
SC-25511-S	10/15/1999	1042750.51	753219.83	628.35

SC-25512-S	10/15/1999	1042734.99	753248.43	627.74
SC-25512-S-RS	10/23/1999	1042735.95	753248.62	622.77
SC-25513-S	10/15/1999	1042719.02	753277.09	628.24
SC-25513-S-RS	10/23/1999	1042719.06	753277.51	626.93
SC-25514-S	10/15/1999	1042702.60	753305.70	628.66
SC-25514-S-RS	10/23/1999	1042703.47	753305.96	626.93
SC-25515-S	10/15/1999	1042722.62	753203.85	628.75
SC-25516-S	10/15/1999	1042706.38	753232.11	628.46
SC-25517-S	10/15/1999	1042690.05	753260.79	627.29
SC-25518-S	10/14/1999	1042674.41	753289.42	629.46
SC-25519-S	10/14/1999	1042694.04	753187.65	629.82
SC-25520-S	10/14/1999	1042677.87	753216.21	628.96
SC-25521-S	10/14/1999	1042661.80	753244.99	628.07
SC-25522-S	10/14/1999	1042645.60	753273.57	628.48
SC-25601-S	10/01/1999	1042773.14	753382.81	629.60
SC-25602-S	10/01/1999	1042757.32	753411.45	629.28
SC-25603-S	10/01/1999	1042740.69	753440.03	628.63
SC-25604-S	10/01/1999	1042724.69	753468.55	629.32
SC-25605-S	10/15/1999	1042743.99	753366.27	629.15
SC-25606-S	10/14/1999	1042728.00	753395.01	629.89
SC-25607-S	10/14/1999	1042712.04	753423.58	630.22
SC-25608-S	10/14/1999	1042696.08	753452.44	629.99
SC-25609-S	10/14/1999	1042715.49	753350.26	629.60
SC-25610-S	10/14/1999	1042699.31	753379.15	630.93
SC-25611-S	10/14/1999	1042683.47	753407.52	631.38
SC-25612-S	10/14/1999	1042667.43	753436.14	630.57
SC-25613-S	10/14/1999	1042686.90	753334.36	630.51
SC-25614-S	10/14/1999	1042670.88	753362.88	632.24
SC-25615-S	10/14/1999	1042655.02	753391.30	631.41
SC-25616-S	10/14/1999	1042638.91	753420.15	631.63
SC-25617-S	10/14/1999	1042658.04	753318.42	630.92
SC-25618-S	10/14/1999	1042642.09	753346.95	632.62
SC-25619-S	10/14/1999	1042626.22	753375.42	632.79
SC-25620-S	10/14/1999	1042610.39	753404.16	632.14
SC-25701-S	10/14/1999	1042708.49	753497.05	630.23
SC-25702-S	10/14/1999	1042692.53	753525.51	633.01
SC-25703-S	10/01/1999	1042676.38	753554.97	645.90
SC-25704-S	02/01/1999	1042660.36	753582.70	648.24
SC-25704-S-01	09/26/1999	1042660.52	753583.07	646.48
SC-25705-S	10/22/1999	1042679.67	753481.05	627.48
SC-25706-S	10/14/1999	1042663.94	753509.66	631.58
SC-25707-S	10/01/1999	1042648.00	753538.14	645.29
SC-25708-S	10/01/1999	1042631.70	753566.71	646.49
SC-25709-S	10/14/1999	1042651.32	753464.70	630.65
SC-25710-S	10/14/1999	1042636.01	753493.87	633.77
SC-25711-S	10/01/1999	1042618.90	753522.34	644.70
SC-25712-S	10/01/1999	1042603.37	753550.54	646.63
SC-25713-S	10/14/1999	1042622.98	753448.58	631.20
SC-25714-S	10/14/1999	1042606.78	753477.25	633.28
SC-25715-S	10/01/1999	1042591.19	753506.33	646.06
SC-25716-S	10/01/1999	1042574.64	753534.99	647.15
SC-25717-S	10/14/1999	1042594.02	753432.84	631.66
SC-25718-S	10/14/1999	1042578.09	753461.50	635.29
SC-25719-S	10/01/1999	1042562.31	753490.02	646.23
SC-25720-S	10/01/1999	1042546.17	753518.43	646.63

SC-25801-S	02/01/1999	1042644.22	753611.52	660.25
SC-25801-S-01	09/26/1999	1042644.34	753611.69	648.56
SC-25802-S	05/07/1999	1042628.12	753640.19	654.85
SC-25802-S-01	09/26/1999	1042628.51	753639.95	649.47
SC-25803-S	06/23/1999	1042611.60	753669.52	641.59
SC-25804-S	06/23/1999	1042596.35	753697.37	641 55
SC-25805-S	08/04/1999	1042615.90	753595.76	655.23
SC-25805-S-01	09/27/1999	1042615.94	753595.20	649.53
SC-25806-S	05/07/1999	1042599.65	753624.48	654.24
SC-25806-S-01	09/27/1999	1042600.05	753623.70	650.52
SC-25807-S	06/18/1999	1042583.64	753652.68	642.71
SC-25808-S	06/23/1999	1042567.88	753681.10	641.28
SC-25809-S	08/04/1999	1042587.31	753579.65	659 11
SC-25809-S-01	09/27/1999	1042586.75	753579.42	650 65
SC-25810-S	05/07/1999	1042570.61	753608.24	654.26
SC-25810-S-01	09/27/1999	1042571.76	753607.48	653.62
SC-25811-S	06/16/1999	1042555.24	753636.95	644.04
SC-25812-S	06/16/1999	1042539.98	753665.84	643.01
SC-25813-S	08/04/1999	1042558.64	753563.79	659.09
SC-25813-S-01	09/27/1999	1042558.84	753563.11	651.88
SC-25814-S	05/07/1999	1042542.31	753592.04	653.46*
SC-25814-S-01	09/27/1999	1042542.77	753591.84	654.44
SC-25815-S	06/16/1999	1042526.50	753620.87	646.41
SC-25816-S	06/16/1999	1042510.25	753648.99	646.08
SC-25817-S	08/04/1999	1042529.92	753547.82	654.81
SC-25817-S-01	09/27/1999	1042530.10	753547.72	651.27
SC-25818-S	05/07/1999	1042513.76	753575.97	652.14*
SC-25818-S-01	09/27/1999	1042513.83	753575.65	651.63
SC-25819-S	06/08/1999	1042497.70	753604.73	647.99
SC-25820-S	06/08/1999	1042481.89	753633.14	650.07
SC-25901-S-RS	08/04/1999	1042501.23	753531.50	648.22
SC-25902-S-RS	08/04/1999	1042485.65	753558.95	647.89*
SC-25903-C	06/08/1999	1042475.39	753611.12	649.43
SC-25903-S	06/08/1999	1042469.11	753588.62	650.11
SC-25904-S	06/08/1999	1042453.13	753616.99	652.92
SC-25904-S-RS	06/15/1999	1042453.75	753617.43	650.76
SC-25905-C	10/26/1999	1042478.68	753537.53	647.67
SC-25905-S	10/26/1999	1042472.94	753515.56	648.28
SC-25906-S	10/26/1999	1042456.97	753544.15	650.22
SC-25907-S	10/26/1999	1042440.46	753572.59	651.45
SC-25908-S	10/26/1999	1042424.44	753601.17	653.72*
SC-25909-S	10/26/1999	1042444.05	753499.43	646.62
SC-25909-S-RS	11/03/1999	1042444.59	753499.37	645.88
SC-25910-S	10/26/1999	1042427.89	753527.51	649.41
SC-25910-S-RS	11/03/1999	1042430.75	753526.25	647.13
SC-25911-S	10/26/1999	1042412.55	753556.40	653.06
SC-25912-C	10/26/1999	1042405.90	753605.68	656.82
SC-25912-S	10/26/1999	1042396.07	753585.35	656.44
SC-25912-S-RS	11/03/1999	1042397.46	753585.10	655.08
SC-25913-S	10/13/1999	1042415.48	753483.33	649.16
SC-25914-S	10/26/1999	1042399.56	753511.41	649.75
SC-25915-S	10/26/1999	1042383.26	753540.94	654.54
SC-25917-S	10/13/1999	1042387.32	753466.79	649.29
SC-25918-S	10/13/1999	1042370.99	753495.65	651.29
SC-25919-C	10/26/1999	1042367.27	753543.38	656.82

SC-25919-S	10/26/1999	1042354.87	753524.50	657.03
SC-25920-S	10/13/1999	1042358.65	753450.73	651.39
SC-25921-S	10/26/1999	1042342.21	753479.65	655.64
SC-25923-C	10/26/1999	1042336.73	753457.22	654.75
SC-25923-S	10/26/1999	1042329.67	753435.09	653.94
SC-26001-S	10/14/1999	1042565.37	753416.67	632.98
SC-26002-S	10/14/1999	1042549.85	753445.20	636.23
SC-26003-S	10/22/1999	1042533.92	753473.67	645.77
SC-26004-S	10/26/1999	1042517.44	753502.99	645.93
SC-26005-S	10/14/1999	1042536.84	753401.17	634.49
SC-26006-S	10/22/1999	1042521.15	753429.33	634.06
SC-26007-S	10/22/1999	1042505.16	753457.74	643.56
SC-26008-S	10/26/1999	1042488.82	753486.95	646.31
SC-26009-S	10/22/1999	1042508.19	753384.96	633.04
SC-26010-S	10/22/1999	1042492.50	753412.97	636.31
SC-26011-S	10/26/1999	1042476.17	753441.70	643.54
SC-26012-S	10/26/1999	1042460.76	753470.21	645.47
SC-26013-S	10/22/1999	1042479.62	753368.86	636.49
SC-26014-S	10/22/1999	1042463.69	753397.49	639.42
SC-26015-S	10/26/1999	1042447.96	753425.79	645.64
SC-26015-S-RS	11/03/1999	1042448.68	753426.88	643.54
SC-26016-S	10/13/1999	1042431.99	753454.44	647.08
SC-26017-S	10/22/1999	1042451.04	753352.57	640.73
SC-26018-S	10/22/1999	1042435.18	753381.14	642.44
SC-26019-S	10/26/1999	1042419.07	753409.91	646.05
SC-26020-S	10/13/1999	1042403.50	753437.66	647.70
SC-26101-S	10/15/1999	1042630.14	753302.70	629.30
SC-26102-S	10/14/1999	1042613.72	753330.68	630.73
SC-26103-S	10/14/1999	1042597.91	753359.54	633.02
SC-26104-S	10/14/1999	1042581.79	753387.82	632.84
SC-26105-S	10/14/1999	1042601.21	753286.30	630.93
SC-26106-S	10/14/1999	1042585.17	753315.18	632.04
SC-26107-S	10/14/1999	1042569.16	753343.67	632.36
SC-26108-S	10/14/1999	1042553.01	753372.26	633.96
SC-26109-S	10/14/1999	1042572.68	753270.17	632.70
SC-26110-S	10/14/1999	1042556.27	753299.19	633.27
SC-26111-S	10/14/1999	1042540.09	753327.78	634.28
SC-26112-S	10/22/1999	1042524.64	753355.74	631.57
SC-26113-S	10/14/1999	1042543.78	753254.21	633.96
SC-26114-S	10/14/1999	1042528.32	753282.65	634.50
SC-26115-S	10/14/1999	1042511.95	753311.40	635.31
SC-26116-S	10/22/1999	1042495.71	753340.11	634.14
SC-26117-S	10/14/1999	1042515.49	753238.37	635.92
SC-26118-S	10/14/1999	1042499.14	753266.54	635.56
SC-26119-S	10/14/1999	1042483.14	753295.59	635.15
SC-26120-S	10/22/1999	1042467.39	753323.90	637.65
SC-26201-S	10/14/1999	1042681.68	753143.47	632.47
SC-26202-S	10/14/1999	1042665.26	753171.68	630.79
SC-26203-S	10/14/1999	1042649.30	753200.26	629.84
SC-26204-S	10/22/1999	1042634.13	753229.93	627.36
SC-26205-S	10/14/1999	1042617.23	753257.57	630.59
SC-26206-S	10/14/1999	1042652.75	753127.17	635.07
SC-26207-S	10/14/1999	1042636.66	753155.67	631.45
SC-26208-S	10/14/1999	1042619.89	753183.39	629.72
SC-26209-S	10/14/1999	1042604.57	753212.77	630.72

SC-26210-S	10/14/1999	1042588.62	753241.39	631.57
SC-26211-S	09/15/1999	1042623.94	753110.98	639.43
SC-26212-S	09/15/1999	1042607.92	753139.64	635.85
SC-26213-S	09/15/1999	1042591.70	753168.16	634.57
SC-26214-S	10/14/1999	1042575.78	753196.93	633.43
SC-26215-C	10/20/1999	1042559.95	753246.77	633.07*
SC-26215-S	10/14/1999	1042559.86	753225.54	633.14
SC-26216-S	09/15/1999	1042595.08	753095.11	641.72
SC-26217-S	09/15/1999	1042577.18	753120.90	641.84*
SC-26217-S-HS01	10/02/1999	1042579.29	753123.86	640.27
SC-26217-S-RS01	10/13/1999	1042569.39	753129.07	639.56
SC-26218-S	09/15/1999	1042559.28	753157.74	637.48
SC-26218-S-HS01	10/02/1999	1042561.75	753154.37	638.24
SC-26218-S-HS02	10/02/1999	1042562.17	753150.16	639.13
SC-26218-S-RS02	10/13/1999	1042560.86	753151.40	638 14
SC-26219-S	09/15/1999	1042547.49	753178.71	638.31*
SC-26219-S-HS01	10/02/1999	1042547.24	753180.71	637.09
SC-26219-S-RS01	10/13/1999	1042559.28	753157.74	637.48
SC-26220-S	10/14/1999	1042531.23	753209.55	636.96
SC-26301-C	07/08/1998	1042748.26	753056.14	663.42
SC-26301-C-01	10/06/1999	1042748.62	753055.96	636.37
SC-26302-S	07/08/1998	1042728.95	753057.29	665.55
SC-26302-S-01	10/06/1999	1042729.73	753057.23	637.52
SC-26303-S	07/08/1998	1042712.84	753085.89	650.32
SC-26303-S-01	10/06/1999	1042713.57	753086.14	637.83
SC-26303-S-02	10/02/1998	1042712.83	753085.91	650.63
SC-26304-S	09/15/1999	1042696.01	753114.88	638.85
SC-26306-S	07/08/1998	1042700.29	753041.25	664.96
SC-26306-S-01	10/06/1999	1042700.88	753041.69	639.38
SC-26307-S	07/08/1998	1042684.20	753069.86	650.63
SC-26307-S-01	10/06/1999	1042685.01	753069.86	640.13
SC-26307-S-02	10/02/1998	1042684.35	753069.84	649.60
SC-26308-S	09/15/1999	1042668.34	753098.36	639.72
SC-26309-C-01	10/06/1999	1042691.83	753025.69	639.90
SC-26310-S	07/08/1998	1042671.65	753025.22	664.83
SC-26310-S-01	10/06/1999	1042672.46	753025.40	640.50
SC-26311-S	07/08/1998	1042655.62	753053.85	649.92
SC-26311-S-01	10/06/1999	1042656.19	753053.77	641.72
SC-26311-S-02	10/02/1998	1042655.62	753053.86	649.68
SC-26312-S	09/15/1999	1042634.26	753083.19	644.71*
SC-26312-S-HS01	10/02/1999	1042639.83	753082.62	642.11
SC-26312-S-RS01	10/13/1999	1042617.51	753079.02	642.71
SC-26314-S	07/08/1998	1042642.99	753009.66	664.62
SC-26314-S-01	10/06/1999	1042643.55	753009.07	641.82
SC-26315-S	07/08/1998	1042627.01	753037.83	653.17
SC-26315-S-01	10/06/1999	1042627.68	753037.74	642.64
SC-26315-S-02	10/02/1998	1042626.88	753037.91	650.28
SC-26316-S	09/15/1999	1042617.51	753079.02	644.35
SC-26318-S	09/30/1999	1042614.64	752993.29	641.98
SC-26319-S	07/08/1998	1042598.30	753021.76	658.10
SC-26319-S-01	09/30/1999	1042598.55	753021.78	643.35
SC-26320-S	09/15/1999	1042582.12	753050.22	646 71
SC-26320-S-RS	11/12/1999	1042584.13	753048.70	644.72*
SC-26321-S-HS01	10/02/1999	1042565.07	753069.23	645.05*
SC-26321-S-HS02	10/02/1999	1042563.43	753065.31	644.98*

SC-26321-S-RS01	10/13/1999	1042565.57	753069.35	643.10
SC-26321-S-RS02	10/15/1999	1042561.28	753064.17	641.34
SC-26321-S-RS02-RS	10/23/1999	1042562.87	753065.47	640.76
SC-26323-S	07/08/1998	1042569.78	753005.77	664.23
SC-26323-S-01	09/30/1999	1042569.99	753006.24	644.79
SC-26324-S	07/08/1998	1042553.76	753034.41	656.86
SC-26324-S-RS	09/02/1999	1042554.19	753035.97	645.62*
SC-26401-S	09/15/1999	1042566.58	753079.11	644.35
SC-26401-S-HS01	10/02/1999	1042566.37	753079.03	644.19*
SC-26401-S-RS01	10/13/1999	1042558.35	753088.96	641.70
SC-26402-S	09/15/1999	1042550.63	753107.53	641.16
SC-26402-S-HS01	10/02/1999	1042552.01	753109.61	641.32*
SC-26402-S-RS01	10/15/1999	1042544.22	753009.06	639.96
SC-26402-S-RS02	10/23/1999	1042543.32	753100.81	639.01
SC-26403-S	09/15/1999	1042534.49	753136.13	641.09
SC-26403-S-HS01	10/02/1999	1042548.59	753147.25	638.50
SC-26403-S-HS02	10/02/1999	1042557.97	753143.55	639.13
SC-26403-S-HS02-HS01	10/08/1999	1042537.31	753134.53	641.83*
SC-26403-S-HS02-HS02	10/08/1999	1042534.61	753140.16	641.10*
SC-26403-S-HS02-HS03	10/08/1999	1042531.07	753138.31	641.48*
SC-26403-S-HS02-HS04	10/08/1999	1042533.38	753133.22	642.13*
SC-26403-S-RS01	10/13/1999	1042550.96	753148.05	638.06*
SC-26404-S	09/15/1999	1042518.85	753164.83	639.98
SC-26405-S	09/15/1999	1042502.42	753193.08	641.27
SC-26405-S-HS01	10/02/1999	1042503.18	753189.62	641.20*
SC-26405-S-RS01	10/15/1999	1042503.98	753173.82	639.78
SC-26405-S-RS02	10/23/1999	1042505.85	753173.44	639.92
SC-26406-S	07/08/1998	1042537.79	753063.05	656.00
SC-26406-S-RS	09/02/1999	1042538.40	753061.67	648.29
SC-26407-C-HS01	10/02/1999	1042530.06	753088.63	641.60*
SC-26407-C-RS01	10/15/1999	1042548.51	753090.90	639.67
SC-26407-S	09/02/1999	1042522.56	753090.74	646.93
SC-26407-S-HS01	10/02/1999	1042534.57	753093.18	641.90*
SC-26407-S-RS01	10/15/1999	1042538.23	753093.49	640.34
SC-26408-S	09/15/1999	1042506.25	753120.44	643.77
SC-26408-S-HS01	10/02/1999	1042509.84	753127.36	641.15
SC-26408-S-RS01	10/15/1999	1042509.84	753127.36	641.15
SC-26409-S	09/15/1999	1042490.45	753148.87	645.94
SC-26410-S	09/15/1999	1042474.05	753177.54	644.83
SC-26412-C	07/09/1998	1042547.99	753013.50	663.72
SC-26412-C-01	09/30/1999	1042548.89	753013.74	646.09
SC-26413-S	07/09/1998	1042525.13	753018.39	664.09
SC-26413-S-01	09/30/1999	1042525.70	753018.69	646.59
SC-26414-S	07/09/1998	1042509.19	753047.03	661.10
SC-26414-S-01	09/30/1999	1042509.49	753046.49	647.10
SC-26414-S-RS	09/02/1999	1042507.83	753048.15	647.92*
SC-26415-S	07/09/1998	1042493.13	753075.63	658.37
SC-26415-S-01	09/30/1999	1042493.46	753075.78	648.80
SC-26415-S-RS	09/02/1999	1042493.54	753076.08	655.62
SC-26416-S	07/09/1998	1042477.05	753104.25	657.71
SC-26416-S-01	09/30/1999	1042477.56	753104.24	649.87
SC-26416-S-RS	09/02/1999	1042476.99	753103.30	653.22
SC-26417-S	09/02/1999	1042462.21	753132.52	651.90
SC-26417-S-01	09/30/1999	1042461.53	753133.14	650.53
SC-26418-S	09/02/1999	1042444.75	753161.89	651.80

SC-26418-S-01	09/30/1999	1042445.31	753161.31	650.79
SC-26421-C	07/09/1998	1042490.47	753055.96	664.27
SC-26421-C-01	09/30/1999	1042489.86	753056.50	647.21*
SC-26421-C-RS	09/02/1999	1042490.68	753055.92	648.51
SC-26423-C	09/02/1999	1042456.88	753111.30	658.73
SC-26423-C-01	09/30/1999	1042456.99	753111.68	650.08
SC-26425-C	09/02/1999	1042423.56	753169.53	657.08
SC-26425-C-01	09/30/1999	1042424.15	753169.05	651.67
SC-26501-S	09/15/1999	1042486.65	753222.03	641.17
SC-26502-S	09/15/1999	1042470.47	753250.56	641.55
SC-26503-S	09/15/1999	1042454.56	753279.13	641.91
SC-26504-S	10/22/1999	1042438.66	753308.12	641.86
SC-26505-S	09/15/1999	1042458.11	753206.22	644.07
SC-26506-S	09/15/1999	1042442.13	753234.96	642.91
SC-26507-S	09/15/1999	1042425.88	753263.42	643.85
SC-26508-S	09/15/1999	1042409.52	753292.10	645.67*
SC-26509-S	09/02/1999	1042429.10	753190.14	652.29
SC-26509-S-01	09/30/1999	1042429.26	753190.05	651.42
SC-26510-S	09/02/1999	1042412.75	753218.97	652.98
SC-26510-S-01	09/30/1999	1042413.21	753218.57	651.46
SC-26511-S	09/02/1999	1042396.75	753247.91	651.83
SC-26512-S	09/02/1999	1042381.10	753276.64	651.76
SC-26514-S	09/02/1999	1042384.41	753203.14	663.06
SC-26514-S-01	09/30/1999	1042384.46	753202.45	653.15
SC-26515-S	09/02/1999	1042368.90	753231.93	660.29
SC-26515-S-01	09/30/1999	1042368.21	753231.25	653.39
SC-26515-S-RS	07/07/2000	1042368.25	753231.41	651.57
SC-26516-S	09/02/1999	1042352.62	753260.23	661.56
SC-26516-S-01	09/30/1999	1042352.27	753259.91	653.52
SC-26601-S	10/22/1999	1042422.70	753336.57	642.46
SC-26602-S	10/22/1999	1042406.81	753365.16	644.76
SC-26603-S	10/26/1999	1042390.33	753394.01	646.73
SC-26603-S-RS	11/03/1999	1042388.60	753394.40	645.88
SC-26604-S	10/13/1999	1042374.80	753422.36	647.11
SC-26605-S	10/22/1999	1042394.04	753320.43	644.68
SC-26606-S	10/22/1999	1042377.87	753348.88	647.77
SC-26607-S	10/26/1999	1042361.70	753377.73	649.49
SC-26608-S	10/26/1999	1042345.44	753406.55	649.95
SC-26609-S	09/02/1999	1042365.25	753305.01	651.93
SC-26610-S	10/22/1999	1042349.55	753332.90	652.99
SC-26611-S	10/26/1999	1042333.03	753362.26	652.58
SC-26612-S	10/26/1999	1042317.28	753390.60	648.75
SC-26613-S	09/02/1999	1042336.07	753289.14	658.93
SC-26613-S-01	09/30/1999	1042336.40	753288.56	653.85
SC-26614-S	09/02/1999	1042320.18	753317.30	652.65*
SC-26614-S-01	09/30/1999	1042320.11	753317.21	654.46
SC-26615-S	09/30/1999	1042304.92	753345.89	655.33
SC-26616-C	10/26/1999	1042301.19	753394.00	653.41
SC-26616-S	10/26/1999	1042288.36	753374.29	655.80
SC-26618-C	09/02/1999	1042303.87	753327.19	656.01
SC-26618-C-01	09/30/1999	1042303.72	753326.74	655.58
SC-26702-S	07/16/2000	1043607.15	753436.33	643.71
SC-26704-C	07/16/2000	1043602.36	753413.00	642.94
SC-26704-S	07/16/2000	1043594.46	753391.80	642.69
SC-26706-S	07/16/2000	1043580.18	753347.08	641.51

SC-26709-S	07/16/2000	1043553.46	753330.97	643.29
SC-26711-S	07/16/2000	1043540.76	753285.97	642.75
SC-26713-C	07/16/2000	1043531.17	753266.41	642.69
SC-26713-S	07/16/2000	1043526.51	753242.06	641.78
SC-26716-S	07/16/2000	1043499.75	753225.72	643.01
SC-26718-S	07/16/2000	1043487.06	753181.01	642.74
SC-26723-S	07/16/2000	1043445.45	753120.10	641.99
SC-26725-C	07/16/2000	1043438.84	753098.25	641.31
SC-26725-S	07/16/2000	1043433.15	753075.55	640.24
SC-26728-S	07/16/2000	1043404.74	753059.51	640.01
SC-26730-S	07/16/2000	1043392.01	753014.85	638.37
SC-26731-S	07/16/2000	1043375.66	753043.45	639.41
SC-26734-S	07/16/2000	1043347.23	753027.55	638.50
SC-26736-C	07/16/2000	1043325.24	753032.83	638.67
SC-26737-S	07/16/2000	1043302.26	753039.76	638.61
SC-26739-S	07/16/2000	1043273.73	753023.80	637.54
SC-26742-S	07/16/2000	1043229.08	753036.33	636.62
SC-26744-C	07/16/2000	1043207.49	753037.78	636.14
SC-26746-S	07/16/2000	1043156.17	753033.25	633.77
SC-26749-S	07/16/2000	1043111.26	753045.80	632.08
SC-26753-S	07/16/2000	1043038.09	753042.71	628.99
SC-26755-C	07/16/2000	1043015.44	753051.81	629.33
SC-26756-S	07/16/2000	1042993.44	753054.75	629.09
SC-26760-S	10/29/1999	1042920.54	753051.23	627.11
SC-26762-S	10/29/1999	1042891.84	753035.11	628.70
SC-26802-S	10/29/1999	1042863.36	753019.67	630.95
SC-26804-S	11/02/1999	1042834.82	753003.29	635.09
SC-26806-S	11/02/1999	1042805.87	752987.09	636.11
SC-26808-S	11/02/1999	1042777.39	752971.33	637.34
SC-26810-S	11/02/1999	1042748.81	752955.32	638.62
SC-26812-S	11/02/1999	1042720.05	752939.33	639.77
SC-26814-S	11/03/1999	1042691.71	752923.63	641.13
SC-26814-S-RS	11/09/1999	1042691.09	752923.30	639.44*
SC-26816-S	11/03/1999	1042664.46	752906.94	642.39
SC-26816-S-RS	11/09/1999	1042662.61	752907.25	640.70*
SC-26818-C	11/03/1999	1042641.05	752913.90	643.40
SC-26818-C-RS	11/09/1999	1042642.24	752907.44	641.52*
SC-26818-S	11/03/1999	1042634.58	752891.12	643.02
SC-26818-S-RS	11/09/1999	1042633.79	752891.31	642.23*
SC-26820-S	11/03/1999	1042605.66	752875.07	643.47
SC-26821-S	11/03/1999	1042590.11	752904.39	644.85
SC-26824-C	11/03/1999	1042566.40	752908.90	643.26*
SC-26824-S	11/03/1999	1042561.05	752887.87	644.56
SC-26825-S	07/02/1999	1042544.29	752916.11	643.64
SC-26826-S	07/02/1999	1042527.88	752944.80	645.12
SC-26828-S	11/03/1999	1042532.41	752871.73	643.48
SC-26829-S	07/02/1999	1042515.75	752900.25	643.16
SC-26830-C	07/02/1999	1042503.97	752948.73	645.63
SC-26830-S	07/02/1999	1042499.39	752928.55	644.69
SC-26831-S	07/02/1999	1042483.63	752957.33	645.68
SC-26834-S	07/02/1999	1042486.57	752884.11	643.12
SC-26835-S	07/02/1999	1042470.98	752912.81	643.19
SC-26836-S	07/02/1999	1042454.99	752941.43	644.23
SC-26839-S	07/02/1999	1042442.14	752896.90	642.88
SC-26840-S	07/02/1999	1042426.05	752925.64	643.43

SC-26842-S	07/02/1999	1042414.07	752880.96	642.16*
SC-26843-S	07/02/1999	1042397.15	752909.28	643.44
SC-26901-S	07/02/1999	1042467.47	752985.89	646.56
SC-26902-S	07/02/1999	1042451.34	753014.60	647.79
SC-26903-S	07/02/1999	1042435.16	753043.22	649.08
SC-26904-S	07/02/1999	1042419.45	753071.92	650.27
SC-26905-S	07/02/1999	1042403.35	753100.61	651.43
SC-26906-S	07/02/1999	1042438.77	752969.94	645.70
SC-26907-S	07/02/1999	1042422.48	752998.66	647.14
SC-26908-S	07/02/1999	1042406.53	753027.24	648.36
SC-26909-S	07/02/1999	1042390.59	753056.11	648.91
SC-26910-S	07/02/1999	1042374.36	753084.97	649.25
SC-26911-S	07/02/1999	1042409.94	752954.58	644 43
SC-26912-S	07/02/1999	1042393.92	752982.94	645 98
SC-26913-S	07/02/1999	1042377.76	753011.03	647.06
SC-26914-C	07/02/1999	1042368.64	753062.33	648.50
SC-26914-S	07/02/1999	1042361.96	753040.27	647.92
SC-26915-S	07/02/1999	1042346.01	753068.70	648.42
SC-26916-C	07/02/1999	1042387.76	752960.65	645.28
SC-26916-S	07/02/1999	1042381.50	752938.38	643.86
SC-26917-S	07/02/1999	1042365.44	752966.73	645.25
SC-26918-S	07/02/1999	1042349.26	752995.23	646.23
SC-26919-S	07/02/1999	1042333.55	753024.48	647.50
SC-26920-S	07/02/1999	1042317.48	753052.74	648.38
SC-26924-S	07/02/1999	1042304.67	753007.76	647.73
SC-26925-S	07/02/1999	1042288.63	753036.50	647.89
SC-26928-C	07/02/1999	1042272.36	753047.42	648.99
SC-27001-S	07/02/1999	1042387.37	753129.53	652.41
SC-27002-S	07/02/1999	1042371.27	753157.92	653.33
SC-27002-S-01	09/30/1999	1042372.06	753158.13	652.57
SC-27003-S	07/02/1999	1042355.23	753186.69	654.27
SC-27003-S-01	09/30/1999	1042355.94	753186.81	652.80
SC-27004-S	07/02/1999	1042339.29	753215.23	654.95
SC-27004-S-01	09/30/1999	1042339.89	753215.55	653.69
SC-27005-S	07/02/1999	1042358.81	753113.51	650.10
SC-27006-S	07/02/1999	1042342.57	753141.63	650.84
SC-27007-S	07/02/1999	1042326.84	753170.67	651.54
SC-27008-C	07/02/1999	1042316.92	753221.75	654.67
SC-27008-S	07/02/1999	1042310.79	753199.11	653.65
SC-27009-S	07/02/1999	1042329.93	753097.29	649.53
SC-27010-C	07/02/1999	1042320.29	753148.36	649.85
SC-27010-S	07/02/1999	1042314.13	753125.87	650.21*
SC-27010-S-RS	07/09/1999	1042313.74	753125.89	649.95
SC-27011-S	07/02/1999	1042297.67	753154.48	650.48
SC-27012-S	07/02/1999	1042281.55	753183.28	650.03
SC-27013-S	07/02/1999	1042301.40	753081.33	649.29
SC-27014-S	07/02/1999	1042285.75	753110.15	650.21
SC-27015-S	07/02/1999	1042269.89	753138.50	649.90*
SC-27015-S-RS	07/09/1999	1042270.01	753138.55	649.83
SC-27016-S	07/02/1999	1042253.65	753166.89	649.73
SC-27017-S	07/02/1999	1042272.79	753065.28	648.56
SC-27018-S	07/02/1999	1042257.33	753094.17	648.61
SC-27019-S	07/02/1999	1042240.66	753122.55	649.52
SC-27020-S	07/02/1999	1042224.86	753151 15	649.39
SC-27023-S	07/02/1999	1042212.59	753106.50	649.30*

SC-27024-S	07/02/1999	1042195.97	753135.11	649.58
SC-27103-C	10/26/1999	1042320.09	753480.35	656.56*
SC-27104-S	10/26/1999	1042314.02	753463.66	655.58
SC-27105-C	10/26/1999	1042302.15	753445.36	655.82
SC-27110-S	07/02/1999	1042322.91	753244.07	655.25
SC-27110-S-01	09/30/1999	1042323.97	753243.91	654.20
SC-27112-C	10/26/1999	1042266.30	753379.20	658.01*
SC-27112-S	10/26/1999	1042259.73	753358.42	657.03
SC-27113-S	07/02/1999	1042294.47	753227.99	653.86
SC-27114-S	07/02/1999	1042278.69	753256.49	655.61
SC-27115-S	07/02/1999	1042262.54	753284.93	656.73
SC-27116-S	11/05/1999	1042246.88	753313.86	657.32*
SC-27118-S	07/02/1999	1042265.64	753211.95	650.37
SC-27119-S	07/02/1999	1042249.92	753240.53	651.23
SC-27120-S	07/02/1999	1042233.63	753269.43	652.58
SC-27121-S	07/02/1999	1042217.71	753297.65	654.60
SC-27122-S	07/02/1999	1042237.37	753195.67	649.37
SC-27123-S	07/02/1999	1042221.16	753224.22	650.53
SC-27124-S	07/02/1999	1042205.42	753253.06	652.18
SC-27126-S	07/02/1999	1042208.79	753179.69	648.86
SC-27127-S	07/02/1999	1042193.09	753208.51	649.34
SC-27128-S	07/02/1999	1042176.74	753237.16	650.06
SC-27129-S	07/19/1999	1042180.40	753163.90	648.27*
SC-27130-S	07/19/1999	1042164.38	753192.39	648.08*
SC-27132-C	07/02/1999	1042162.01	753173.61	648.55
SC-27133-C	07/19/1999	1042153.49	753192.77	648.06*
SC-39101-C	10/29/1999	1042896.36	753061.36	628.01
SC-39101-S	10/29/1999	1042977.71	753083.31	625.93
SC-39102-C	10/29/1999	1042867.76	753044.51	630.35
SC-39102-S	10/29/1999	1042961.64	753112.15	626.43
SC-39103-C	11/02/1999	1042839.17	753028.77	631.60
SC-39103-S	10/06/1999	1042945.36	753140.81	625.69*
SC-39104-C	11/02/1999	1042811.26	753012.43	631.97
SC-39104-S	10/29/1999	1042949.45	753067.65	625.89
SC-39105-C	10/12/1999	1042781.01	752998.28	634.67*
SC-39105-S	10/29/1999	1042933.19	753095.94	626.89
SC-39105-S-HSO1	11/04/1999	1042935.05	753096.32	628.78*
SC-39105-S-HSO2	11/04/1999	1042932.19	753098.42	629.25*
SC-39105-S-HSO3	11/04/1999	1042930.51	753096.15	329.04*
SC-39105-S-HSO4	11/04/1999	1042932.61	753093.87	628.64*
SC-39106-C	10/12/1999	1042751.90	752983.11	636.28*
SC-39106-S	10/06/1999	1042916.76	753124.50	626.68
SC-39107-C	10/12/1999	1042722.82	752967.86	637.59*
SC-39107-S	10/29/1999	1042904.87	753080.02	627.28
SC-39108-S	10/06/1999	1042888.40	753108.85	628.23
SC-39109-S	10/29/1999	1042876.09	753063.90	628.92
SC-39110-S	10/06/1999	1042859.83	753092.71	629.68
SC-39111-S	10/12/1999	1042848.79	753046.62	630.63
SC-39112-S	10/06/1999	1042831.19	753076.54	631.21
SC-39113-S	10/12/1999	1042819.54	753030.84	632.53
SC-39114-S	10/06/1999	1042802.65	753060.54	632.69
SC-39115-S	10/12/1999	1042790.56	753015.65	633.82
SC-39116-S	10/06/1999	1042773.75	753044.37	634.63
SC-39117-S	10/12/1999	1042761.28	753001.01	635.35
SC-39118-S	10/06/1999	1042745.22	753028.62	636.27

SC-39119-S	10/12/1999	1042733.95	752983.89	637.39
SC-39120-S	10/06/1999	1042717.03	753012.55	638.09
SC-39121-S	10/12/1999	1042704.50	752966.95	638.86
SC-39122-S	10/06/1999	1042688.28	752997.17	639.81
SC-39123-S	10/12/1999	1042676.06	752950.57	639.51
SC-39124-S	10/06/1999	1042659.22	752981.03	640.03
SC-39201-C	09/30/1999	1042479.51	753011.19	647.40
SC-39201-S	10/12/1999	1042646.44	752935.88	640.61*
SC-39202-C	09/30/1999	1042462.11	753039.43	648.04
SC-39202-S	10/12/1999	1042630.42	752964.50	641.18*
SC-39203-C	09/30/1999	1042446.66	753068.36	649.05
SC-39203-S	10/12/1999	1042617.80	752919.81	641.80*
SC-39204-C	09/30/1999	1042431.53	753097.38	649.71
SC-39204-S	10/12/1999	1042601.74	752948.56	642.37*
SC-39205-C	09/30/1999	1042415.45	753126.01	651.24
SC-39205-S	09/30/1999	1042586.10	752977.07	643.74
SC-39206-C	09/30/1999	1042398.96	753154.36	651.93
SC-39206-S	09/30/1999	1042573.24	752932.41	643.31*
SC-39207-C	09/30/1999	1042383.01	753181.58	652.68
SC-39207-S	09/30/1999	1042557.58	752961.01	644.42
SC-39208-C	09/30/1999	1042365.52	753207.48	653.07
SC-39208-S	09/30/1999	1042541.38	752989.89	645.43
SC-39209-C	09/30/1999	1042346.76	753234.24	653.55
SC-39209-S	09/30/1999	1042512.85	752973.88	645.66
SC-39210-C	09/30/1999	1042327.65	753260.80	653.96
SC-39210-S	09/30/1999	1042496.68	753002.11	646.79
SC-39211-C	10/26/1999	1042292.28	753404.19	656 52
SC-39211-S	09/30/1999	1042480.89	753031.34	648.02
SC-39212-C	10/26/1999	1042336.77	753503.51	657.00
SC-39212-S	09/30/1999	1042465.13	753059.49	649.03
SC-39213-S	09/30/1999	1042448.49	753088.82	649.71
SC-39214-S	09/30/1999	1042433.09	753116.75	650.56
SC-39215-S	09/30/1999	1042416.60	753145.33	651.55
SC-39216-S	09/30/1999	1042400.48	753173.70	652.57
SC-39217-S	09/30/1999	1042307.94	753272.83	654.76
SC-39218-S	09/30/1999	1042291.84	753301.17	654.91
SC-39219-S	09/30/1999	1042276.04	753329.82	655.35
SC-39220-S	10/26/1999	1042301.28	753419.36	655.70
SC-39301-C	09/28/1999	1043009.39	753311.99	633.71
SC-39301-S	09/28/1999	1042996.17	753319.40	633.11
SC-39302-C	09/28/1999	1042973.83	753325.56	633.79
SC-39302-S	09/28/1999	1042980.33	753347.84	632.55
SC-39303-C	09/28/1999	1042925.74	753411.80	633.22
SC-39303-S	09/28/1999	1042964.08	753376 45	632.62
SC-39304-C	09/28/1999	1042877.21	753497.56	634.20*
SC-39304-S	09/28/1999	1042948.19	753405.11	633.01
SC-39305-C	09/28/1999	1042829.48	753582.90	630.46
SC-39305-S	09/28/1999	1042932.23	753433.79	633.37
SC-39306-C	09/28/1999	1042806.79	753569.95	625.99
SC-39306-S	09/28/1999	1042916.21	753462.48	633.79
SC-39307-S	09/28/1999	1042899.78	753491.18	634.12
SC-39308-S	09/28/1999	1042883.86	753520.10	634.77
SC-39309-S	09/28/1999	1042867.60	753548.52	635.42
SC-39310-S	09/28/1999	1042851.88	753577.61	636.19
SC-39311-S	09/28/1999	1042983.59	753274.61	629.65

SC-39312-S	09/28/1999	1042967.54	753303.40	628.36
SC-39313-S	09/28/1999	1042951.57	753331.69	629.72
SC-39314-S	09/28/1999	1042935.76	753360.67	630.75
SC-39315-S	09/28/1999	1042919.66	753389.55	630.33
SC-39316-S	09/28/1999	1042903.46	753417.77	630.92
SC-39317-S	09/28/1999	1042887.61	753446.76	630.44
SC-39318-S	09/28/1999	1042871.28	753475.15	631.17
SC-39319-S	09/28/1999	1042855.49	753504.12	631.69
SC-39320-S	09/28/1999	1042839.04	753532.55	632.94
SC-39321-S	09/28/1999	1042823.51	753561.15	633.02
SC-39322-S	09/28/1999	1042807.54	753589.71	630.82
SC-39401-C	09/24/1999	1042990.88	753222.61	633.29
SC-39401-S	09/24/1999	1043018.64	753144.67	635.28
SC-39402-C	09/24/1999	1042996.41	753150.18	634.29
SC-39402-S	09/24/1999	1043003.08	753172.63	634.44
SC-39403-C	09/24/1999	1042980.41	753179.34	635.55
SC-39403-S	09/24/1999	1042987.05	753201.21	633.44
SC-39404-C	09/24/1999	1042968.41	753134.32	637.62*
SC-39404-C-RS	09/28/1999	1042968.41	753134.32	636.35*
SC-39404-S	09/24/1999	1042971.10	753229.99	633.71
SC-39405-C	09/24/1999	1042951.70	753163.31	634.91*
SC-39406-S	09/24/1999	1042974.47	753156.66	636.28
SC-39407-S	09/24/1999	1042957.91	753185.27	633.61

* approximate elevation as determined by as-built topo.

APPENDIX D
Interoffice Correspondence

MORRISON KNUDSEN CORPORATION
MK-FERGUSON GROUP

INTER-OFFICE CORRESPONDENCE

DATE: September 27, 1999

TO: Soil Confirmation File

FROM: Eric Danielson

SUBJECT: **CHANGES TO RU021 DUE TO NEW CONTAMINATION AREAS**

1. **RPX-29**, a PAH in-situ area was created after the *Confirmation Sampling Plan Details for the Disposal Cell Facility (WP-437)* (hereafter "the sampling plan") was issued. This in-situ area covers areas on and near the Raffinate Pit 4 berm where prior to the development of RPX-29, confirmation was not necessary. RPX-29 also extends into existing confirmation units where PAH samples were not to be taken. Therefore, the following changes to the sampling plan are necessary:

   A. Creation of CU391 (Figure attached) to confirm that portion of RPX-29 on the west berm of raffinate pit 4 that was not previously covered by an existing confirmation unit. Parameters include uranium, radium-226/228, thorium-230/232, and PAHs.

   B. Creation of CU392 (Figure attached) to confirm that portion of RPX-29 on the south berm of raffinate pit 4 that was not previously covered by an existing confirmation unit. Parameters include uranium, radium-226/228, thorium-230/232, and PAHs.

   C. Addition of PAHs to existing sample points that fall within RPX-29. These points are shown on Attachment 1.

2. **RPX-35**: In-situ area RPX-35 was developed after the sampling plan was issued because of the placement of contaminated soils at the intermediate dike of raffinate pit 4. Once this dike is removed, the soils left behind RPX-35 will require confirmation. Therefore, the following changes to the sampling plan are necessary:

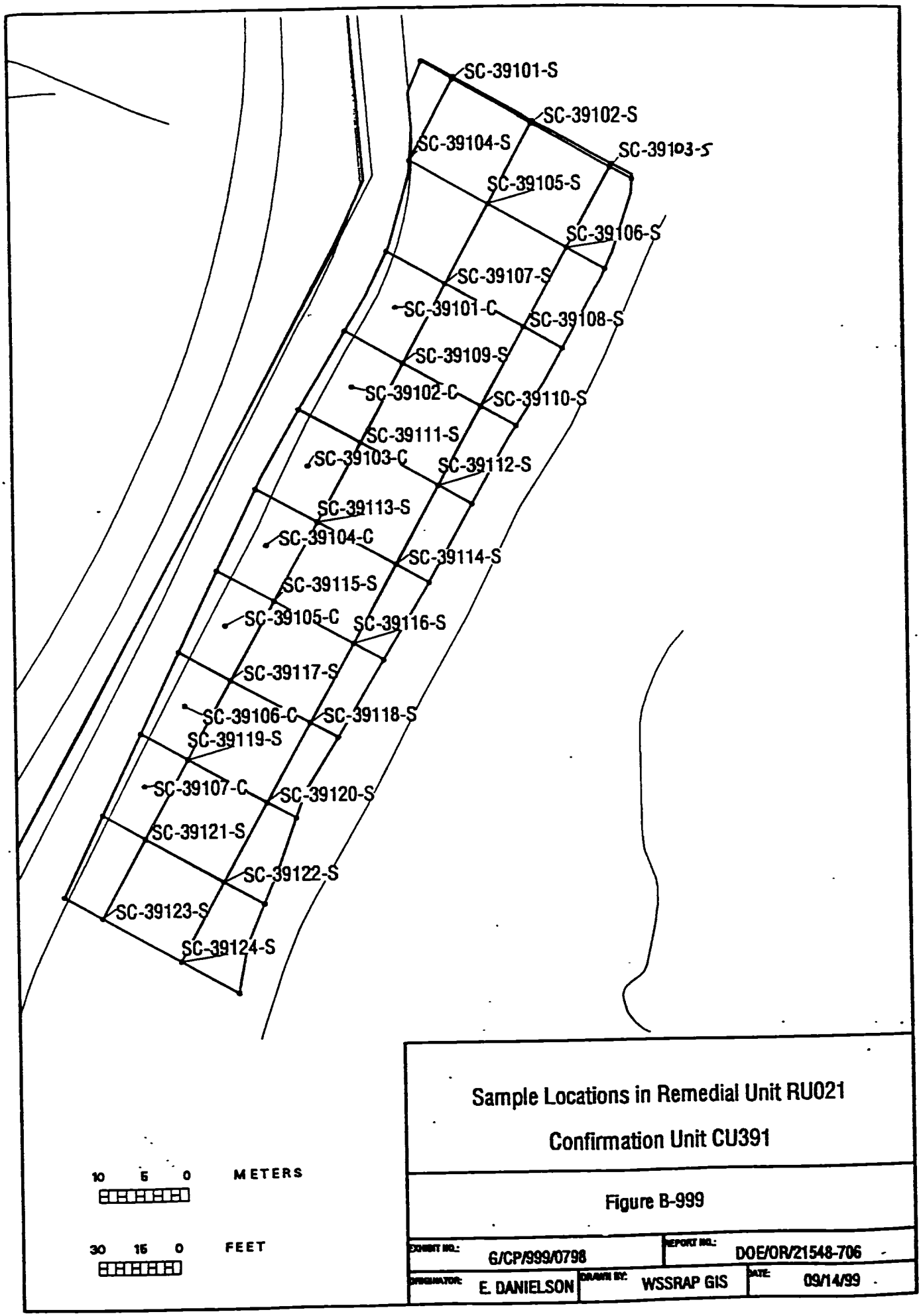
A. Creation of CU393 (Figure attached) to confirm that portion of RPX-35 that extends into the former WP471 work zone. Because the soil used to build the intermediate dike came from Ash Pond, confirmation parameters will include uranium, radium-226/228, thorium-230/232, arsenic, chromium, lead, thallium, TNT, PCBs and PAHs.

B. Addition of arsenic, chromium, lead, thallium, TNT, PCBs, and PAHs to existing points that fall within RPX-35. These points are shown on Attachment 2.

3. An area showing elevated radiological activity was discovered immediately west of the intermediate dike. This area was found while excavating soil that was previously confirmed during WP471. Excavation of this contaminated soil will be guided by radiological walkover surveys. Confirmation samples will then be taken. Therefore, creation of CU394 (figure attached) was necessary to confirm the successful removal of contaminated soil from the area. Parameters include uranium, radium226/228, and thorium-230/232.

ED/jn

Cc: M. Lutz
S. Warren
N. Twesten
K. Cullinan
T. Christopher
K. Hamilton

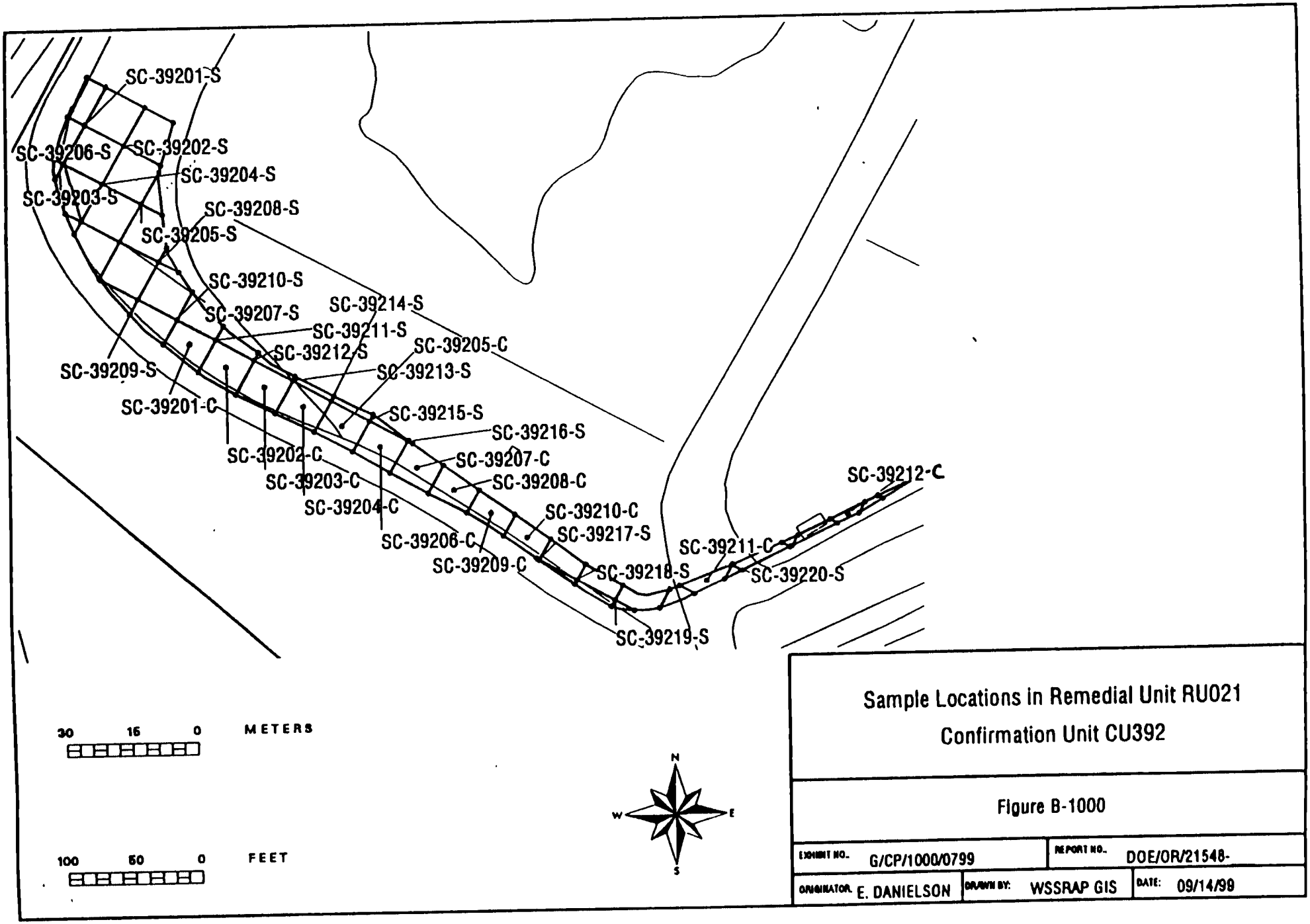


Sample Locations in Remedial Unit RU021

Confirmation Unit CU391

Figure B-999

EXHIBIT NO.: G/CP/999/0798		REPORT NO.: DOE/OR/21548-706	
ORIGINATOR: E. DANIELSON	DRAWN BY: WSSRAP GIS	DATE: 09/14/99	



Sample Locations in Remedial Unit RU021
Confirmation Unit CU392

Figure B-1000

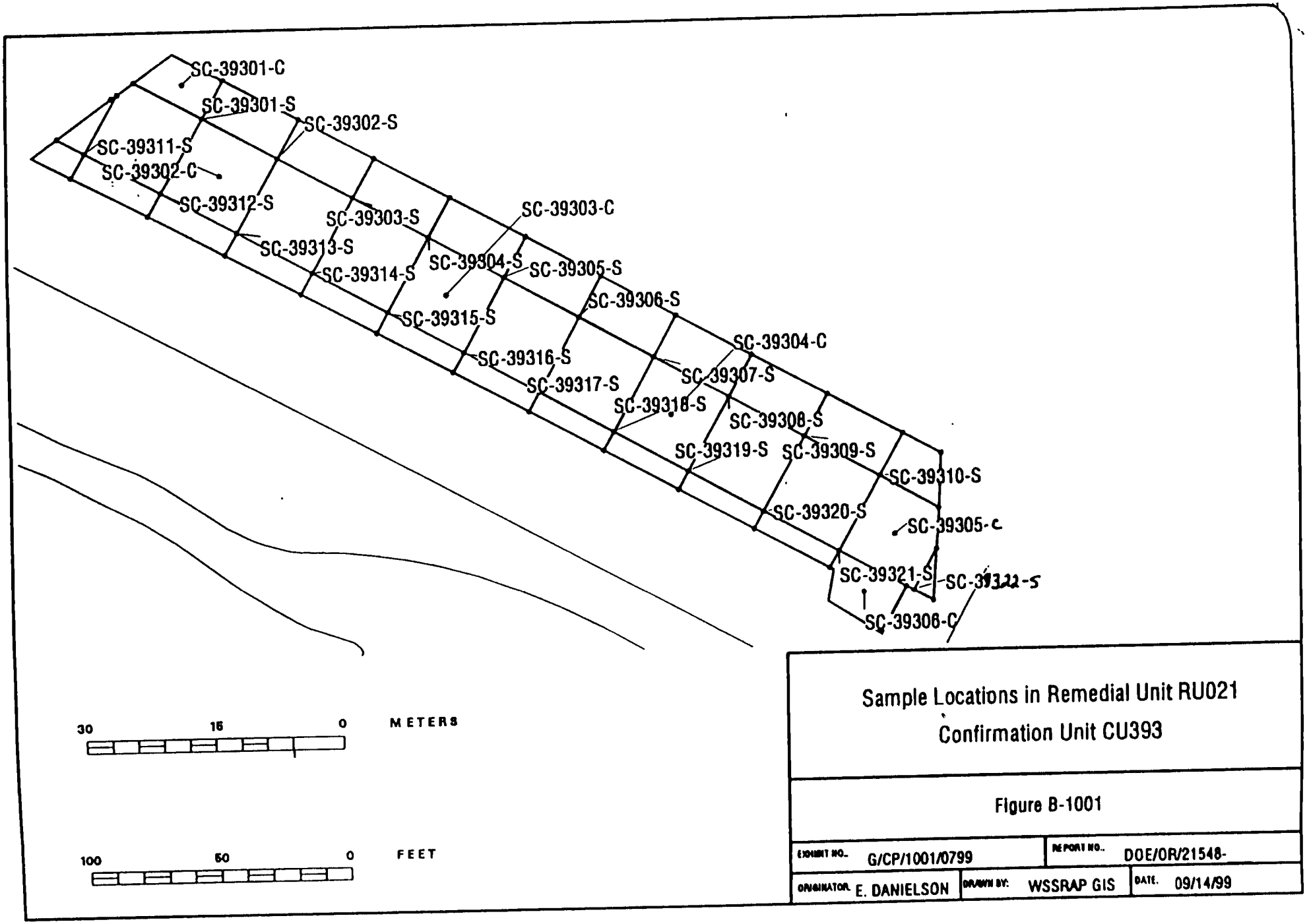
EXHIBIT NO. G/CP/1000/0799		REPORT NO. DOE/OR/21548-	
ORIGINATOR: E. DANIELSON	DRAWN BY: WSSRAP GIS	DATE: 09/14/99	

Attachment 1

PAHs are added to the analyte list for these existing sample points that fall within RPX-29.

SC-25310-S	SC-25402-S	SC-26301-C	SC-26401-S	SC-26509-S	SC-26609-S
SC-25311-S	SC-25403-S	SC-26302-S	SC-26406-S	SC-26510-S	SC-26610-S
SC-25312-S	SC-25404-S	SC-26303-S	SC-26407-S	SC-26511-S	SC-26613-S
SC-25315-C	SC-25406-C	SC-26304-S	SC-26412-C	SC-26512-S	SC-26614-S
SC-25316-S	SC-25407-S	SC-26306-S	SC-26413-S	SC-26514-S	SC-26615-S
SC-25317-S	SC-25408-S	SC-26307-S	SC-26414-S	SC-26515-S	SC-26618-C
SC-25318-S	SC-25409-S	SC-26308-S	SC-26415-S	SC-26516-S	
SC-25321-C	SC-25412-S	SC-26309-C	SC-26416-S		
SC-25322-S	SC-25413-S	SC-26310-S	SC-26417-S		
SC-25323-S	SC-25414-S	SC-26311-S	SC-26418-S		
SC-25324-S	SC-25417-S	SC-26312-S	SC-26421-C		
	SC-25418-S	SC-26314-S	SC-26423-C		
	SC-25419-S	SC-26315-S	SC-26425-C		
		SC-26316-S			
		SC-26318-S			
		SC-26319-S			
		SC-26320-S			
		SC-26323-S			
		SC-26324-S			

SC-26760-S	SC-26802-S	SC-26901-S	SC-27001-S	SC-27110-S
SC-26762-S	SC-26804-S	SC-26902-S	SC-27002-S	
	SC-26806-S	SC-26903-S	SC-27003-S	
	SC-26808-S	SC-26904-S	SC-27004-S	
	SC-26810-S	SC-26905-S		
	SC-26812-S			
	SC-26814-S			
	SC-26816-S			
	SC-26818-S			
	SC-26818-C			
	SC-26826-S			
	SC-26830-C			



Sample Locations in Remedial Unit RU021
Confirmation Unit CU393

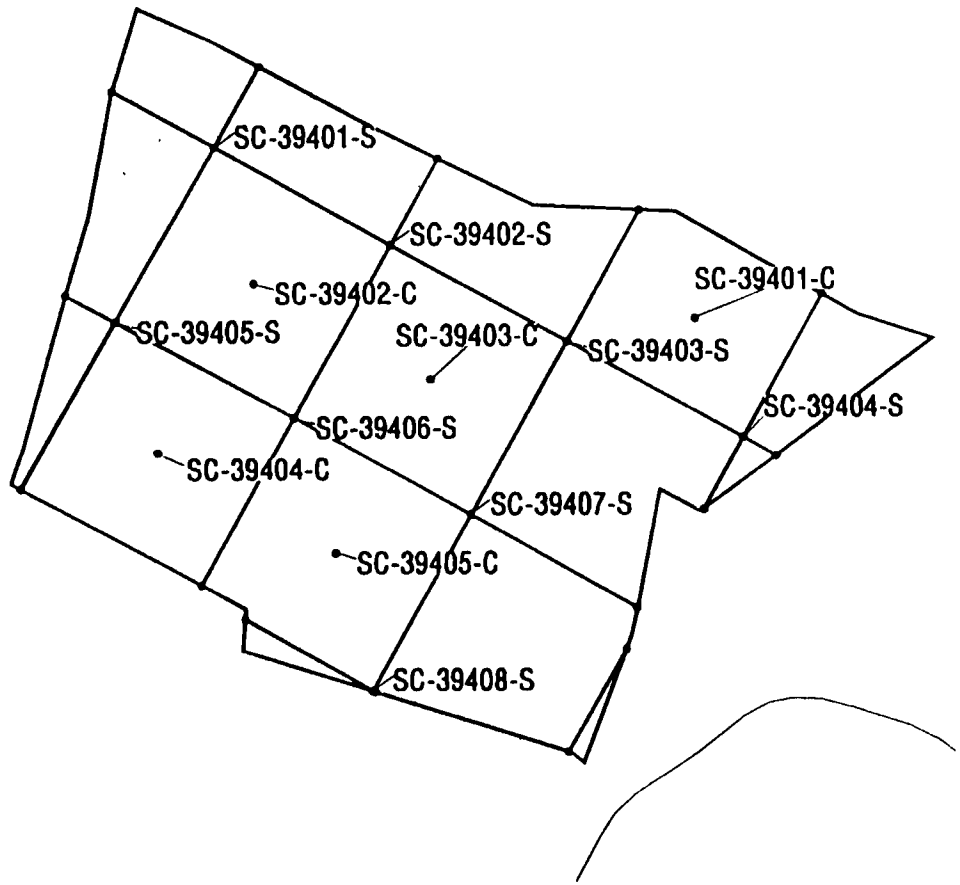
Figure B-1001

EXHIBIT NO. G/CP/1001/0799		REPORT NO. DOE/OR/21548-	
ORIGINATOR E. DANIELSON	DRAWN BY: WSSRAP GIS	DATE 09/14/99	

Attachment 2

Arsenic, chromium, lead, thallium, TNT, PCBs and PAHs are added to the analyte list for these existing points that fall within RPX-35.

SC-24620-S	SC-25101-S	SC-25201-S	SC-25301-C
	SC-25108-S	SC-25202-S	SC-25302-S
	SC-25115-S	SC-25202-C	SC-25303-S
		SC-25203-S	SC-25303-C
		SC-25204-S	SC-25304-S
		SC-25204-C	SC-25306-S
		SC-25205-S	SC-25307-S
		SC-25206-S	SC-25308-S
		SC-25206-C	SC-25309-S
		SC-25207-S	SC-25312-S
		SC-25208-S	SC-25313-S
		SC-25209-S	SC-25314-S
		SC-25210-S	
		SC-25211-S	
		SC-25212-S	
		SC-25213-S	
		SC-25214-S	
		SC-25215-S	
		SC-25216-S	
		SC-25217-S	
		SC-25218-S	
		SC-25219-S	
		SC-25220-S	
		SC-25221-S	
		SC-25222-S	
		SC-25223-S	
		SC-25224-S	



30 15 0 METERS

100 50 0 FEET

Sample Locations in Remedial Unit RU021
Confirmation Unit CU394

Figure B-999

EXHIBIT NO. G/CP/999/0799		REPORT NO. DOE/OR/21548-	
ORIGINATOR E. DANIELSON	DRAWN BY WSSRAP GIS	DATE: 09/23/99	

MORRISON KNUDSEN CORPORATION
Federal Programs Division

INTER-OFFICE CORRESPONDENCE

DATE: **November 11, 1999**

TO: **Soil Confirmation File**

FROM: **Melissa Lutz** ML

SUBJECT: **UPDATE TO THE IOC "CHANGES TO RU021 DUE TO NEW CONTAMINATION AREAS" DATED SEPTEMBER 27, 1999**

There were a number of sample locations in the above referenced IOC that were identified as falling within two in-situ areas: RPX-29 and RPX-35. At the time, this was a conservative estimate. Upon completing sampling activities in these areas, corrections need to be made concerning which sample locations were not actually located within the boundaries of either RPX.

The following sample locations were not sampled as part of RPX-29:

SC-25404-S	SC-26609-S
SC-25409-S	SC-26610-S
SC-25414-S	SC-26826-S
SC-25419-S	SC-26830-C
SC-26304-S	SC-26901-S
SC-26308-S	SC-26902-S
SC-26312-S	SC-26903-S
SC-26316-S	SC-26904-S
SC-26401-S	SC-26905-S
	SC-27001-S

The following sample locations were not sampled as part of RPX-35:

SC-25115-S	SC-25222-S
SC-25217-S	SC-25223-S
SC-25218-S	SC-25224-S
SC-25219-S	SC-25306-S
SC-25220-S	SC-25313-S
SC-25221-S	SC-25314-S

Figures showing the above sample locations and their relationship to the appropriate insitu area have been included for your reference. If there are any questions, please contact myself at extension 3544 or Linda Broody at extension 2937.

Attachments

cc: Linda Broody
Nick Twesten
Steve Warren (w/o attachments)
Jim Meier (w/o attachments)
Karen Cullinan
Tim Christopher
Karl Hamilton

ML/lac

MORRISON KNUDSEN CORPORATION
MK-FERGUSON GROUP

INTER-OFFICE CORRESPONDENCE

DATE: April 27, 1999

TO: Dan Hoffman

FROM: Dave Cowell DC

SUBJECT: RA-226 RECOUNTS

In an effort to eliminate repetitive work, the on-site lab performed a study to determine if recounts 30 days after sealing sample cans was necessary for samples that have background or near background Ra-226 concentrations. As a result of the study, the lab will now only perform Ra-226 recounts for samples that fail the Radium ALARA preliminary calculation.

This calculation will involve multiplying the Ra-226 result by a correction factor of 2.27 (established in an IOC dated 11/17/95) and adding it to the Ra-228 result. If this result is greater than 5 pCi/g then that sample will be held and recounted 30 days later with the intention of reducing the final reported value.

This approach is conservative because the correction factor of 2.27 was established using samples with concentrations of up to 8 pCi/g. Samples having near background concentrations of Ra-226 do not ingrow to that level. Additionally, the correction factor was intended identify samples with Ra-226 levels that could exceed 5 pCi/g and did not account for the contribution from Ra-228, which we will include in this new calculation.

The attached page is included to illustrate the results of the study.

DC/jn

Attachment

Cc: Jim Meier
Steve Warren
Dave Hixson
John Coniglio
Melissa Lutz
Randy Thompson

Form 220-A 03/92

MORRISON KNUDSEN CORPORATION

MK-FERGUSON GROUP

INTER-OFFICE CORRESPONDENCE

DATE: November 17, 1995

TO: ALARA Committee

FROM: Michelle French/Richard Machado

SUBJECT: RA-226 DETERMINATION FOR SITE CONFIRMATION SAMPLES

Background

The issue surrounding Ra-226 analysis via gamma spectroscopy arises due to the fact that the Ra-226 soil concentration is determined by using the following energy peaks: 295 keV and 352 keV for Pb-214; and 609 keV, 1120 keV, and 1764 keV for Bi-214. These radionuclides are both short-lived daughters of Rn-222. The drying and grinding processes are known to drive off Rn-222 that is trapped in the soil pores and moisture held in the soil. In order to quantitatively identify Ra-226 using gamma spectroscopy, Rn-222 and its short-lived progeny must be allowed to grow into secular equilibrium following such sample preparation techniques. The following alternatives were evaluated for estimating the Ra-226 concentration in soil given gamma spectroscopy analysis within five working days of sample collection.

Alternative 1

Send all samples requiring Ra-226 analysis to an offsite laboratory. At offsite facilities, Ra-226 is typically analyzed through alpha spectroscopy which does not rely on the Ra-222 daughter products to provide a quantitative result. The minimum turnaround time that can be provided for alpha spectroscopy analysis for Ra-226 is four days. At one and two day turnaround times, the method for analysis is modified to use Gas Flow Proportional Counting for total alpha counting yielding a total radium number with no separation of isotopic contributions. Given the four day turnaround time and an estimate of 750 samples (WP-253 and WP-420), the total analytical costs will be $95,250.

The major disadvantage in this approach is the tight schedule involved with sample collection, packaging, shipping, data receipt, data review, and ALARA committee action. It may be impossible to accomplish this within five working days given the four day turnaround requirement.

11-21-95

Alternative 2

As stated above, the drying and grinding processes are known to drive off radon that is trapped in the soil matrix. However, the amount of radon removed from these processes is not quantified. If you were to assume that all the radon is removed during these processes and the time of final preparation was recorded, a correction factor can be applied based upon the secular equilibrium condition equation. For example, the following table summarizes the ratio of activity of Rn-222 to the activity of Ra-226.

A(Rn-222)/A(Ra-226)	Time Post Canning (Days)
0.167	1
0.306	2
0.422	3
0.665	6
0.807	9
0.888	12
0.935	15
0.963	18
0.978	21
0.987	24
0.993	27
0.996	30

Thus, if the samples were counted three days post canning, a correction factor of 0.422 would be used to determine the estimated final Ra-226 concentration. Given this approach, any concentration determined three days post preparation would be divided by 0.422 to arrive at the final concentration. For a 5 pCi/g ALARA goal, any result above 2.1 pCi/g would be rejected.

The major limitation with this approach is the assumption that the drying and grinding processes remove 100% of the radon. Samples that have been analyzed within one day of preparation have never yielded results much below expected background concentrations (0.8-1.0 pCi/g).

Thus, the use of a correction factor on the order of 0.167 could result in a very conservative approach for estimating the final Ra-226 soil concentration in background soils (in fact all samples analyzed one day after canning would equal or exceed 5 pCi/g).

Alternative 3

All samples that are collected to support confirmation can be analyzed as wet samples to virtually eliminate the radon removal that occurs during sample preparation. However, there are numerous considerations, such as sample homogeneity, particle size, moisture content variability, etc., that can produce error in such analyses. If the samples are analyzed wet, they would also be prepared and analyzed to provide final concentrations for each radionuclide of interest for the sample. This dry evaluation would require an analysis within the confirmation cleanup turnaround period and a second analysis within 20-30 days later to finalize Ra-226 concentrations to an acceptable quality level. This approach would involve three analyses of every sample. The initial wet analysis can be used to estimate the final Ra-226 concentration. However, this estimate must be made on a case by case basis through moisture corrections, etc.

The major limitation for this approach is the reduction in lab productivity as an extra canning effort would be needed to generate a wet and a dry sample for each sample and count time for each sample would increase by a factor of three.

Alternative 4

Over the last several months, the onsite radiological laboratory has been recounting samples that were analyzed during the months of April - September 1995. These reanalyses were done in order to support final analyses of SE Drainage and Quarry characterization samples. The graph on the attached page illustrates a portion of the recount results versus the initial results. The graph includes those samples that had initial Ra-226 results < 5 pCi/g. As illustrated, the background - 2.2 pCi/g sample range had 100% of all sample recounts fall less than 5 pCi/g. For those in the range of 2.2 - 3.2 pCi/g, the likelihood of exceeding 5 pCi/g was approximately 50%. All of the samples with initial results greater than 3.2 pCi/g had final Ra-226 results > 5 pCi/g.

This information can be used to establish a criteria about which samples can be said to meet the ALARA goal of 5 pCi/g within the five working day turnaround window.

Given the current study findings, it is recommended that any sample with an initial Ra-226 result > 2.2 pCi/g be expected to exceed the ALARA goal of 5 pCi/g. In addition, the estimated final Ra-226 soil concentration should be found by multiplying the initial result by 2.27 (2.2 pCi/g x 2.27 = 5 pCi/g). This correction factor is very close to the maximum increase from initial results to recount results (e.g., 2.56) in the background to 2.2 pCi/g concentration range. The average increase from initial results to recount results for this range was 1.51. However, use of a value closer to the maximum value affords less risk in exceeding expected confirmation goals. The laboratory will work to refine these numbers to further minimize the risk as they continue to recount samples collected over the last few months. The major limitation with this alternative is the potential to over excavate, increasing disposal costs.

Alternative 5

This alternative involves a combination of alternatives 3 and 4. Samples that do not have elevated direct survey results via a 2x2 NaI or a 44-9 survey should be prepared and evaluated in accordance with alternative 4. Samples that do have above background survey results will be analyzed wet and evaluated accordingly to determine the estimated final Ra-226 concentration. The sample will then be prepared and analyzed a second time to provide quality level data for the other radionuclides of interest. In addition, each prepared sample would be analyzed within 30 days after preparation to finalize the Ra-226 concentration to an acceptable quality level.

The major limitation with this approach is the loss in productivity as a result of the double canning needs and increased count times for a portion of the samples.

Recommendation

The Onsite Radiological Laboratory recommends the use of alternative 4. This alternative minimizes risk of failing to meet expected cleanup ALARA goals and provides for maximum efficiency/productivity within the laboratory. The second favorable alternative is number 5. This alternative would increase the workload in the laboratory, but would further reduce the risk of over excavation and failure to meet desired cleanup objectives.

In all of the above alternatives, the estimated final Ra-226 concentration will be used in conjunction with the measured Ra-228 concentration as follows to determine if the mixture rule for the ALARA goals as described in the Record of Decision is achieved.

$$\frac{\text{Est. Final Ra-226 (pCi/g)}}{\text{5 pCi/g}} + \frac{\text{Ra-228 (pCi/g)}}{\text{5 pCi/g}} = \text{Mixture Ratio}$$

If mixture ratio <= 1, then the sample meets cleanup confirmation design. If mixture ratio > 1, then the sample must be considered by the ALARA committee.

MLF/RM/pr

Attachment

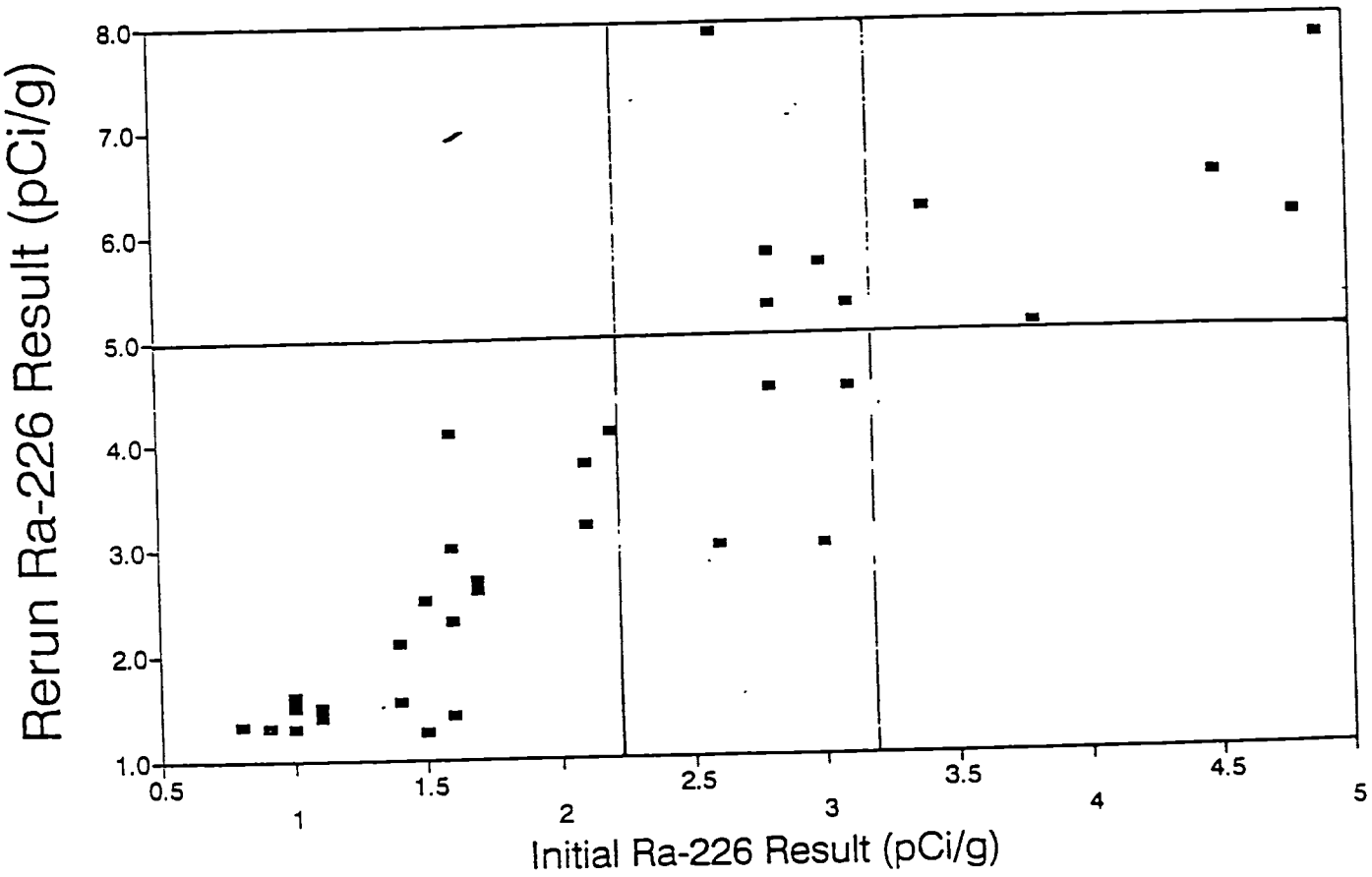
Distribution:

Ken Meyer	Alternates:	Marj Wesley
Steve Warren		Jack Cooney
Ken Greenwell		Dan Hoffman
Jim Meier		

cc: Melissa Lutz

Ra226 Concentration Range

Background - 5.0 pCi/g



MORRISON KNUDSEN CORPORATION
MK-FERGUSON GROUP

INTER-OFFICE CORRESPONDENCE

DATE: November 20, 1995

TO: ALARA Committee

FROM: Richard Machado/Michelle French MF

SUBJECT: TH232 DETERMINATION FOR SITE CONFIRMATION SAMPLES

Th232 can occur in two forms at the site: (1) naturally and (2) processed to purify Th232. Both of these forms are subject to the same transformation equation. Given a Th232 half life of 1.39 x 10^{10} years and a Ra228 half life of 5.75 years, a condition known as secular equilibrium occurs. Secular equilibrium occurs when the half life of the parent is very much greater than that of the daughter. If an initially pure parent (Th232) is formed, its radioactive transformation will result in accumulation of the daughter (Ra228). Since the daughter (Ra228) decays very much faster than the parent (Th232), a point is soon reached at which the amount of parent (Th232) present is equal to that of the daughter (Ra228).

The equation that represents this condition of secular equilibrium is:

$$Q_B = Q_A (1 - e^{-\lambda_B t})$$

where Q_A=parent (Th232) activity, Q_B=daughter (Ra228) activity, t=time since placement of material, and λ_B=decay constant for daughter (Ra228). Therefore, the fraction of daughter activity to parent activity

$$\left(\frac{A(RA\text{-}228)}{A(Th\text{-}232)}\right)$$

present at the WSSRAP in 1995 can be calculated.

Assume that production ceased at the site on January 1, 1965, and that all Th232 was produced on that very last day (t=30.9 years). Given a half life for Ra228 of 5.75 years, the decay constant would equal

$$(\lambda_B = 0.121\ Y^{-1})$$

11-30-95

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Given this information, the ratio of Ra228 activity to Th232 activity can be calculated as follows:

$$\frac{Q_B}{Q_A} = \frac{A\,(Ra\text{-}228)}{A\,(Th\text{-}232)} = 1 - e^{-\lambda_B t}$$

$$\frac{A\,(Ra228)}{A\,(Th232)} = 1 - e^{-(0.121Y^{-1})\,(30.9Y)} = 1 - 0.024 = 0.976$$

$$\therefore \frac{A\,(Ra\text{-}228)}{A\,(Th\text{-}232)} = 0.976 \quad or \quad A\,(Th\text{-}232) = 1.025\,A\,(Ra\text{-}228)$$

This representation will be true for both naturally occurring Th232 and processed Th232. The other situation to be addressed includes the circumstance when Ra228 and associated decay products were placed as a waste material after purification of Th232. In this situation, the amount of Ra228 present will be much greater than the Th232 present. This information is illustrated in a previous assessment of the ratio of Ra228 concentrations to that of Th232 in raffinate pit wastes. The average ratio was reported as 7.02 in the *Concentration Ratios of Radionuclides* in the U238, U235, and Th232 *Decay Series* (DOE/OR/21548-250), indicating that the average activity concentration for Th232 is 0.14 of the activity concentration for Ra228.

The Record of Decision states that if Th232 and Ra228 are present and not in secular equilibrium, the cleanup criteria apply for the radionuclide with the higher concentration. Thus, for determination of successful cleanup, the use of a Ra-228 ALARA goal of 4.88 pCi/g and a criteria of 6.05 pCi/g will result in removing Th232 to within 5 pCi/g (ALARA) and 6.2 pCi/g (criteria), respectively.

Given this practice, it is recommended that the on-site radiological analyses for Ra-228 concentrations in soil be used to determine attainment of Th-232 cleanup. It is also recommended that 2% of the samples (1 of every 50) that are independently analyzed via an off-site facility be used as a quality check for all radionuclides of interest (U238, Th230, Th232, Ra228, and Ra226). In addition, these numbers should be summarized in post remediation reports for each work package to support the decision to use Ra228 to determine successful cleanup of Th232.

RM/MF/jn

Distribution: ALARA Committee

Steve Warren
Ken Meyer
Ken Greenwell
Jim Meier

Alternates:
Marj Wesley
Jack Cooney
Dan Hoffman
Melissa Lutz

MORRISON KNUDSEN CORPORATION
MK-FERGUSON GROUP

INTER-OFFICE CORRESPONDENCE

DATE: April 27, 1999

TO: Dan Hoffman

FROM: Dave Cowell DC

SUBJECT: RA-226 RECOUNTS

In an effort to eliminate repetitive work, the on-site lab performed a study to determine if recounts 30 days after sealing sample cans was necessary for samples that have background or near background Ra-226 concentrations. As a result of the study, the lab will now only perform Ra-226 recounts for samples that fail the Radium ALARA preliminary calculation.

This calculation will involve multiplying the Ra-226 result by a correction factor of 2.27 (established in an IOC dated 11/17/95) and adding it to the Ra-228 result. If this result is greater than 5 pCi/g then that sample will be held and recounted 30 days later with the intention of reducing the final reported value.

This approach is conservative because the correction factor of 2.27 was established using samples with concentrations of up to 8 pCi/g. Samples having near background concentrations of Ra-226 do not ingrow to that level. Additionally, the correction factor was intended identify samples with Ra-226 levels that could exceed 5 pCi/g and did not account for the contribution from Ra-228, which we will include in this new calculation.

The attached page is included to illustrate the results of the study.

DC/jn

Attachment

Cc: Jim Meier
Steve Warren
Dave Hixson
John Coniglio
Melissa Lutz
Randy Thompson

APPENDIX E
Hot Spot Tables

Table E-1 Summary of Areas Identified by ORISE Having Elevated Readings[a]

WSSRAP_ID	CU Number [b]	ORISE 1x1 Reading (Background reading)	Pre-remediation Results (pCi/g) [c]	Post-remediation Results
SC-22107-S-HS01/RS01	221 (Figure 4-2)	6k (3k – 4k)	Total Radium > Criteria	Results < ALARA
SC-22107-S-HS02	221 (Figure 4-2)	8k (3k – 4k)	All results < Criteria	N/A
SC-22107-S-HS03/RS03	221 (Figure 4-2)	7k (3k – 4k)	Total Radium > Criteria	Results < ALARA
SC-22107-S-HS04	221 (Figure 4-2)	6k (3k – 4k)	All results < Criteria	N/A
SC-24705-S-RS01	247 (Figure 4-28)	8k (4k)	Area excavated without sampling	Results < ALARA
SC-24715-S-RS01	247 (Figure 4-28)	20k (4k)	Area excavated without sampling	Results < ALARA
SC-24716-S-RS01	247 (Figure 4-28)	20k (4k)	Area excavated without sampling	Results < ALARA
SC-24816-S-RS01	248 (Figure 4-29)	24k (4k)	Area excavated without sampling	Results < ALARA
SC-24816-S-RS02	248 (Figure 4-29)	12k (4k)	Area excavated without sampling	Results < ALARA
SC-24817-S-RS01	248 (Figure 4-29)	- (4k)	Area excavated without sampling	Results < ALARA
SC-24818-S-RS01	248 (Figure 4-29)	- (4k)	Area excavated without sampling	Results < ALARA
SC-24818-S-RS02	248 (Figure 4-29)	- (4k)	Area excavated without sampling	Results < ALARA
SC-26217-S-HS01/RS01	262 (Figure 4-43)	10k (7k)	Total Radium & Th-230 > Criteria	Results < ALARA
SC-26218-S-HS01	262 (Figure 4-43)	12k (7k)	All results < Criteria	N/A
SC-26218-S-HS02/RS02	262 (Figure 4-43)	10k (7k)	All results < Criteria	N/A
SC-26219-S-HS01/RS01	262 (Figure 4-43)	21k (7k)	Total Radium & Th-230 > Criteria	Results < ALARA
SC-26312-S-HS01/RS01	263 (Figure 4-44)	14k (6k)	Th-230 > Criteria	Results < ALARA
SC-26321-S-HS01/RS01	263 (Figure 4-44)	16k (6k)	Total Radium & Th-230 > Criteria	Results < ALARA
SC-26321-S-HS02/RS02	263 (Figure 4-44)	20k (6k)	Total Radium & Th-230 > Criteria	Results < ALARA
SC-26401-S-HS01/RS01	264 (Figure 4-45)	16k (7k)	Total Radium & Th-230 > Criteria	Results < ALARA
SC-26402-S-HS01/RS01	264 (Figure 4-45)	26k (7k)	Total Radium & Th-230 > Criteria	Results < ALARA
SC-26403-S-HS01/RS01	264 (Figure 4-45)	14k (7k)	Total Radium & Th-230 > Criteria	Results < ALARA
SC-26403-S-HS02	264 (Figure 4-45)	10k (7k)	Th-230 > Criteria	Sampled around and met hotspot rule
SC-26405-S-HS01/RS01	264 (Figure 4-45)	15k (7k)	Th-230 > Criteria	Results < ALARA
SC-26407-C-HS01/RS01	264 (Figure 4-45)	20k (7k)	Total Radium & Th-230 > Criteria	Results < ALARA
SC-26407-S-HS01/RS01	264 (Figure 4-45)	16k (7k)	Total Radium & Th-230 > Criteria	Results < ALARA
SC-26408-S-HS01/RS01	264 (Figure 4-45)	10k (7k)	Total Radium & Th-230 > Criteria	Results < ALARA

(a) These areas were identified by ORISE as having elevated readings during walkovers. Marked for PMC to further investigate.
(b) The Figures can be found in Section 4 of the text.
(c) Areas were identified as hotspots based upon preliminary data.
- Reading was not recorded.

Appendix E
Hotspot Calculations for left in place

ORISE Hotspots

SC-26403-S-HS02 **Th-230 concentration = 12.4 pCi/g**

Maximum Concentration = Criteria x $(100/A)^{1/2}$
$12.4 = 6.2 \times (100/A)^{1/2}$
$A = 25\ m^2$

PMC Hotspots

SC-22811-S **Radium concentration = 6.8 pCi/g**

Maximum Concentration = Criteria x $(100/A)^{1/2}$
$6.8 = 6.2 \times (100/A)^{1/2}$
$A = 83.13\ m^2 \rightarrow A = 25\ m^2$ (largest hotspot that can remain)

SC-23007-S **Th-230 concentration = 9.1 pCi/g**

Maximum Concentration = Criteria x $(100/A)^{1/2}$
$9.1 = 6.2 \times (100/A)^{1/2}$
$A = 46.4\ m^2 \rightarrow A = 25\ m^2$ (largest hotspot that can remain)

SC-23904-S-01 **Th-230 concentration = 9.14 pCi/g**

Maximum Concentration = Criteria x $(100/A)^{1/2}$
$9.14 = 6.2 \times (100/A)^{1/2}$
$A = 46.01\ m^2 \rightarrow A = 25\ m^2$ (largest hotspot that can remain)

SC-39105-S **Th-230 concentration = 16.4 pCi/g**

Maximum Concentration = Criteria x $(100/A)^{1/2}$
$16.4 = 6.2 \times (100/A)^{1/2}$
$A = 14.3\ m^2$