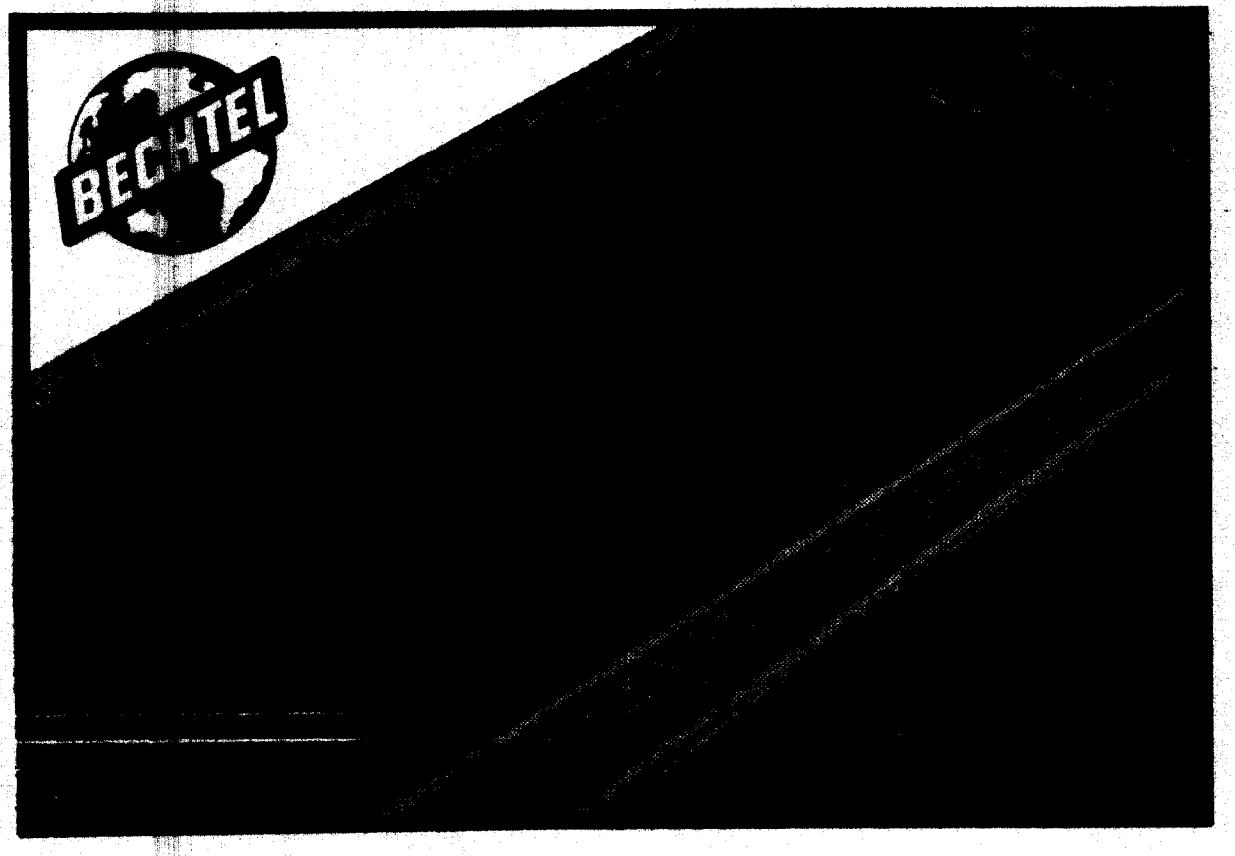
2786
M0.1 Bookcase
M0.1-5

RADIOLOGICAL SURVEY OF THE DITCHES AT THE ST. LOUIS AIRPORT STORAGE SITE (SLAPSS)

AUGUST 1983

PREPARED FOR THE U.S.DEPARTMENT OF ENERGY
UNDER CONTRACT NO. DE-AC05-81OR20722

BY BECHTEL NATIONAL, INC.
NUCLEAR FUEL OPERATIONS
P.O. BOX 350
OAK RIDGE, TN. 37830



LEGAL NOTICE

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Department of Energy, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

RADIOLOGICAL SURVEY

OF THE DITCHES AT THE

ST. LOUIS AIRPORT STORAGE SITE

(SLAPSS)

JULY 1983

Prepared for the U.S. Department of Energy
Under Contract No. DE-AC05-81OR20722

By

Bechtel National, Inc.
Nuclear Fuel Operations
P.O. Box 350
Oak Ridge, Tennessee 37830

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

1.0 INTRODUCTION

In 1946 the Manhattan Engineer District (MED), a predecessor of the Atomic Energy Commission (AEC) and the Department of Energy (DOE), acquired an 8.8-ha (21.7-acre) site north of the St. Louis Airport to use for storing residues resulting from the processing of uranium ores. This site is now called the St. Louis Airport Storage Site (SLAPSS).

The uranium processing performed by the Destrehan Street feed plant (under a contract with MED) continued through 1953; the resulting radioactive residues accumulated on the SLAPSS site. A complete inventory of these residues is given in References 1 and 2. Most of the residues were stored in bulk on open ground. Some contaminated materials and scrap were buried in the western end of the site and other areas on site. To limit direct radiation exposure to the public, the site was fenced and casual entry was prevented.

In 1966 and 1967, most of the stored residues were sold and removed from the site. Onsite structures were razed and buried on site, and 0.3 to 1 m (1 to 3 ft) of clean fill was spread over the site. Although these actions reduced the surface dose rates to acceptable levels, buried deposits of uranium-238, radium-226, and thorium-230 remained inside the fenced portion of the site. Ownership of the property was formally transferred from the AEC to the St. Louis-Lambert Airport in 1972.

Topographic and radiological surveys were conducted in 1965, 1969, and 1971 to document the surface elevations of the site and to determine its radiological status. There is no evidence that any of these surveys extended beyond the site fenceline to include the drainage ditches along Brown Road (now McDonnell Boulevard).

In 1976 and 1978, Oak Ridge National Laboratory (ORNL) performed radiological surveys of the property, including the ditches (Ref. 1). The surveys determined that radioactive materials were present in the drainage ditches north and south of McDonnell Boulevard. The contamination of the ditches (hereafter referred to as the offsite ditches) was believed to have been caused by runoff from the surface storage of residues.

Based on the results of the ORNL surveys, DOE determined that the radioactive materials in the offsite ditches should be excavated and either returned to the original SLAPSS site and stabilized, or moved to another disposal site yet to be determined. Selection of the preferred option for final disposition of the contamination from the SLAPSS site can only be made after the completion of the National Environmental Policy Act (NEPA) analysis.

In March 1981, Bechtel National, Inc. (BNI) was designated by DOE as the Project Management Contractor (PMC) for the Formerly Utilized (MED/AEC) Sites Remedial Action Program (FUSRAP), which is the DOE program responsible for remedial action activities at former MED/AEC sites. Because the earlier radiological surveys had not provided sufficient detail about the boundaries of contamination or the amount of materials that might have to be excavated from the offsite ditches, BNI performed a radiological characterization of the offsite ditches to provide the detailed information necessary for engineering design of remedial action required. The characterization survey was conducted during May and June 1982. This report describes the procedures used to conduct the characterization survey, its results, and the significance of the results.

2.0 SURVEY PROCEDURES

2.1 General

The current radiological survey was conducted in accordance with FUSRAP Radiological Manual, Project Instruction 20.01, Revision 1.

This survey used the grid which was previously established during the ORNL surveys of the site. The grid consisted of mutually perpendicular lines spaced 30 m (100 ft) apart, as shown in Figure 1. A smaller grid of 6 m by 6 m (20 ft by 20 ft) was established by the field survey crew to obtain closely spaced survey measurements to define the boundaries of contamination.

2.2 Field Measurements

Beta-gamma dose rate measurements were made on the ground surface at 6-m (20-foot) intervals within the grid. The measurements were made using an HP-210 thin-window probe coupled with an EIC Model PRS-1 ratemeter.

Near-surface gamma radiation measurements were made 30 cm (1 ft) above the ground surface at 6-m (20-ft) intervals within the grid blocks shown in Figure 2. The measurements were made using a 5 cm by 5 cm (2 in. by 2 in.) sodium-iodide (NaI) detector. This detector (EIC Model SPA-3) was mounted in a probe assembly shielded with lead to reduce the gamma-ray intensity through the sides, thus producing a downward directional response. By calibrating these measurements with results from analysis of surface soil samples, these near-surface gamma readings can provide a reliable estimate of the concentration of radium-226 in surface soil.

Gamma-ray exposure rates at 1 m (3.3 ft) above the ground were measured using a pressurized ionization chamber (PIC) with a response to gamma-rays that is proportional to exposure in roentgens. Readings were made at 30-m (100-foot) intervals within the grid.

Boreholes were drilled throughout the contaminated areas to determine the depth of gamma-emitting radionuclide contaminants (primarily radium-226). Borehole locations, shown in Figure 3, were chosen to cover all areas with known or suspected surface contamination. The areas were determined by analyses of surface gamma radiation measurements. Gamma-ray profiles of boreholes were measured using the SPA-3 detector. By calibrating these measurements with the results from soil samples, these gamma-ray loggings can provide a reliable estimate of the radium-226 concentration in subsurface soil.

2.3 Sample Collection and Analysis

Surface soil samples were collected at random grid points, as shown in Figure 4. Surface soil samples in this report are considered to be those from the top 15 cm (6 in.) of the soil. These soil samples were analyzed for radium-226 and thorium-232 on site in the Eberline Instrument Corporation (EIC) in-situ van (Ref. 3). The locations for collection of surface soil samples were determined based on near-surface gamma-ray measurements data. Surface soil samples consisted of composites of soil plugs 1.9 cm (0.75 in.) in diameter to a depth of 15 cm (6 in.). Plugs were collected within a 1-m (3.2 ft) diameter area around the grid point selected for sampling. At the time of sampling, a second near-surface gamma-ray measurement was made at the center of the sampling location. Samples were placed in 0.5-liter (1-pt.) plastic container, labelled, and capped.

Each sample was analyzed for 10 minutes by gamma-ray spectroscopy using a 30 percent intrinsic germanium detector housed in a lead counting cave lined with copper and cadmium.

Subsurface soil samples were collected using Shelby tube samplers at locations shown in Figure 5. The core samples were removed in approximately 10-cm (4-in.) increments. These core samples were analyzed in the same manner as the surface soil samples.

Water and stream sediment samples were collected from Coldwater Creek at locations indicated on Figure 6. Sediment samples were analyzed for radium-226 and thorium-232 by gamma spectroscopy in the same manner as the soil samples. Water samples were sent to the EIC laboratory in Albuquerque, New Mexico, for radium-226, thorium-232, and uranium-238 analysis by standard radiochemical techniques. Beta-gamma dose rate measurements and near-surface gamma-ray measurements were made on each bank of the creek at locations where water and sediment samples were taken.

Additional water samples were collected from ditches along McDonnell Boulevard if standing water was present. Miscellaneous samples of vegetation found in contaminated areas were collected. All water and miscellaneous samples were sent to the Albuquerque laboratory for radiochemical analysis.

2.4 Quality Assurance

Established procedures were followed in the collection and analysis of environmental samples. EIC is governed by its internal quality control program which consists of duplicates, spikes, and blanks. EIC's internal quality control results are compared monthly with EPA crosscheck program results.

3.0 SURVEY RESULTS

3.1 General

All direct field survey measurement and laboratory results in this report represent gross readings; background measurements and concentrations were not subtracted. Background measurements had been previously measured (Ref. 1). Background soil concentrations in pCi/g applicable to the SLAPSS area have been measured as follows: radium-226 = 1.0 $\pm$0.3; thorium-232 = 1.0 $\pm$0.3; and uranium-238 = 1.1 $\pm$0.4.

3.2 Measurements Made to Define Limits of Contamination

Near-surface gamma-radiation measurement results are given in Table 1. Table 1 lists measurements by coordinates, giving the field measurements in counts per minute (cpm) and calculated radium-226 concentration in picocuries per gram (pCi/g). These calculated concentrations are based on correlations between the count rates and the surface-soil measurement results given in Table 2. Surface-soil samples were analyzed for radium-226 and other gamma-ray emitting nuclides. Results for radium-226 and thorium-232 are given; no other nuclides of the radium or thorium decay series were found in significant quantities. Results for thorium-232 are in the range of background. The elevated radium-226 concentrations were used to define the limits of excavation for remedial action based on EPA criteria for radium-226 (40 CFR 142).

Subsurface-soil analysis results are given in Table 3 which lists samples by coordinates and depth. As in the surface-soil samples, the major radioactive contaminant is radium-226. Correlation of the radium concentrations in Table 3 and the borehole gamma-ray scan data in Table 4 was used to determine depth of radium-226 contamination.

Results from previous surveys (Ref. 1) have also shown that radium-226 is the primary contaminant in the ditches along McDonnell Boulevard. The analytical results from the 1982 BNI survey given in Tables 2 and 3 have confirmed these findings. Construction limits for remedial action were defined on the basis of radium-226 analyses and gamma radiation measurements.

3.3 Measurements Made to Assess the Radiological Status of the Area

Beta-gamma surface dose-rate measurements are given in Table 1. These measurements were taken as spot checks of the measurements reported in Reference 1. The surface dose rates are in agreement with those reported in Reference 1.

Sampling and measurements were made in Coldwater Creek and along its banks to determine the extent of contaminant migration from the drainage ditch. Sediment sample analyses are given in Table 5; all results are within the normal range of background. Near-surface gamma radiation measurement and surface beta-gamma dose rates are given in Table 6; again, these measurements are within the limits of background. Results of water sample analyses are given in Table 7. All measurements in and around Coldwater Creek show no evidence of migration of contaminants from the drainage ditches.

Samples of water standing in ditches and trenches excavated for this survey were analyzed for selected radionuclides; results are given in Table 8. The maximum uranium concentration observed was 2,067 pCi/l. This concentration was within the 20,000 pCi/l release limit from the Nuclear Regulatory Commission (NRC) guide, 10 CFR 20. The NRC guide is applicable since the SLAPSS site is not owned by DOE.

Composite samples of vegetation growing in contaminated areas were analyzed for radionuclides. Results given in Table 9 indicate that no appreciable amounts of radium-226, thorium-232, or uranium-238 have been assimilated by vegetation.

Gamma-ray exposure rates were measured using a pressured ion chamber (PIC) at 1 m (3.28 ft) above the ground. These measurements were taken as spot checks of those measurements reported in Reference 1. Results given in Table 10 are in favorable agreement with those given in Reference 1.

4.0 SIGNIFICANCE OF FINDINGS

4.1 Extent of Contamination

As discussed in Section 3.2, results from Table 1 and Table 2 were used to determine the extent of surface contamination; Table 3 and Table 4 were used to determine the depth of contamination. These data were plotted on a drawing of the grid system, which was used to determine the areal extent of

the contamination. The extent of contamination was determined based on the following criteria: (1) 5 pCi/g, averaged over the first 15 cm (6 in.) of soil below the surface, and (2) 15 pCi/g, averaged over 15-cm-thick (6-in. thick) soil layers more than 15 cm (6 in.) below the surface (40 CFR 192). The depth of contamination as defined by these criteria was determined from these plots. The results of these determinations are given in Figures 7 and 8. Figures 7 and 8 indicate the areas containing radium-226 contamination and excavation depths required to achieve criteria levels. Figures 7 and 8 can be used to estimate the volume of material to be removed for decontamination to each of the criteria.

In addition to the excavation in the offsite ditches, a limited area inside the property boundary may also be excavated to reduce the potential for recontamination of the offsite ditches. A total of approximately 13,000 cubic yards of material is scheduled to be removed during remedial action activities.

4.2 Sources of Ditch Contamination

The most likely source of contamination of the ditches along McDonnell Boulevard appears to be rainfall runoff from residues. Another contributor could have been spills from trucks hauling residues on and off the site, particularly at the east end of the site (Ref. 1 and Ref. 2).

4.3 Water and Sediment Analyses from Coldwater Creek

Results of analyses of water and sediment samples collected from Coldwater Creek are given in Tables 5 and 7. Near-surface gamma-radiation measurements are given in Table 6. All these data confirm the findings given in Reference 1 that there is no detectable increase in radionuclide content at Coldwater Creek that can be attributed to runoff from SLAPSS or any other source.

5.0 SUMMARY

The radiological survey of the ditches north of the SLAPSS site, conducted during May and June 1982, defined the horizontal and vertical boundaries of contamination in the ditches, as shown in Figures 7 and 8. The primary contaminant was found to be radium-226. The primary sources of contamination of the ditches appear to have been historical. Probably, the present major contributor of contamination to the ditches is runoff from contaminated material adjacent to the fence. Excavation limits have been defined to remove the contaminated material from the ditches and from areas immediately adjacent to the fence.

References

1. Radiological Survey of the St. Louis Airport Storage Site, St. Louis, Missouri, DOE/EV-0005/16, September, 1979.

2. Formerly Utilized Sites Remedial Action Program. St. Louis Airport Storage Site (SLAPSS), Technical Series, Volume 1, Site Characterization, No. 1, Site History, Topographical and Radiological Data Analysis, Geological/Hydrological Data, Appendix A - Plates, Prepared by Roy F. Weston, Inc. for Oak Ridge National Laboratory under Contract 32C-705-18C, June, 1981.

3. Radiation Measurement Capability for Decontamination to Unrestricted Use, Paper presented at the 1982 International Decommissioning Symposium, Oct. 10-14, 1982, Seattle, Washington, USA, Prepared by R. D. Glenn, E. Walker, and F. F. Haywood.

SLAPSS MASTER GRID

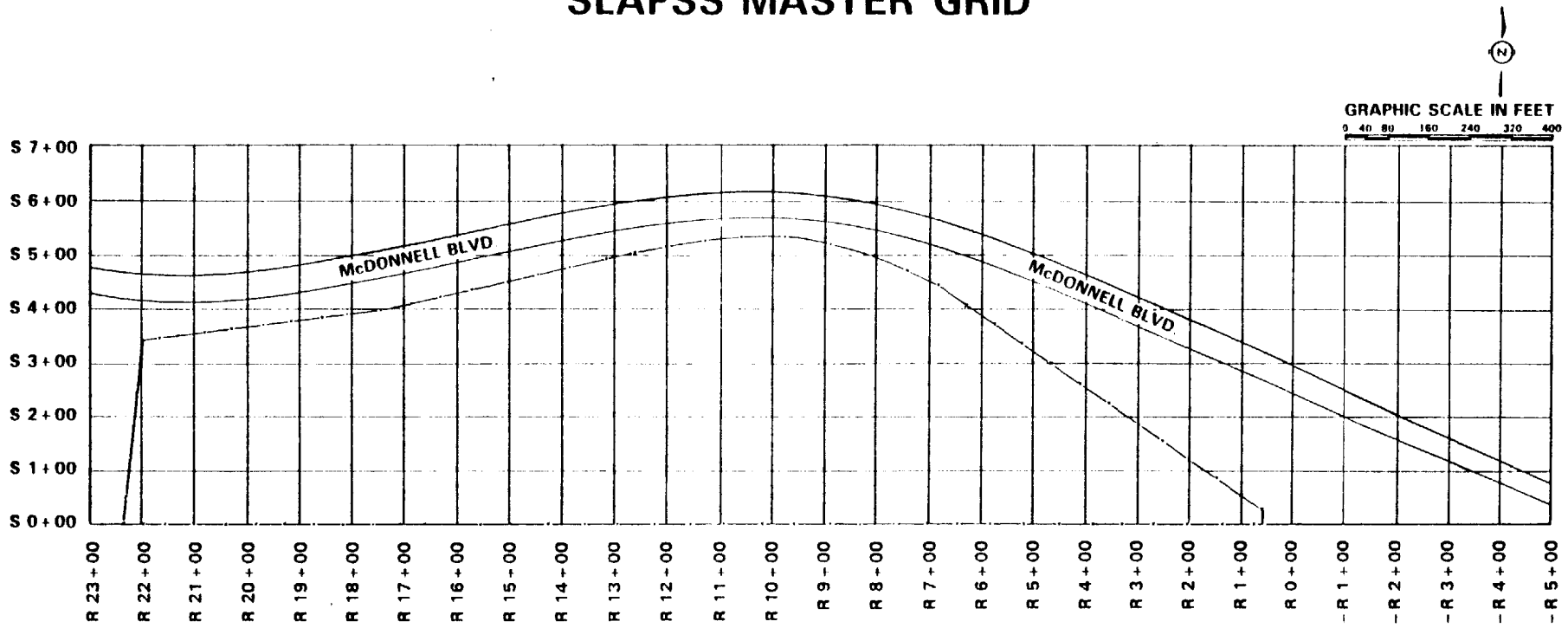
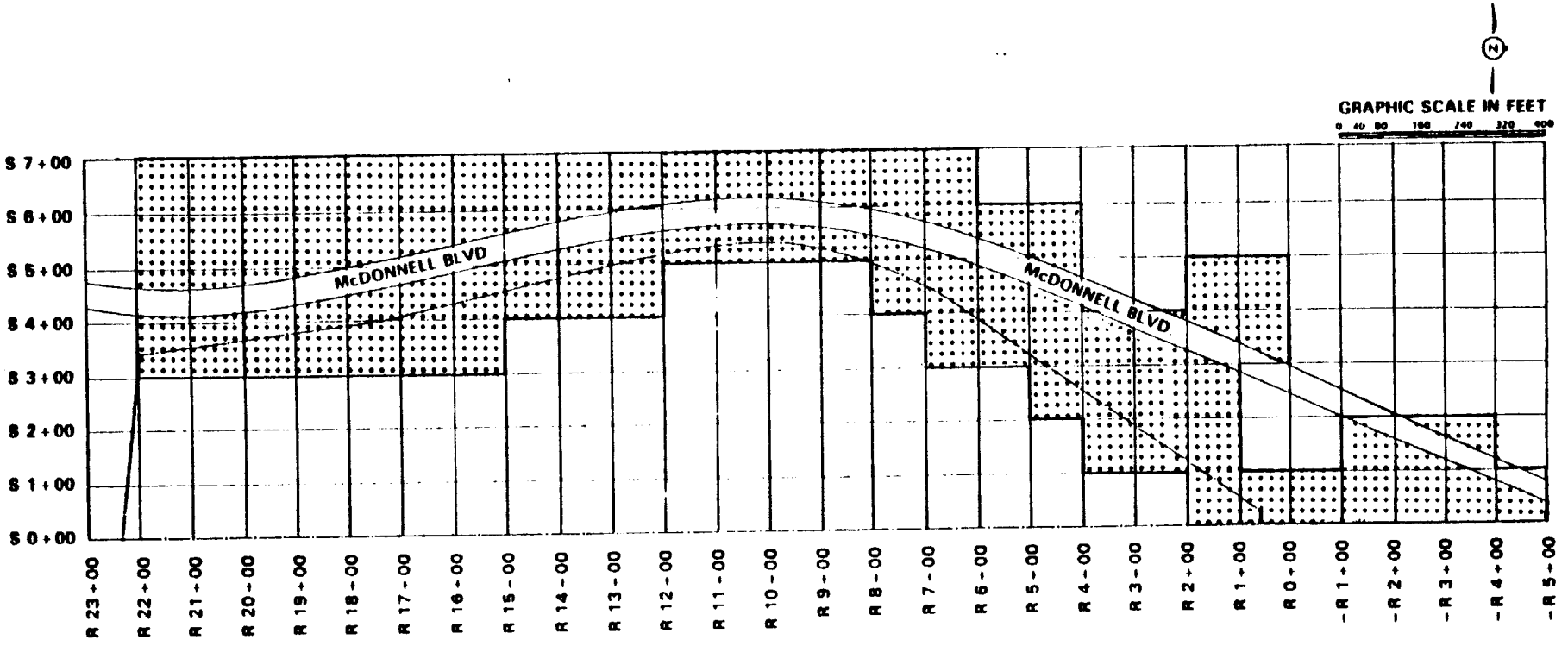


Figure 1

SLAPSS NEAR SURFACE GAMMA RADIATION MEASUREMENTS



INDICATES AREAS WHERE NEAR SURFACE GAMMA RADIATION MEASUREMENTS WERE MADE.

FIGURE 2

BOREHOLE LOCATIONS

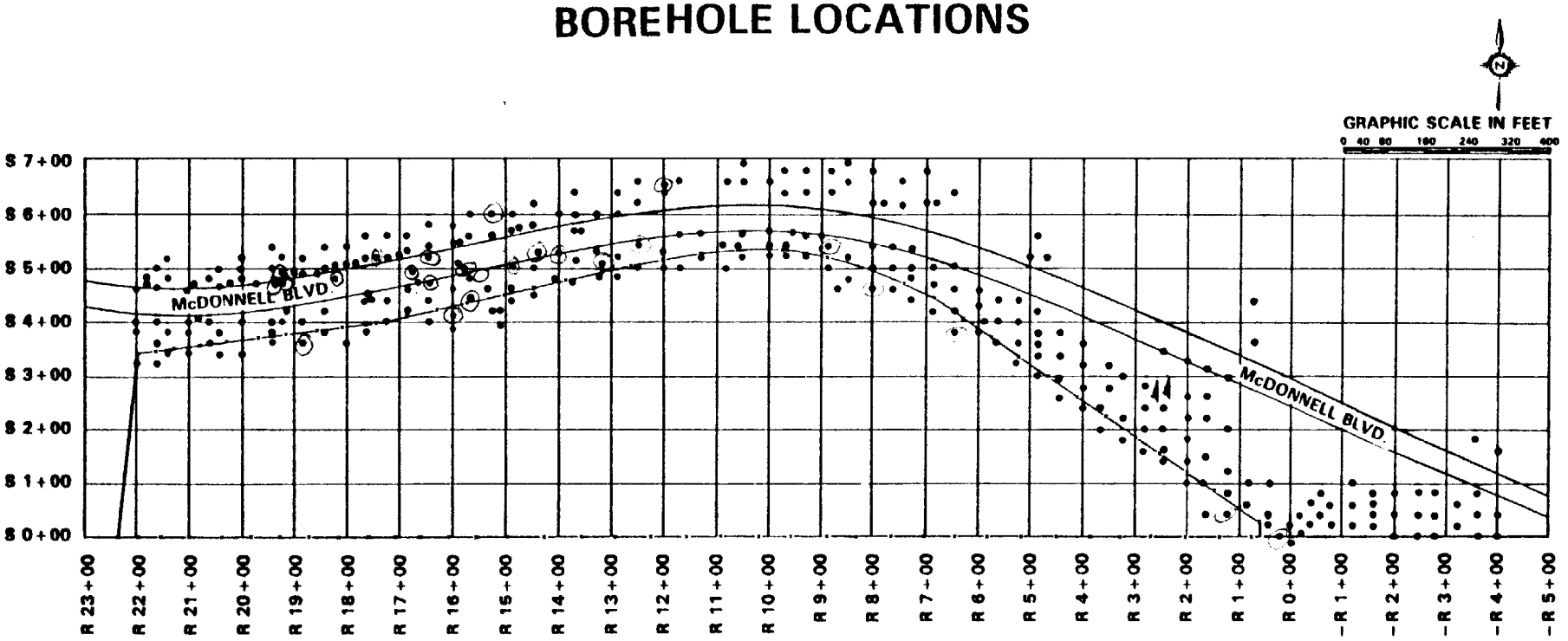


Figure 3

SURFACE SOIL SAMPLE LOCATIONS

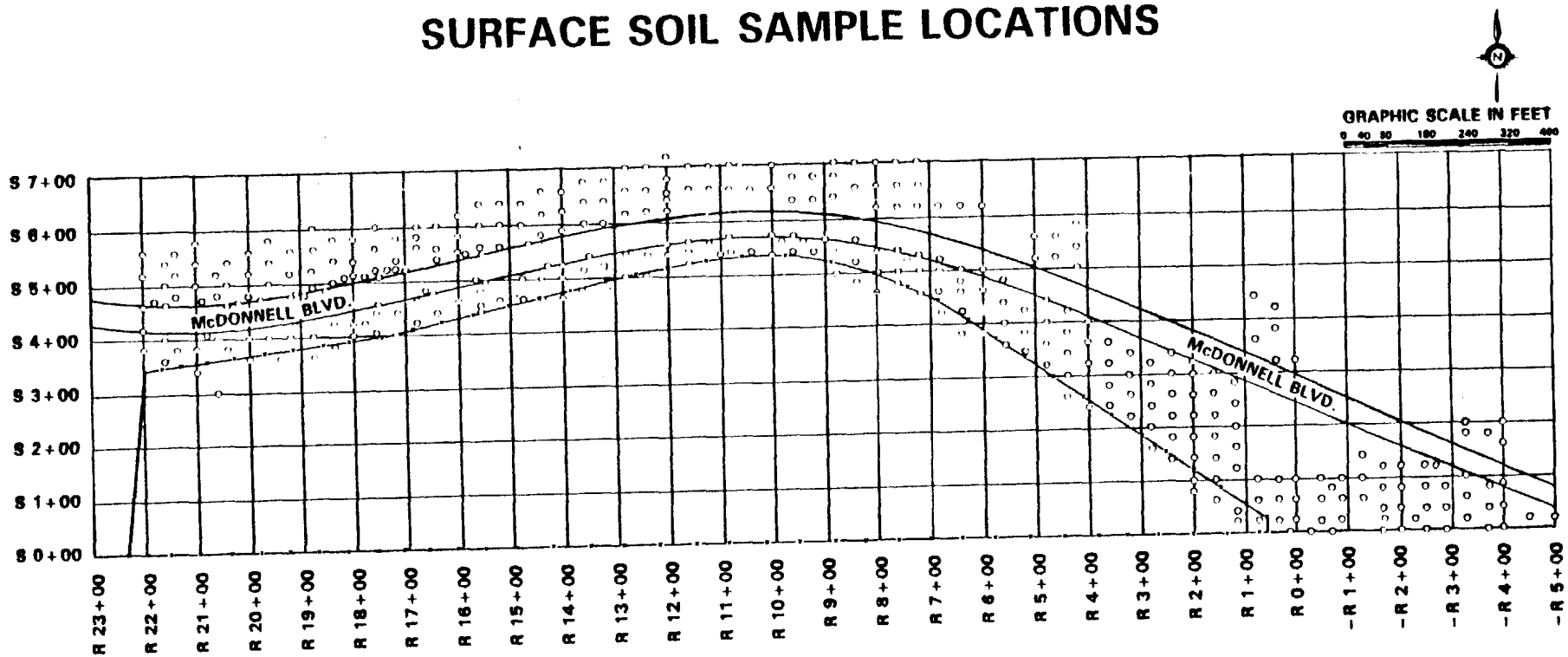


Figure 4

SUBSURFACE SOIL SAMPLE LOCATIONS

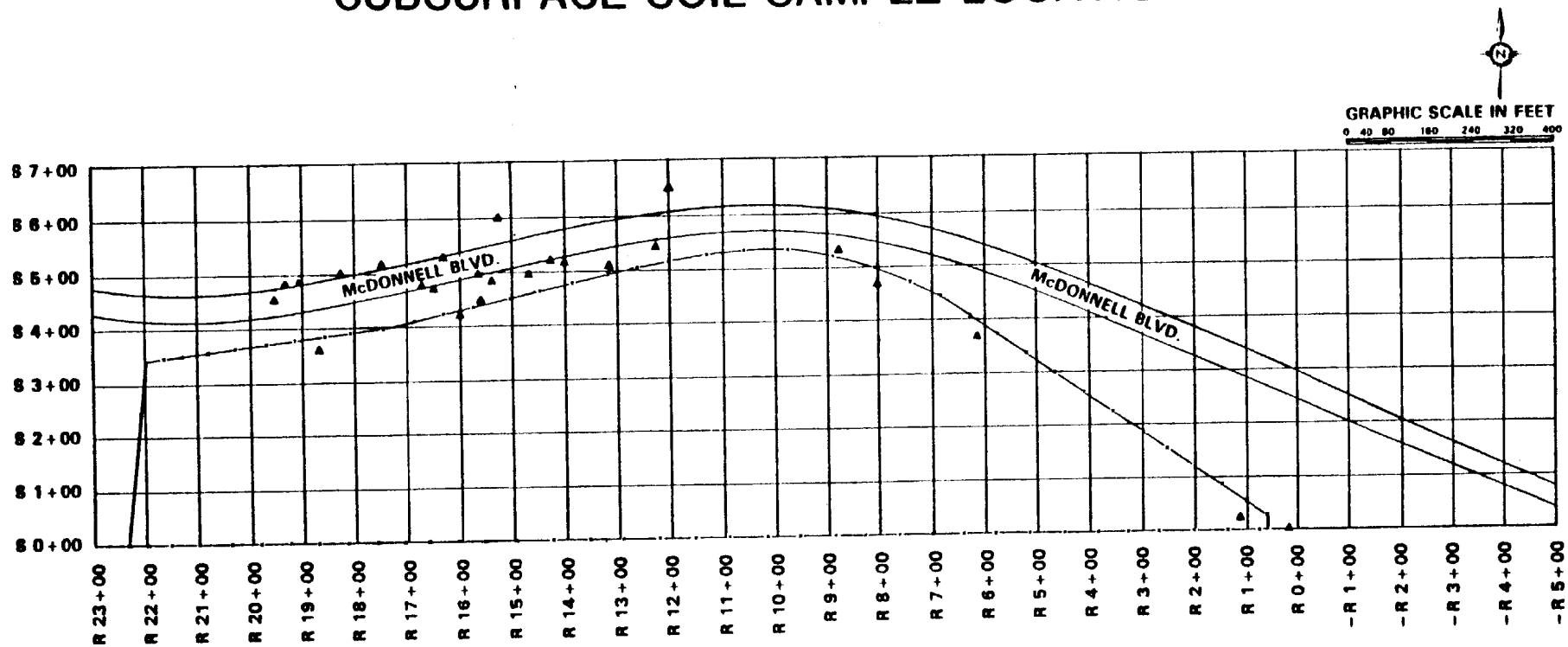
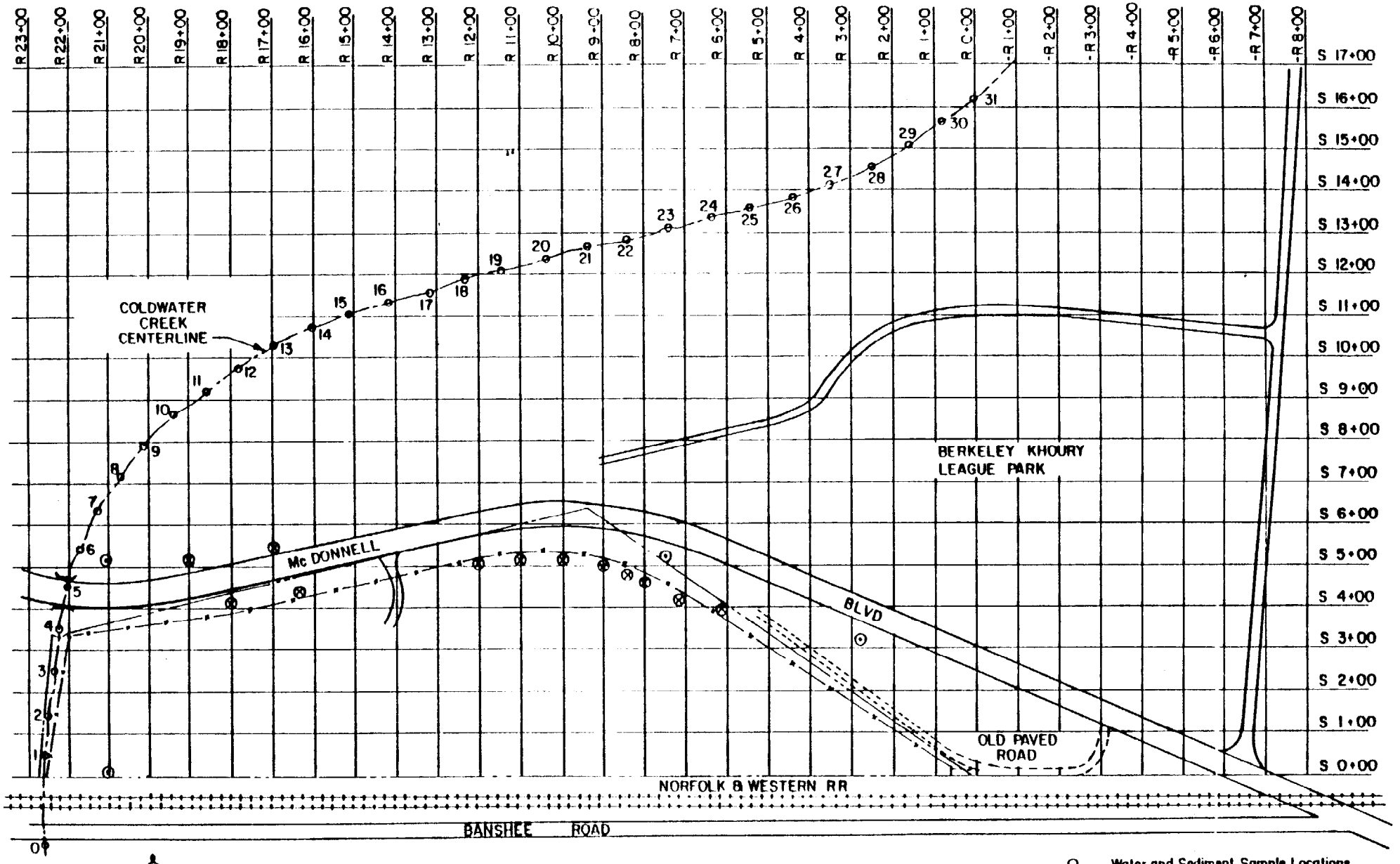


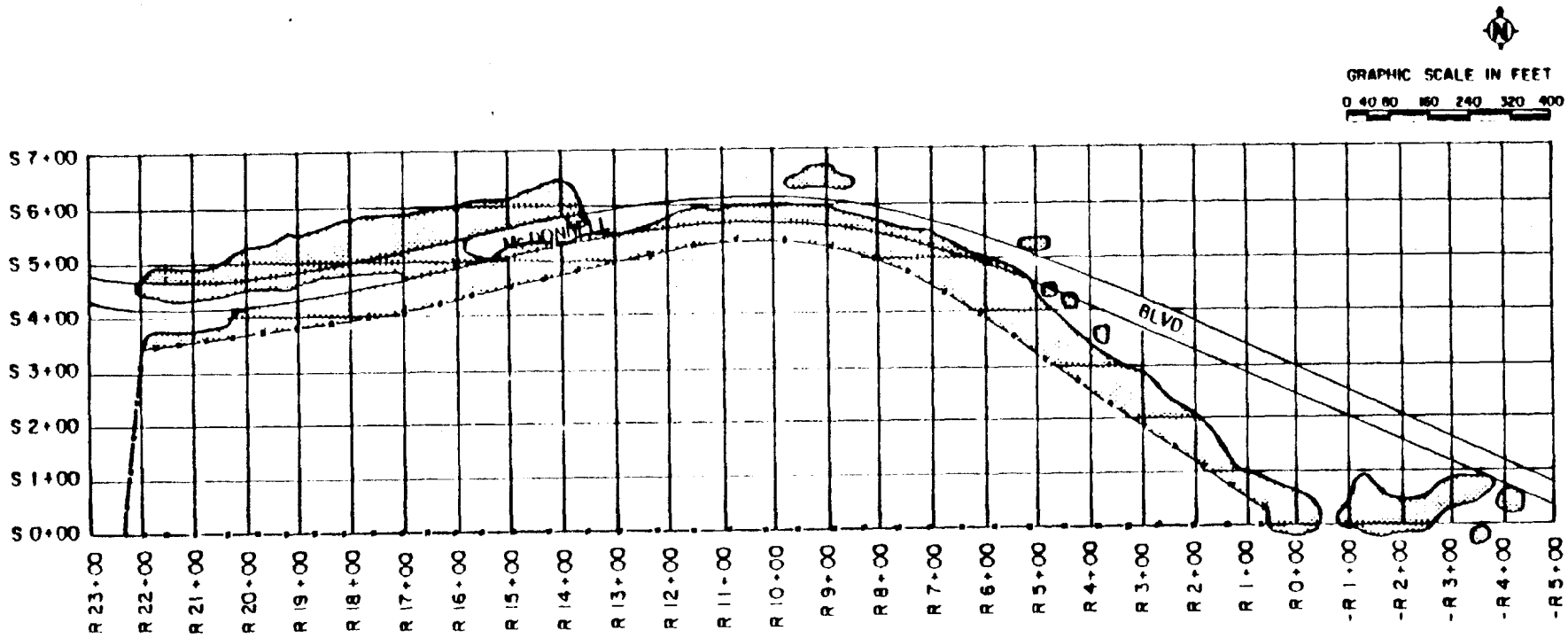
Figure 5



WATER AND SEDIMENT SAMPLE LOCATIONS

FIGURE 6

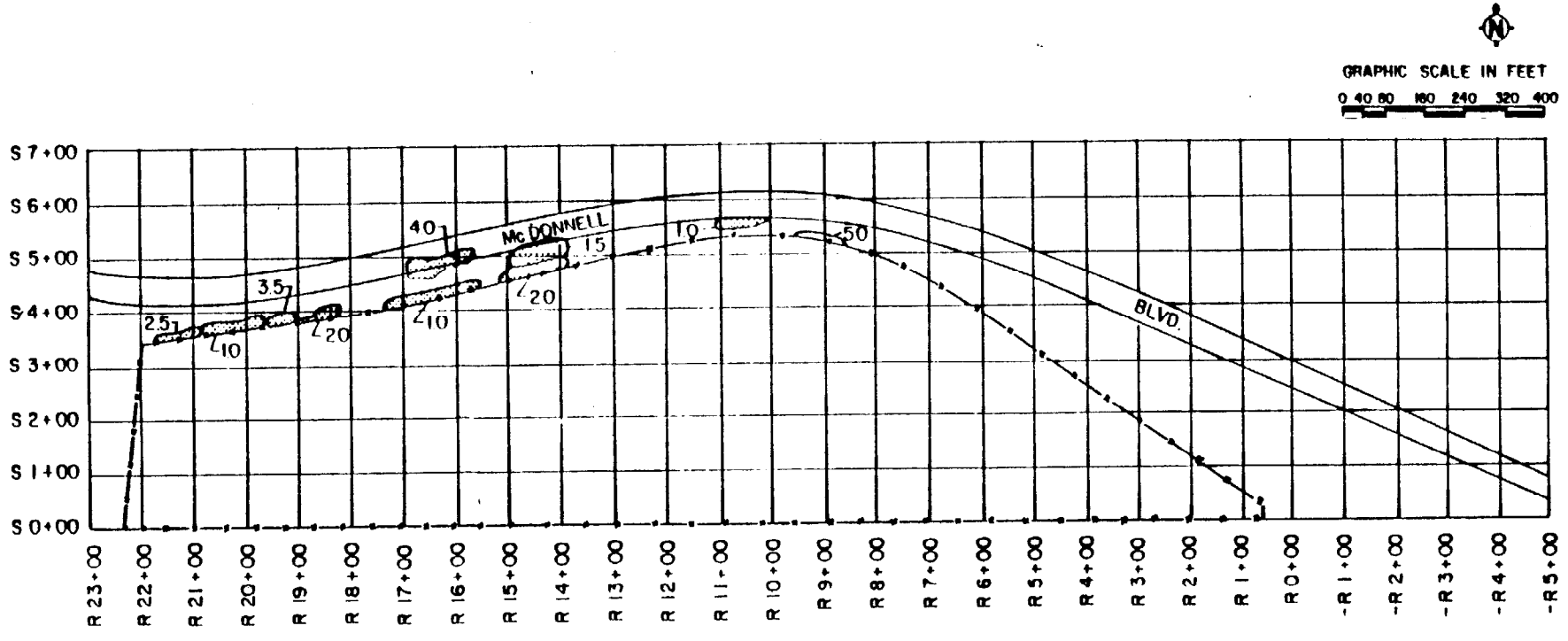
SURFACE CONTAMINATION GREATER THAN 5 pCi/g ON OFFSITE PROPERTIES*



* SHADED AREA INDICATE CONTAMINATION FROM 0 to 15 cm in DEPTH

Figure 7

SUBSURFACE CONTAMINATION GREATER THAN 15 pCi/g ON OFFSITE PROPERTIES*



* SHADED AREA INDICATE CONTAMINATION GREATER THAN 15 cm in DEPTH

NUMBER INDICATE MAXIMUM DEPTH OF CONTAMINATION IN FEET

Figure 8

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
- 600	20	4888	1.1	0.04
- 580	20	7834	2.8	0.04
- 560	20	6114	1.8	0.05
- 540	20	7750	2.8	0.04
- 540	40	7998	2.9	0.04
- 540	60	5488	1.5	0.05
- 520	20	6346	2.0	0.05
- 520	40	6198	1.9	0.04
- 520	60	9228	3.6	0.05
- 500	0	6298	1.9	0.05
- 500	20	10328	4.3	0.08
- 480	0	6372	2.0	0.04
- 480	20	5708	1.6	0.06
- 480	40	5116	1.3	0.03
- 460	0	5266	1.4	0.05
- 460	20	6296	1.9	0.04
- 460	40	6970	2.3	0.03
- 440	0	6240	1.9	0.03
- 440	20	6612	2.1	0.05
- 440	40	7084	2.4	0.04
- 420	0	6500	2.1	0.04
- 420	20	5828	1.7	0.05
- 420	40	7536	2.7	0.05
- 400	0	6656	2.2	0.05
- 400	20	6382	2.0	0.04
- 400	40	6445	2.0	0.04
- 400	60	9576	3.8	0.04
- 400	80	4171	0.7	0.02
- 400	140	5076	1.2	0.05
- 400	160	6556	2.1	0.07
- 400	180	6070	1.8	0.03
- 400	200	5012	1.2	0.04
- 380	0	7174	2.5	0.06
- 380	20	7396	2.6	0.08
- 380	40	6982	2.3	0.05
- 380	60	6902	2.3	0.04
- 380	80	8830	3.4	0.04
- 380	160	6430	2.0	0.03
- 380	180	6218	1.9	0.07
- 380	200	5382	1.4	0.06
- 360	0	8468	3.2	0.06
- 360	20	9768	3.9	0.07
- 360	40	6272	1.9	0.05
- 360	60	6340	2.0	0.03
- 360	80	6340	2.0	0.08

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
- 360	160	5196	1.3	0.04
- 360	180	5332	1.4	0.03
- 360	200	5738	1.6	0.05
- 340	- 20	12322	5.4	0.06
- 340	0	3784	0.5	0.09
- 340	20	6792	2.2	0.03
- 340	40	9182	3.6	0.06
- 340	60	5522	1.5	0.04
- 340	80	5522	1.5	0.04
- 340	100	5236	1.3	0.05
- 340	160	3428	0.3	0.04
- 340	180	4658	1.0	0.03
- 340	200	5198	1.3	0.06
- 320	0	4938	1.2	0.04
- 320	20	7928	2.9	0.06
- 320	40	5846	1.7	0.06
- 320	60	5768	1.6	0.04
- 320	80	4568	1.0	0.04
- 320	100	5744	1.6	0.03
- 320	180	4258	0.8	0.04
- 320	200	6244	1.9	0.05
- 300	0	7524	2.7	0.08
- 300	20	6264	1.9	0.03
- 300	40	4744	1.1	0.04
- 300	60	14748	6.8	0.10
- 300	80	12904	5.8	0.07
- 300	100	5582	1.5	0.04
- 300	120	6060	1.8	0.02
- 300	180	3720	0.5	0.05
- 300	200	6042	1.8	0.05
- 280	0	7252	2.5	0.06
- 280	20	8872	3.4	0.06
- 280	40	10190	4.2	0.06
- 280	60	10174	4.2	0.04
- 280	80	7818	2.8	0.04
- 280	100	10354	4.3	0.08
- 280	120	5184	1.3	0.04
- 260	0	8276	3.1	0.03
- 260	20	8890	3.4	0.07
- 260	40	8284	3.1	0.04
- 260	60	6396	2.0	0.04
- 260	80	6304	2.0	0.04
- 260	100	7374	2.6	0.03
- 260	120	7664	2.7	0.04
- 240	0	8900	3.4	0.05

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
- 240	20	13142	5.9	0.07
- 240	40	7430	2.6	0.05
- 240	60	5740	1.6	0.04
- 240	80	6414	2.0	0.04
- 240	100	6344	2.0	0.04
- 240	120	6246	1.9	0.05
- 220	0	12660	5.6	0.06
- 220	20	11546	5.0	0.08
- 220	40	6004	1.8	0.07
- 220	60	5596	1.5	0.04
- 220	80	6644	2.1	0.04
- 220	100	6382	2.0	0.05
- 220	120	7394	2.6	0.04
- 200	0	8630	3.3	0.04
- 200	20	5546	1.5	0.09
- 200	40	6038	1.8	0.03
- 200	60	6156	1.9	0.05
- 200	80	6708	2.2	0.04
- 200	100	5788	1.7	0.04
- 200	120	7766	2.8	0.06
- 200	140	6558	2.1	0.06
- 200	160	5200	1.3	0.05
- 180	- 20	6884	2.3	0.04
- 180	0	8346	3.1	0.05
- 180	20	9836	4.0	0.10
- 180	40	6082	1.8	0.04
- 180	60	5768	1.6	0.04
- 180	80	6412	2.0	0.04
- 180	100	5450	1.5	0.04
- 180	120	5846	1.7	0.05
- 180	140	6262	1.9	0.03
- 180	160	8460	3.2	0.07
- 160	- 20	7766	2.8	0.06
- 160	0	8876	3.4	0.04
- 160	20	7338	2.5	0.07
- 160	40	5792	1.7	0.05
- 160	60	5686	1.6	0.04
- 160	80	5626	1.6	0.04
- 160	100	5772	1.6	0.05
- 160	120	6104	1.8	0.04
- 160	140	6730	2.2	0.06
- 160	160	6424	2.0	0.08
- 160	180	4522	0.9	0.05
- 140	- 20	8280	3.1	0.07
- 140	0	10616	4.4	0.05

Table 1

Calculated In-Situ Radium-226 pCi/s from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/s	HP-210 mRad/hr
- 140	20	19058	9.3	0.24
- 140	40	5922	1.7	0.03
- 140	60	6088	1.8	0.03
- 140	80	5416	1.4	0.04
- 140	100	5850	1.7	0.05
- 140	120	5571	1.5	0.05
- 140	140	6048	1.8	0.06
- 140	160	6356	2.0	0.04
- 140	180	7478	2.6	0.06
- 120	- 20	7870	2.9	0.05
- 120	0	8786	3.4	0.05
- 120	20	8776	3.4	0.17
- 120	40	5716	1.6	0.05
- 120	60	6220	1.9	0.03
- 120	80	13070	5.9	0.05
- 120	100	6106	1.8	0.05
- 120	120	5982	1.8	0.04
- 120	140	5510	1.5	0.03
- 120	160	6838	2.3	0.07
- 120	180	8092	3.0	0.06
- 100	- 20	7168	2.5	0.06
- 100	0	9092	3.6	0.07
- 100	20	14358	6.6	0.14
- 100	40	5924	1.7	0.04
- 100	60	5704	1.6	0.05
- 100	80	5566	1.5	0.04
- 100	100	5052	1.2	0.04
- 100	120	6227	1.9	0.05
- 100	140	5322	1.4	0.05
- 100	160	5976	1.8	0.04
- 100	180	6964	2.3	0.06
- 100	200	4422	0.9	0.04
- 80	- 20	6296	1.9	0.07
- 80	0	6864	2.3	0.06
- 80	20	10884	4.6	0.10
- 80	40	5802	1.7	0.03
- 80	60	5964	1.8	0.03
- 80	80	5420	1.4	0.04
- 60	0	8310	3.1	0.07
- 60	20	8360	3.1	0.09
- 60	40	6714	2.2	0.04
- 60	60	6074	1.8	0.04
- 60	80	5806	1.7	0.03
- 60	100	5598	1.5	0.04
- 40	0	11586	5.0	0.07

Table 1

Calculated In-Situ Radium-226 pCi/s from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/s	HP-210 mRad/hr
- 40	20	7525	2.7	0.08
- 40	40	6825	2.3	0.07
- 40	60	6564	2.1	0.04
- 40	80	6036	1.8	0.03
- 40	100	5706	1.6	0.04
- 20	0	16644	7.9	0.07
- 20	20	5884	1.7	0.08
- 20	40	17178	8.2	0.07
- 20	60	6086	1.8	0.06
- 20	80	6516	2.1	0.04
- 20	100	5972	1.8	0.03
0	0	16522	7.8	0.06
0	20	63160	34.7	0.41
0	40	11718	5.1	0.08
0	60	6468	2.0	0.02
0	80	6342	2.0	0.04
0	100	5626	1.6	0.04
0	300	5430	1.4	0.05
0	320	6208	1.9	0.07
0	340	5666	1.6	0.04
0	360	5830	1.7	0.06
0	380	5252	1.4	0.05
0	400	5196	1.3	0.07
0	420	5870	1.7	0.06
0	440	5690	1.6	0.07
20	0	24874	12.7	0.20
20	20	5522	1.5	0.91
20	40	5522	1.5	0.06
20	60	16866	8.0	0.07
20	80	5974	1.8	0.04
20	100	5948	1.7	0.04
20	320	4572	1.0	0.05
20	340	5634	1.6	0.04
20	360	6062	1.8	0.06
20	380	5416	1.4	0.06
20	400	5280	1.4	0.08
20	420	5852	1.7	0.06
20	440	5118	1.3	0.05
40	0	39776	21.2	0.19
40	20	54066	29.5	0.32
40	40	26742	13.7	0.14
40	60	7778	2.8	0.06
40	80	6130	1.9	0.03
40	100	5896	1.7	0.05
40	320	5608	1.6	0.03

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
40	340	6044	1.8	0.04
40	360	6244	1.9	0.05
40	380	5020	1.2	0.06
40	400	5300	1.4	0.04
40	420	5740	1.6	0.07
40	440	5994	1.8	0.03
40	520	7120	2.4	0.05
60	0	53666	29.3	0.19
60	20	71102	39.3	0.41
60	40	31458	16.5	0.10
60	60	4536	0.9	0.05
60	80	11998	5.2	0.05
60	100	5770	1.6	0.04
60	120	5726	1.6	0.04
60	140	5160	1.3	0.03
60	160	5256	1.3	0.04
60	180	5056	1.2	0.06
60	200	5506	1.5	0.06
60	220	6348	2.0	0.04
60	240	7914	2.9	0.03
60	260	7512	2.6	0.05
60	280	4838	1.1	0.05
60	340	6054	1.8	0.07
60	360	6320	2.0	0.07
60	380	5382	1.4	0.06
60	400	5404	1.4	0.06
60	420	5728	1.6	0.03
60	440	5494	1.5	0.06
80	0	13418	6.1	0.12
80	20	63178	34.7	0.33
80	40	20640	10.2	0.11
80	60	16862	8.0	0.08
80	80	4950	1.2	0.07
80	100	9132	3.6	0.05
80	120	6070	1.8	0.04
80	140	5234	1.3	0.04
80	160	5324	1.4	0.04
80	180	5410	1.4	0.03
80	200	5900	1.7	0.06
80	220	6656	2.2	0.05
80	240	7496	2.6	0.04
80	260	7164	2.4	0.05
80	280	4608	1.0	0.03
80	340	4700	1.0	0.05
80	360	7018	2.4	0.06

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
80	380	5786	1.7	0.04
80	400	5350	1.4	0.04
80	420	5530	1.5	0.06
80	440	5788	1.7	0.07
100	0	9970	4.1	0.05
100	20	9820	4.0	0.09
100	40	18440	8.9	0.16
100	60	12758	5.7	0.06
100	80	12664	5.6	0.08
100	100	11678	5.1	0.24
100	120	6766	2.2	0.03
100	140	6432	2.0	0.04
100	160	6112	1.8	0.04
100	180	7122	2.4	0.04
100	200	6884	2.3	0.04
100	220	6480	2.1	0.06
100	240	6312	2.0	0.04
100	260	7160	2.4	0.03
100	280	8276	3.1	0.05
100	340	5158	1.3	0.06
100	360	6736	2.2	0.06
100	380	5766	1.6	0.07
100	400	5270	1.4	0.06
100	420	5884	1.7	0.06
100	440	5596	1.5	0.06
120	0	6606	2.1	0.06
120	20	9802	4.0	0.06
120	40	6676	2.2	0.08
120	60	6846	2.3	0.07
120	80	10984	4.7	0.06
120	100	9578	3.8	0.20
120	120	9982	4.1	0.05
120	140	7698	2.8	0.06
120	160	7900	2.9	0.04
120	180	7616	2.7	0.06
120	200	7302	2.5	0.04
120	220	6620	2.1	0.05
120	240	6630	2.1	0.04
120	260	7404	2.6	0.04
120	280	7220	2.5	0.04
120	300	5520	1.5	0.04
140	0	19230	9.4	0.08
140	20	10436	4.3	0.12
140	40	6730	2.2	0.07
140	60	5334	1.4	0.06

Table 1

Calculated In-Situ Radium-226 pCi/s from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/s	HP-210 mRad/hr
140	80	19858	9.8	0.08
140	100	11928	5.2	0.06
140	120	5390	1.4	0.04
140	140	8833	3.4	0.04
140	160	7854	2.8	0.06
140	180	7892	2.9	0.05
140	200	8054	3.0	0.07
140	220	6394	2.0	0.05
140	240	6798	2.2	0.04
140	260	6358	2.0	0.04
140	280	6794	2.2	0.04
140	300	5130	1.3	0.04
160	0	3264	0.2	0.09
160	20	8342	3.1	0.05
160	40	5842	1.7	0.06
160	60	5432	1.5	0.06
160	80	5884	1.7	0.07
160	100	25080	12.8	0.14
160	120	10690	4.5	0.05
160	140	10688	4.5	0.13
160	160	8556	3.3	0.07
160	180	9038	3.5	0.06
160	200	8006	2.9	0.04
160	220	6980	2.3	0.03
160	240	6712	2.2	0.05
160	260	7156	2.4	0.03
160	280	7402	2.6	0.04
160	300	7916	2.9	0.05
180	0	20684	10.2	0.12
180	20	9732	3.9	0.09
180	40	6982	2.3	0.08
180	60	6102	1.8	0.06
180	80	6336	2.0	0.07
180	100	29546	15.3	0.20
180	120	15124	7.0	0.08
180	140	4836	1.1	0.06
180	160	12606	5.6	0.06
180	180	9844	4.0	0.06
180	200	9356	3.7	0.04
180	220	7350	2.6	0.03
180	240	6822	2.3	0.04
180	260	6816	2.2	0.06
180	280	6574	2.1	0.03
180	300	7372	2.6	0.05
200	0	18400	8.9	0.12

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
200	20	6916	2.3	0.09
200	40	6312	2.0	0.05
200	60	6402	2.0	0.06
200	80	5720	1.6	0.05
200	100	5516	1.5	0.05
200	120	30622	16.0	0.38
200	140	20092	9.9	0.14
200	160	7202	2.5	0.06
200	180	10642	4.5	0.07
200	200	9574	3.8	0.08
200	220	9120	3.6	0.03
200	240	8682	3.3	0.08
200	260	8546	3.2	0.05
200	280	6726	2.2	0.06
200	300	6590	2.1	0.03
200	320	8610	3.3	0.04
200	325	2770	0.1	0.04
218	332	2858	0.0	0.03
220	100	6486	2.1	0.07
220	120	7970	2.9	0.07
220	140	14962	6.9	0.12
220	160	14076	6.4	0.12
220	180	14498	6.7	0.14
220	200	10720	4.5	0.07
220	220	10002	4.1	0.07
220	240	9108	3.6	0.06
220	260	8408	3.2	0.05
220	280	7016	2.4	0.06
220	300	6632	2.1	0.04
220	320	7594	2.7	0.05
220	340	4640	1.0	0.03
236	340	3194	0.2	0.05
240	100	7226	2.5	0.08
240	120	7416	2.6	0.07
240	140	27152	14.0	0.08
240	160	12068	5.3	0.09
240	180	5892	1.7	0.06
240	200	13376	6.0	0.06
240	220	10466	4.4	0.06
240	240	9430	3.8	0.04
240	260	8518	3.2	0.05
240	280	7966	2.9	0.07
240	300	6562	2.1	0.04
240	320	6812	2.2	0.04
240	340	8974	3.5	0.04

Table 1

(Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
255	350	3266	0.2	0.03
260	100	10208	4.2	0.07
260	120	10044	4.1	0.11
260	140	6230	1.9	0.06
260	160	16840	8.0	0.07
260	180	12762	5.7	0.08
260	200	7010	2.4	0.08
260	220	11360	4.9	0.07
260	240	10564	4.4	0.10
260	260	9416	3.7	0.06
260	280	8710	3.3	0.08
260	300	7480	2.6	0.06
260	320	7100	2.4	0.07
260	340	7612	2.7	0.04
260	360	4818	1.1	0.05
273	357	3250	0.2	0.05
280	100	6460	2.0	0.08
280	120	20256	10.0	0.20
280	140	5604	1.5	0.08
280	180	11358	4.9	0.08
280	200	14464	6.7	0.09
280	220	13556	6.1	0.09
280	240	11244	4.8	0.09
280	260	9676	3.9	0.08
280	280	9240	3.6	0.08
280	300	7698	2.8	0.09
280	320	6786	2.2	0.05
280	340	7064	2.4	0.05
280	360	6290	1.9	0.05
292	365	3114	0.1	0.06
300	100	6284	1.9	0.07
300	120	7010	2.4	0.10
300	140	6472	2.1	0.09
300	160	5844	1.7	0.07
300	180	5556	1.5	0.04
300	200	9590	3.8	0.10
300	220	8494	3.2	0.06
300	240	11920	5.2	0.06
300	260	10382	4.3	0.06
300	280	9142	3.6	0.04
300	300	8272	3.1	0.07
300	320	6946	2.3	0.04
300	340	6882	2.3	0.03
300	360	7936	2.9	0.05
310	370	3504	0.3	0.04

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12'
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
320	140	7786	2.8	0.06
320	160	7710	2.8	0.05
320	180	5518	1.5	0.06
320	200	4306	0.8	0.04
320	220	12708	5.6	0.07
320	240	12928	5.8	0.20
320	260	10974	4.6	0.06
320	280	11174	4.8	0.06
320	300	9036	3.5	0.06
320	320	7986	2.9	0.06
320	340	6736	2.2	0.05
320	360	7448	2.6	0.03
320	380	5326	1.4	0.05
328	380	3446	0.3	0.04
340	140	6202	1.9	0.08
340	160	6480	2.1	0.07
340	180	7504	2.6	0.05
340	200	5434	1.5	0.05
340	220	10986	4.7	0.15
340	240	11574	5.0	0.34
340	260	5170	1.3	0.09
340	280	10618	4.4	0.08
340	300	8736	3.4	0.06
340	320	8436	3.2	0.07
340	340	6712	2.2	0.04
340	360	7054	2.4	0.05
340	380	8910	3.5	0.07
340	400	5744	1.6	0.05
347	387	3022	0.1	0.05
360	160	6984	2.3	0.07
360	180	5428	1.4	0.08
360	200	7282	2.5	0.06
360	220	13264	6.0	0.14
360	240	15236	7.1	0.09
360	260	6668	2.2	0.06
360	280	12236	5.4	0.12
360	300	8636	3.3	0.04
360	320	8552	3.2	0.07
360	340	8256	3.1	0.06
360	360	7364	2.6	0.04
360	380	7868	2.9	0.04
360	400	4676	1.0	0.03
365	393	3508	0.3	0.06
380	160	5846	1.7	0.07
380	180	5464	1.5	0.05

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12'

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
380	200	5464	1.5	0.05
380	240	28938	15.0	0.17
380	260	22374	11.2	0.14
380	280	21896	10.9	0.15
380	300	10862	4.6	0.06
380	320	8762	3.4	0.06
380	340	9592	3.8	0.06
380	360	10038	4.1	0.06
380	380	8242	3.1	0.08
380	400	8744	3.4	0.06
382	402	3114	0.1	0.06
400	160	7126	2.4	0.07
400	180	5566	1.5	0.07
400	200	5766	1.6	0.08
400	220	10142	4.2	0.21
400	240	5962	1.8	0.07
400	260	35620	18.9	0.11
400	280	8548	3.2	0.08
400	300	22356	11.2	0.12
400	320	11266	4.8	0.07
400	340	8876	3.4	0.07
400	360	7600	2.7	0.05
400	380	8048	3.0	0.04
400	400	9448	3.8	0.04
400	410	3094	0.1	0.03
400	500	6564	2.1	0.05
400	520	5874	1.7	0.05
400	540	5592	1.5	0.05
400	560	5630	1.6	0.04
400	580	5682	1.6	0.05
400	600	5892	1.7	0.04
418	418	3066	0.1	0.04
420	200	9286	3.7	0.09
420	220	7154	2.4	0.08
420	240	5704	1.6	0.08
420	260	58824	32.2	0.31
420	280	26382	13.5	0.21
420	300	7344	2.6	0.08
420	320	12548	5.6	0.08
420	340	10738	4.5	0.06
420	360	9634	3.9	0.05
420	380	8840	3.4	0.06
420	400	7606	2.7	0.10
420	420	6586	2.1	0.06
420	500	6824	2.3	0.04

Table 1
Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
420	520	6634	2.1	0.06
420	540	5790	1.7	0.07
420	560	5814	1.7	0.04
420	580	6118	1.8	0.05
420	600	5788	1.7	0.04
436	425	3146	0.1	0.03
440	200	6676	2.2	0.06
440	220	5252	1.3	0.04
440	240	6378	2.0	0.07
440	260	6730	2.3	0.05
440	280	55468	30.3	0.29
440	297	31154	16.3	0.00
440	300	31154	16.3	0.15
440	320	13062	5.8	0.19
440	340	11268	4.8	0.07
440	360	10670	4.5	0.07
440	380	8006	2.9	0.06
440	400	8170	3.0	0.08
440	420	10534	4.4	0.08
440	500	7006	2.4	0.03
440	520	6688	2.2	0.04
440	540	6432	2.0	0.01
440	560	5612	1.6	0.04
440	580	4462	0.9	0.02
440	600	5050	1.2	0.05
455	432	3574	0.4	0.04
460	200	6640	2.1	0.04
460	220	5672	1.6	0.05
460	240	7578	2.7	0.06
460	260	6936	2.3	0.06
460	280	6092	1.8	0.07
460	300	36946	19.6	0.16
460	320	15626	7.3	0.10
460	340	20800	10.3	0.13
460	360	11080	4.7	0.09
460	380	9140	3.6	0.05
460	400	9986	4.1	0.12
460	420	6746	2.2	0.06
460	440	6578	2.1	0.07
460	500	4956	1.2	0.04
460	520	7120	2.4	0.00
460	540	6548	2.1	0.03
460	560	5932	1.7	0.04
460	580	6332	2.0	0.03
460	600	6008	1.8	0.05

Table 1
Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
473	440	3840	0.5	0.05
480	200	6984	2.3	0.06
480	220	6028	1.8	0.06
480	240	5402	1.4	0.07
480	260	6894	2.3	0.05
480	280	7042	2.4	0.06
480	300	156888	88.7	0.34
480	320	39260	20.9	0.18
480	340	10942	4.6	0.15
480	360	13154	5.9	0.08
480	380	11358	4.9	0.08
480	400	8516	3.2	0.07
480	420	7810	2.8	0.07
480	440	11676	5.0	0.08
480	500	6114	1.8	0.05
480	520	5792	1.7	0.02
480	540	5730	1.6	0.06
480	560	5924	1.7	0.04
480	580	6254	1.9	0.04
480	600	5698	1.6	0.02
492	448	3316	0.2	0.04
500	200	7640	2.7	0.06
500	220	6178	1.9	0.07
500	240	6226	1.9	0.04
500	260	6302	2.0	0.07
500	280	6132	1.9	0.05
500	300	8572	3.3	0.06
500	320	137558	77.6	1.63
500	340	33770	17.8	0.23
500	360	40998	21.9	0.24
500	380	11690	5.1	0.06
500	400	10050	4.1	0.08
500	420	7186	2.5	0.12
500	440	9118	3.6	0.10
500	460	5330	1.4	0.06
500	520	8332	3.1	0.18
500	540	7694	2.8	0.04
500	560	6886	2.3	0.06
500	580	6156	1.9	0.06
500	600	5720	1.6	0.07
510	455	3998	0.6	0.05
520	300	6450	2.0	0.07
520	320	24114	12.2	0.12
520	340	182076	103.3	1.85
520	360	16534	7.8	0.55

Table 1
Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
520	380	22398	11.2	0.14
520	400	12894	5.8	0.08
520	420	11104	4.7	0.16
520	440	7726	2.8	0.12
520	460	5420	1.4	0.12
528	466	3172	0.1	0.04
540	300	8856	3.4	0.07
540	320	10048	4.1	0.08
540	340	270662	154.3	0.95
540	360	50670	27.5	0.21
540	380	14516	6.7	0.69
540	400	17600	8.5	0.14
540	420	11114	4.7	0.13
540	440	11226	4.8	0.11
540	460	19788	9.7	0.14
546	472	2614	0.2	0.03
560	300	6182	1.9	0.05
560	320	9058	3.5	0.07
560	340	15936	7.5	0.10
560	360	292388	166.8	1.37
560	380	21522	10.7	0.40
560	400	42990	23.1	0.20
560	420	15296	7.1	0.16
560	440	14558	6.7	0.19
560	460	10856	4.6	0.14
560	480	6638	2.1	0.11
565	480	2900	0.0	0.05
580	300	6032	1.8	0.07
580	320	8696	3.3	0.06
580	340	9034	3.5	0.07
580	360	23820	12.0	0.08
580	380	63026	34.6	0.28
580	400	29724	15.5	0.87
580	420	184118	104.4	0.16
580	440	14440	6.6	0.09
580	460	14454	6.7	0.10
580	480	17872	8.6	0.12
585	487	4660	1.0	0.03
600	300	5682	1.6	0.06
600	320	6634	2.1	0.07
600	340	7372	2.6	0.07
600	360	11620	5.0	0.07
600	380	159916	90.5	1.20
600	400	168024	95.2	0.62
600	420	21212	10.5	0.29

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12'

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
600	440	14726	6.8	0.18
600	460	16638	7.9	0.14
600	480	9728	3.9	0.14
600	500	6268	1.9	0.10
600	580	7724	2.8	0.04
600	600	6572	2.1	0.04
600	620	5966	1.8	0.04
600	640	5952	1.8	0.04
605	495	3798	0.5	0.06
612	547	4194	0.7	0.05
620	360	9538	3.8	0.22
620	380	27888	14.4	0.12
620	400	203322	115.5	4.18
620	420	48734	26.4	0.65
620	440	30736	16.0	0.20
620	460	18926	9.2	0.12
620	480	6886	2.3	0.08
620	500	6580	2.1	0.12
620	580	7776	2.8	0.05
620	600	5580	1.5	0.05
620	620	6368	2.0	0.03
620	640	6002	1.8	0.03
623	500	5634	1.6	0.04
630	555	4620	1.0	0.04
640	360	42844	23.0	0.11
640	380	19360	9.5	0.09
640	400	461532	264.3	2.20
640	420	265210	151.2	1.71
640	440	21176	10.5	0.31
640	460	15962	7.5	0.12
640	480	11100	4.7	0.09
640	500	17068	8.2	0.13
640	506	4618	1.0	0.04
640	580	5544	1.5	0.04
640	600	8780	3.4	0.02
640	620	6858	2.3	0.04
640	640	5884	1.7	0.03
650	560	4866	1.1	0.07
658	512	4624	1.0	0.06
660	360	17514	8.4	0.08
660	380	18752	9.1	0.11
660	400	8854	3.4	0.12
660	420	285820	163.1	3.59
660	440	1140978	655.9	0.24
660	460	23458	11.8	0.15

Table 1
Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
660	480	18448	9.0	0.11
660	500	9318	3.7	0.12
660	520	7702	2.8	0.14
660	580	6918	2.3	0.04
660	600	8424	3.2	0.04
660	620	6592	2.1	0.04
660	640	6042	1.8	0.04
670	565	3706	0.5	0.03
677	520	5624	1.6	0.06
680	360	10426	4.3	0.07
680	380	19794	9.7	0.16
680	400	10602	4.4	0.10
680	420	50808	27.6	0.00
680	440	204202	116.0	1.30
680	460	16584	7.9	0.10
680	465	13670	6.2	0.00
680	480	20878	10.4	0.09
680	500	8322	3.1	0.12
680	520	13196	5.9	0.16
680	540	7420	2.6	0.15
680	600	9082	3.6	0.04
680	620	7644	2.7	0.05
680	640	6636	2.1	0.03
688	570	3942	0.6	0.04
695	525	5220	1.3	0.05
700	360	8278	3.1	0.07
700	380	16356	7.7	0.26
700	400	8826	3.4	0.10
700	420	10948	4.6	0.00
700	440	395452	226.2	2.99
700	460	141064	79.6	0.56
700	480	24070	12.2	0.11
700	500	11708	5.1	0.10
700	520	11504	5.0	0.09
700	540	21842	10.9	0.18
700	600	9640	3.9	0.06
700	620	8816	3.4	0.05
700	640	7132	2.4	0.05
700	660	5914	1.7	0.05
700	680	6114	1.8	0.04
700	700	6322	2.0	0.04
700	720	6158	1.9	0.04
708	575	3510	0.3	0.04
715	530	5790	1.7	0.08
720	400	10300	4.3	0.11

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
720	420	9644	3.9	0.12
720	440	60530	33.2	0.19
720	460	206400	117.3	1.76
720	480	48154	26.1	0.20
720	500	13176	5.9	0.06
720	520	8498	3.2	0.07
720	540	25886	13.2	0.09
720	620	9094	3.6	0.06
720	640	6952	2.3	0.03
720	660	6428	2.0	0.06
720	680	6296	1.9	0.04
720	700	6504	2.1	0.05
720	720	6396	2.0	0.06
726	570	3642	0.4	0.04
735	535	4448	0.9	0.07
740	400	8878	3.4	0.10
740	420	10240	4.2	0.10
740	440	14398	6.6	0.13
740	460	66570	36.7	0.44
740	480	113350	63.7	0.64
740	500	30364	15.8	0.13
740	520	10782	4.5	0.07
740	540	7534	2.7	0.07
740	620	9502	3.8	0.04
740	640	6816	2.2	0.04
740	660	6772	2.2	0.03
740	680	6386	2.0	0.04
740	700	6548	2.1	0.06
740	720	6404	2.0	0.05
745	585	3642	0.4	0.04
755	540	4558	0.9	0.06
760	400	6964	2.3	0.08
760	420	9898	4.0	0.09
760	440	14744	6.8	0.10
760	460	35318	18.7	0.15
760	480	200522	113.9	0.77
760	500	28158	14.5	0.12
760	520	13190	5.9	0.14
760	540	18306	8.9	0.11
760	620	8616	3.3	0.07
760	640	7586	2.7	0.05
760	660	7098	2.4	0.03
760	680	6556	2.1	0.03
760	700	7044	2.4	0.05
760	720	5980	1.8	0.04

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
767	590	3474	0.3	0.05
775	545	6272	1.9	0.05
780	400	10458	4.3	0.14
780	420	15874	7.5	0.09
780	440	12402	5.5	0.12
780	460	22208	11.1	0.13
780	480	66802	36.8	0.16
780	500	27722	14.3	0.15
780	520	86232	48.0	0.35
780	540	10228	4.2	0.07
780	620	9790	4.0	0.06
780	640	9596	3.9	0.06
780	660	7132	2.4	0.04
780	680	6576	2.1	0.06
780	700	6424	2.0	0.05
780	720	6478	2.1	0.05
785	594	3932	0.6	0.04
795	550	6198	1.9	0.06
800	400	10094	4.1	0.11
800	420	21670	10.8	0.14
800	440	4498	0.9	0.07
800	460	11680	5.1	0.10
800	480	64046	35.2	0.27
800	500	68100	37.6	0.34
800	520	33664	17.7	0.16
800	540	20292	10.0	0.20
800	620	9478	3.8	0.06
800	640	8858	3.4	0.06
800	660	7224	2.5	0.05
800	680	6930	2.3	0.03
800	700	6824	2.3	0.06
800	720	6325	2.0	0.05
800	740	6148	1.9	0.04
805	598	3532	0.4	0.06
815	553	5708	1.6	0.06
820	460	22830	11.5	0.13
820	480	54060	29.5	0.28
820	500	162118	91.8	1.65
820	520	66824	36.8	7.60
820	540	39062	20.8	0.40
820	560	14470	6.7	0.11
820	620	8714	3.3	0.03
820	640	9188	3.6	0.05
820	660	7782	2.8	0.03
820	680	*6948	2.3	0.04

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
820	700	6810	2.2	0.04
820	720	6522	2.1	0.04
820	740	6116	1.8	0.06
824	602	3780	0.5	0.05
835	556	6286	1.9	0.06
840	460	16948	8.1	0.12
840	480	30628	16.0	0.19
840	500	140802	79.5	1.26
840	520	128756	72.5	0.51
840	540	64662	35.6	0.52
840	560	25560	13.1	0.14
840	620	6878	2.3	0.05
840	640	9600	3.9	0.06
840	660	8120	3.0	0.07
840	680	6906	2.3	0.03
840	700	6672	2.2	0.04
840	720	6728	2.2	0.05
840	740	5988	1.8	0.04
842	606	3740	0.5	0.04
855	558	6538	2.1	0.08
860	460	32970	17.3	0.22
860	480	22232	11.1	0.15
860	500	126318	71.1	0.49
860	520	337196	192.7	0.32
860	540	176422	100.0	1.55
860	560	32080	16.8	0.22
860	640	10058	4.1	0.04
860	660	8664	3.3	0.09
860	680	7302	2.5	0.03
860	700	6544	2.1	0.03
860	720	6298	1.9	0.03
860	740	5968	1.8	0.04
863	610	3540	0.4	0.05
875	560	8634	3.3	0.04
880	460	18360	8.9	0.11
880	480	29604	15.4	0.22
880	500	243082	138.4	0.46
880	520	440688	252.3	4.08
880	540	283034	161.5	1.86
880	560	48518	26.3	0.29
880	640	11774	5.1	0.05
880	660	9256	3.7	0.05
880	680	7232	2.5	0.03
880	700	6432	2.0	0.04
880	720	6592	2.1	0.04

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
880	740	5582	1.5	0.03
885	613	4236	0.8	0.04
895	562	9364	3.7	0.06
900	460	59138	32.4	0.16
900	480	33024	17.4	0.14
900	500	61506	33.8	0.23
900	520	637761	365.9	3.66
900	540	378710	216.6	2.75
900	560	35862	19.0	0.11
900	580	18890	9.2	0.00
900	640	10630	4.4	0.08
900	660	10248	4.2	0.07
900	680	6372	2.0	0.05
900	700	6594	2.1	0.06
900	720	6518	2.1	0.04
900	740	6640	2.1	0.03
905	615	3236	0.2	0.05
915	564	8780	3.4	0.06
920	500	59766	32.8	0.32
920	520	414256	237.1	9.01
920	540	219222	124.7	1.53
920	560	26166	13.4	0.15
920	580	14044	6.4	0.12
920	640	11496	4.9	0.07
920	660	10204	4.2	0.06
920	680	6744	2.2	0.04
925	616	3736	0.5	0.04
935	566	6460	2.0	0.05
940	500	181124	102.7	1.04
940	520	16676	7.9	0.65
940	540	214844	122.1	2.66
940	560	26308	13.5	0.15
940	580	12262	5.4	0.11
940	640	10378	4.3	0.07
940	660	9244	3.6	0.07
940	680	6350	2.0	0.05
945	617	3182	0.2	0.04
955	568	5850	1.7	0.04
960	500	361262	206.5	0.80
960	520	339472	194.0	0.79
960	540	130110	73.3	1.57
960	560	26606	13.7	0.12
960	580	13020	5.8	0.07
960	640	10142	4.2	0.06
960	660	8322	3.1	0.04

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
960	680	6722	2.2	0.05
965	618	3360	0.3	0.03
975	569	6468	2.0	0.07
980	500	107594	60.3	0.51
980	520	125568	70.7	0.37
980	540	85684	47.7	0.33
980	560	31978	16.8	0.22
980	580	12588	5.6	0.11
980	640	9904	4.0	0.05
980	660	7702	2.8	0.04
980	680	6750	2.2	0.03
985	619	3068	0.1	0.05
995	570	6032	1.8	0.06
1000	500	234454	133.5	0.27
1000	520	98694	55.2	0.23
1000	540	118754	66.8	0.69
1000	560	21552	10.7	0.16
1000	580	14102	6.4	0.12
1000	640	9994	4.1	0.07
1000	660	9994	4.1	0.08
1000	680	7250	2.5	0.07
1000	700	6682	2.2	0.06
1005	620	3634	0.4	0.05
1015	570	6630	2.1	0.04
1020	500	77908	43.2	0.30
1020	520	71184	39.3	0.30
1020	540	175202	99.3	0.61
1020	560	38696	20.6	0.30
1020	580	11620	5.0	0.06
1020	660	9698	3.9	0.06
1020	680	7208	2.5	0.03
1020	700	7130	2.4	0.07
1025	620	3706	0.5	0.06
1035	570	6678	2.2	0.06
1040	500	69830	38.6	0.34
1040	520	70066	38.7	0.21
1040	540	36182	19.2	3.21
1040	560	53246	29.0	0.24
1040	580	12694	5.6	0.07
1040	660	9962	4.1	0.05
1040	680	7334	2.5	0.03
1040	700	6724	2.2	0.05
1045	620	3224	0.2	0.06
1055	570	7634	2.7	0.06
1060	500	52722	28.7	0.56

Table 1

Calculated In-Situ Radium-226 pCi/s from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/s	HP-210 mRad/hr
1060	520	37702	20.1	0.19
1060	540	412216	235.9	2.74
1060	560	32862	17.3	0.13
1060	580	12652	5.6	0.08
1060	660	9060	3.5	0.06
1060	680	7532	2.7	0.07
1060	700	6202	1.9	0.04
1065	619	3480	0.3	0.04
1075	570	8570	3.3	0.06
1080	500	40916	21.9	0.17
1080	520	31742	16.6	0.15
1080	540	100756	56.4	0.32
1080	560	50612	27.5	0.20
1080	580	12792	5.7	0.09
1080	660	8724	3.3	0.08
1080	680	6370	2.0	0.03
1080	700	5114	1.3	0.03
1085	619	3584	0.4	0.07
1095	570	5618	1.6	0.05
1100	500	84236	46.9	0.19
1100	520	162320	91.9	0.52
1100	540	205802	116.9	1.29
1100	560	46368	25.0	0.14
1100	580	12678	5.6	0.09
1100	620	6966	2.3	0.06
1100	640	8750	3.4	0.06
1100	660	8004	2.9	0.06
1100	680	6916	2.3	0.04
1100	700	5518	1.5	0.06
1100	720	6608	2.1	0.05
1105	618	4014	0.6	0.04
1120	500	45220	24.4	0.26
1120	520	140790	79.5	0.53
1120	540	174860	99.1	0.44
1120	560	28470	14.7	0.14
1120	580	11798	5.1	0.07
1120	620	7212	2.5	0.06
1120	640	7554	2.7	0.04
1120	660	7654	2.7	0.05
1120	680	6748	2.2	0.04
1120	700	6164	1.9	0.05
1124	617	6740	2.2	0.07
1135	566	5920	1.7	0.07
1140	500	325928	186.2	2.53
1140	520	22584	11.3	0.68

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1140	540	39350	21.0	0.21
1140	560	30194	15.7	0.23
1140	580	11194	4.8	0.08
1140	620	7314	2.5	0.06
1140	640	9614	3.9	0.08
1140	660	7532	2.7	0.05
1140	680	7062	2.4	0.04
1140	700	6570	2.1	0.07
1144	616	6006	1.8	0.07
1155	564	4724	1.0	0.05
1160	500	79124	43.9	0.20
1160	520	29578	15.4	1.47
1160	540	27712	14.3	0.19
1160	560	30264	15.8	0.39
1160	580	12758	5.7	0.08
1160	620	7622	2.7	0.07
1160	640	8504	3.2	0.05
1160	660	6886	2.3	0.04
1160	680	6568	2.1	0.05
1160	700	5974	1.8	0.05
1163	614	5292	1.4	0.07
1175	562	5118	1.3	0.04
1180	500	378768	216.6	0.17
1180	520	40542	21.7	0.38
1180	540	18816	9.2	0.11
1180	560	109604	61.5	0.68
1180	580	8584	3.3	0.06
1180	620	7754	2.8	0.05
1180	640	8210	3.1	0.04
1180	660	6836	2.3	0.06
1180	680	6428	2.0	0.05
1180	700	6672	2.2	0.06
1183	612	3750	0.5	0.04
1195	560	8570	3.3	0.06
1200	460	91800	51.2	0.27
1200	480	38172	20.3	0.19
1200	500	24576	12.5	0.16
1200	520	135238	76.3	0.38
1200	540	13816	6.3	0.14
1200	560	37418	19.9	0.34
1200	580	8852	3.4	0.11
1200	620	9058	3.5	0.05
1200	640	7786	2.8	0.05
1200	660	6594	2.1	0.04
1200	680	6836	2.3	0.06

Table 1

Calculated In-Situ Radium-226 pCi/s from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/s	HP-210 mRad/hr
1200	700	6456	2.0	0.05
1200	720	5940	1.7	0.05
1203	610	4046	0.7	0.06
1215	557	5618	1.6	0.05
1220	460	6614	2.1	0.05
1220	480	15026	7.0	0.09
1220	500	11494	4.9	0.09
1220	520	21376	10.6	0.16
1220	540	10394	4.3	0.10
1220	620	10866	4.1	0.06
1220	640	7270	2.5	0.06
1220	660	7340	2.6	0.04
1220	680	7170	2.5	0.06
1220	700	6156	1.9	0.05
1222	607	4088	0.7	0.05
1235	553	6238	1.9	0.08
1240	460	11588	5.0	0.06
1240	480	7018	2.4	0.11
1240	500	10036	4.1	0.08
1240	520	15328	7.2	0.11
1240	540	10302	4.3	0.08
1240	620	9926	4.0	0.06
1240	640	7212	2.5	0.04
1240	660	7074	2.4	0.04
1240	680	6398	2.0	0.05
1240	700	5970	1.8	0.04
1241	603	4262	0.8	0.06
1255	550	5920	1.7	0.07
1260	460	20252	10.0	0.09
1260	480	17118	8.2	0.11
1260	500	10938	4.6	0.14
1260	520	11966	5.2	0.09
1260	540	51012	27.7	0.42
1260	600	7756	2.8	0.04
1260	620	9366	3.7	0.04
1260	640	7156	2.4	0.06
1260	660	7384	2.6	0.04
1260	680	6338	2.0	0.06
1260	700	4898	1.1	0.04
1260	720	6130	1.9	0.04
1275	546	4724	1.0	0.05
1280	460	8656	3.3	0.06
1280	480	9402	3.7	0.06
1280	500	11226	4.8	0.09
1280	520	15200	7.1	0.09

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1280	540	48486	26.3	0.32
1280	596	5698	1.6	0.05
1280	600	9306	3.7	0.05
1280	620	8010	2.9	0.06
1280	640	7300	2.5	0.06
1280	660	6452	2.0	0.04
1280	680	6118	1.8	0.06
1280	700	4894	1.1	0.03
1295	542	5118	1.3	0.04
1300	460	9246	3.6	0.06
1300	480	8708	3.3	0.05
1300	500	61598	33.8	0.42
1300	520	43236	23.2	0.12
1300	540	59756	32.8	0.20
1300	592	5440	1.5	0.06
1300	600	9710	3.9	0.06
1300	620	6594	2.1	0.04
1300	640	6194	1.9	0.06
1300	660	6336	2.0	0.05
1300	680	6060	1.8	0.05
1300	700	5480	1.5	0.05
1300	720	5908	1.7	0.05
1314	540	10376	4.3	0.09
1315	480	9754	3.9	0.00
1320	460	8160	3.0	0.28
1320	480	9510	3.8	0.05
1320	500	15090	7.0	0.11
1320	520	154028	87.1	0.41
1320	540	18744	9.1	0.10
1320	588	5014	1.2	0.07
1320	600	8560	3.3	0.04
1320	620	6350	2.0	0.04
1320	640	6674	2.2	0.05
1320	660	5810	1.7	0.04
1320	680	6038	1.8	0.04
1320	700	5836	1.7	0.04
1333	537	15744	7.4	0.11
1338	585	6726	2.2	0.04
1340	460	36476	19.3	0.26
1340	480	12928	5.8	0.08
1340	500	14964	6.9	0.10
1340	520	149368	84.4	0.38
1340	540	13664	6.2	0.06
1340	600	7912	2.9	0.05
1340	620	6226	1.9	0.04

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1340	640	6072	1.8	0.07
1340	660	5428	1.4	0.05
1340	680	5996	1.8	0.05
1340	700	5754	1.6	0.04
1340	720	5930	1.7	0.04
1352	533	9028	3.5	0.08
1358	582	6890	2.3	0.06
1360	460	24522	12.5	0.10
1360	480	7524	2.7	0.11
1360	500	14850	6.9	0.12
1360	520	121276	68.2	1.18
1360	540	13470	6.1	0.07
1360	600	8242	3.1	0.06
1360	620	6550	2.1	0.03
1360	640	5954	1.8	0.04
1360	660	5396	1.4	0.05
1360	680	4688	1.0	0.04
1360	700	5872	1.7	0.05
1365	475	10260	4.2	0.00
1371	529	8384	3.2	0.08
1378	578	7958	2.9	0.09
1380	460	25362	12.9	0.10
1380	480	15862	7.5	0.09
1380	500	14300	6.6	0.09
1380	520	126150	71.0	0.25
1380	540	9320	3.7	0.07
1380	580	14174	6.5	0.03
1380	600	9438	3.8	0.04
1380	620	13052	5.8	0.07
1380	640	6500	2.1	0.05
1380	660	5574	1.5	0.06
1380	680	4520	0.9	0.04
1380	700	5928	1.7	0.04
1390	525	7188	2.5	0.06
1398	574	4180	0.7	0.03
1400	400	226682	129.0	0.71
1400	420	81494	45.3	0.34
1400	440	32066	16.8	0.19
1400	460	65892	36.3	0.22
1400	480	43424	23.3	0.49
1400	500	26156	13.4	0.18
1400	520	60334	33.1	0.16
1400	580	7394	2.6	0.04
1400	600	20546	10.2	0.08
1400	620	104752	58.7	0.33

Table 1
Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact,
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1400	640	7174	2.5	0.05
1400	660	6326	2.0	0.00
1400	680	5372	1.4	0.04
1400	700	5598	1.5	0.05
1400	720	5732	1.6	0.04
1410	522	8910	3.5	0.06
1418	570	5440	1.5	0.06
1420	400	110880	62.2	0.51
1420	420	110284	61.9	0.52
1420	440	148254	83.8	0.38
1420	460	69910	38.6	0.36
1420	480	30608	16.0	0.17
1420	500	68970	38.1	0.26
1420	520	16334	7.7	0.20
1420	580	10402	4.3	0.04
1420	600	35432	18.7	0.11
1420	620	53322	29.1	0.23
1420	640	6948	2.3	0.05
1430	518	8102	3.0	0.07
1438	566	4884	1.1	0.05
1440	400	92684	51.7	0.89
1440	420	145390	82.1	0.64
1440	440	30940	16.2	0.17
1440	460	61828	34.0	0.29
1440	480	54342	29.6	0.04
1440	500	18514	9.0	0.14
1440	520	35380	18.7	0.27
1440	580	14266	6.5	0.06
1440	600	47734	25.8	0.22
1440	620	15188	7.1	0.04
1440	640	6786	2.2	0.04
1440	660	6150	1.9	0.00
1450	514	10088	4.1	0.07
1457	563	5514	1.5	0.04
1460	400	5676	1.6	0.04
1460	420	19280	9.4	0.59
1460	440	42058	22.6	0.18
1460	460	14428	6.6	0.11
1460	480	17930	8.7	0.14
1460	500	45306	24.4	0.20
1460	520	38962	20.8	0.28
1460	560	8086	3.0	0.07
1460	580	15112	7.0	0.07
1460	600	68374	37.7	0.27
1460	620	6830	2.3	0.06

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1460	640	6554	2.1	0.04
1470	510	12358	5.4	0.08
1475	560	2374	0.3	0.04
1480	400	36580	19.4	0.21
1480	420	29952	15.6	0.20
1480	440	45196	24.4	0.24
1480	460	29402	15.3	0.12
1480	480	19184	9.4	0.06
1480	500	78560	43.6	0.33
1480	520	22684	11.4	0.10
1480	560	12694	5.6	0.04
1480	570	14374	6.6	0.00
1480	580	10998	4.7	0.04
1480	600	83470	46.4	0.43
1480	620	6446	2.0	0.06
1480	640	6206	1.9	0.04
1490	505	5498	1.5	0.06
1495	555	13838	6.3	0.05
1500	380	7836	2.8	0.10
1500	400	16120	7.6	0.27
1500	420	39456	21.1	0.07
1500	440	16214	7.7	0.10
1500	460	25164	12.8	0.11
1500	480	7356	2.6	0.14
1500	500	21412	10.7	0.09
1500	520	22086	11.0	0.16
1500	560	22978	11.6	0.06
1500	580	10692	4.5	0.06
1500	600	62696	34.5	0.27
1500	620	8074	3.0	0.03
1500	640	5730	1.6	0.05
1510	502	2174	0.4	0.04
1517	552	5524	1.5	0.06
1520	380	7030	2.4	0.08
1520	400	14872	6.9	0.10
1520	420	15186	7.1	0.16
1520	440	8012	2.9	0.08
1520	460	16334	7.7	0.08
1520	480	13710	6.2	0.20
1520	560	24638	12.5	0.09
1520	580	11072	4.7	0.05
1520	600	66898	36.9	0.29
1520	620	7194	2.5	0.07
1520	640	5304	1.4	0.04
1529	499	2122	0.5	0.03

Table 1

Calculated In-Situ Radium-226 pCi/s from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/s	HP-210 mRad/hr
1535	550	10814	4.6	0.08
1540	380	4386	0.8	0.07
1540	400	13370	6.0	0.13
1540	420	88914	49.6	0.20
1540	440	8382	3.2	0.07
1540	460	16146	7.6	0.14
1540	480	7516	2.7	0.27
1540	560	18784	9.1	0.05
1540	580	15158	7.1	0.06
1540	600	32272	16.9	0.10
1540	620	6748	2.2	0.05
1540	640	3524	1.5	0.05
1548	497	6068	1.8	0.07
1556	545	10700	4.5	0.05
1560	380	4412	0.9	0.06
1560	400	10710	4.5	0.11
1560	420	6010	1.8	0.06
1560	440	7546	2.7	0.07
1560	460	13580	6.1	0.08
1560	480	6780	2.2	0.08
1560	560	10734	4.5	0.04
1560	580	21538	10.7	0.06
1560	600	16806	8.0	0.08
1560	620	6678	2.2	0.04
1560	640	5286	1.4	0.04
1567	492	6634	2.1	0.06
1576	542	11446	4.9	0.07
1580	340	3868	0.5	0.06
1580	360	5876	1.7	0.08
1580	380	5356	1.4	0.08
1580	400	9906	4.0	0.12
1580	420	9666	3.9	0.06
1580	440	7352	2.6	0.08
1580	460	19150	9.4	0.08
1580	480	20484	10.1	0.10
1580	540	15920	7.5	0.08
1580	560	9386	3.7	0.04
1580	580	7510	2.6	0.20
1580	600	12606	5.6	0.08
1580	620	6356	2.0	0.05
1580	640	5226	1.3	0.04
1588	488	6294	1.9	0.05
1595	538	16206	7.7	0.06
1600	340	3596	0.4	0.09
1600	360	7206	2.5	0.11

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact,

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1600	380	13046	5.8	0.11
1600	400	38786	20.7	0.17
1600	420	8170	3.0	0.07
1600	440	8162	3.0	0.06
1600	460	14620	6.7	0.12
1600	480	15074	7.0	0.06
1600	540	20324	10.0	0.08
1600	560	9226	3.6	0.04
1600	580	17602	8.5	0.43
1600	600	7912	2.9	0.04
1600	620	6600	2.1	0.03
1600	640	5940	1.7	0.03
1608	483	6886	2.3	0.06
1615	535	23362	11.8	0.15
1620	340	2756	0.1	0.06
1620	360	9180	3.6	0.07
1620	380	7954	2.9	0.07
1620	400	20806	10.3	0.13
1620	420	7820	2.8	0.07
1620	440	13962	6.4	0.15
1620	460	14592	6.7	0.15
1620	480	12036	5.3	0.07
1620	540	22028	11.0	0.07
1620	560	9346	3.7	0.05
1620	580	87004	48.5	0.35
1620	600	6356	2.0	0.04
1620	620	7128	2.4	0.06
1620	640	5826	1.7	0.05
1628	480	6074	1.8	0.06
1635	530	19582	9.6	0.09
1640	340	2680	0.1	0.04
1640	360	9484	3.8	0.09
1640	380	7046	2.4	0.07
1640	400	24440	12.4	0.19
1640	420	6794	2.2	0.09
1640	440	16762	8.0	0.20
1640	460	13394	6.0	0.09
1640	480	9110	3.6	0.05
1640	540	20018	9.9	0.06
1640	560	9716	3.9	0.08
1640	580	74180	41.1	0.25
1640	600	6114	1.8	0.03
1640	620	6042	1.8	0.04
1640	640	5802	1.7	0.03
1648	478	7478	2.6	0.05

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1655	527	20290	10.0	0.12
1660	340	3184	0.2	0.08
1660	360	7332	2.5	0.10
1660	380	8116	3.0	0.61
1660	400	9440	3.8	0.07
1660	420	6418	2.0	0.07
1660	440	12738	5.7	0.08
1660	460	14778	6.8	0.09
1660	520	13930	6.3	0.08
1660	540	2562	0.2	0.13
1660	560	25440	13.0	0.10
1660	580	55974	30.6	0.17
1660	600	5640	1.6	0.05
1660	620	5934	1.7	0.03
1660	640	5916	1.7	0.05
1668	473	7668	2.7	0.04
1675	523	37332	19.8	0.20
1680	340	3732	0.5	0.06
1680	360	5838	1.7	0.06
1680	380	7244	2.5	0.09
1680	400	11144	4.7	0.09
1680	420	6938	2.3	0.07
1680	440	16260	7.7	0.13
1680	460	16934	8.1	0.09
1680	520	30938	16.2	0.11
1680	528	37278	19.8	0.00
1680	540	12000	5.2	0.07
1680	560	39148	20.9	0.12
1680	580	11080	4.7	0.05
1680	600	5760	1.6	0.03
1685	470	5784	1.7	0.06
1692	520	18894	9.2	0.11
1700	340	5074	1.2	0.15
1700	360	6444	2.0	0.07
1700	380	9680	3.9	0.09
1700	400	9242	3.6	0.10
1700	420	41560	22.3	0.25
1700	440	14888	6.9	0.10
1700	460	9277	3.7	0.07
1700	500	5132	1.3	0.05
1700	520	27066	13.9	0.08
1700	540	11038	4.7	0.03
1700	560	83800	46.6	0.28
1700	580	7508	2.6	0.03
1700	600	5432	1.5	0.04

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1705	467	4868	1.1	0.06
1712	518	8990	3.5	0.11
1720	340	4188	0.7	0.12
1720	360	7126	2.4	0.08
1720	380	6736	2.2	0.08
1720	400	6600	2.1	0.05
1720	420	21754	10.9	0.37
1720	440	12730	5.7	0.12
1720	460	8482	3.2	0.07
1720	500	7716	2.8	0.06
1720	520	50290	27.3	0.16
1720	540	12456	5.5	0.06
1720	560	59882	32.8	0.32
1720	580	7136	2.4	0.03
1720	600	5220	1.3	0.04
1725	463	4202	0.7	0.05
1732	514	17886	8.6	0.11
1740	340	3474	0.3	0.07
1740	360	9028	3.5	0.06
1740	380	6550	2.1	0.05
1740	400	7132	2.4	0.07
1740	420	9720	3.9	0.14
1740	440	12512	5.5	0.10
1740	500	10100	4.1	0.06
1740	520	22138	11.1	0.10
1740	540	25356	12.9	0.06
1740	560	34130	18.0	0.23
1740	580	6806	2.2	0.04
1740	600	5362	1.4	0.04
1745	460	4834	1.1	0.03
1750	510	17426	8.4	0.08
1760	340	3478	0.3	0.09
1760	360	6522	2.1	0.14
1760	380	6880	2.3	0.06
1760	400	16696	7.9	0.21
1760	420	12362	5.4	0.06
1760	440	13564	6.1	0.08
1760	500	12858	5.7	0.06
1760	520	16280	7.7	0.09
1760	540	59476	32.6	0.08
1760	560	64218	35.3	0.43
1760	580	6870	2.3	0.04
1760	600	5180	1.3	0.05
1765	456	7424	2.6	0.08
1770	505	18734	9.1	0.13

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1780	340	5114	1.3	0.13
1780	360	13168	5.9	0.00
1780	380	10460	4.3	0.09
1780	400	11048	4.7	0.23
1780	420	11480	4.9	0.09
1780	440	17616	8.5	0.09
1780	520	16282	7.7	0.04
1780	540	68984	38.1	0.16
1780	560	46504	25.1	0.32
1780	580	6844	2.3	0.04
1780	600	5146	1.3	0.05
1785	453	4770	1.1	0.05
1790	502	21746	10.9	0.19
1800	340	14816	6.9	0.29
1800	360	6216	1.9	0.07
1800	380	6304	2.0	0.06
1800	400	9584	3.8	0.08
1800	420	11862	5.2	0.19
1800	440	12940	5.8	0.07
1800	500	35806	19.0	0.08
1800	520	12386	5.5	0.09
1800	540	78382	43.5	0.30
1800	560	14240	6.5	0.05
1800	580	6546	2.1	0.04
1800	600	5562	1.5	0.04
1805	450	6548	2.1	0.08
1808	498	20370	10.1	0.09
1820	320	18344	8.9	0.47
1820	340	4538	0.9	0.08
1820	360	9292	3.7	0.10
1820	380	7614	2.7	0.05
1820	400	8896	3.4	0.07
1820	420	4332	0.8	0.06
1820	440	13460	6.1	0.04
1820	500	38968	20.8	0.06
1820	520	10926	4.6	0.08
1820	540	72396	40.0	0.32
1820	560	14042	6.4	0.06
1820	580	6392	2.0	0.06
1820	600	5672	1.6	0.04
1824	446	8088	3.0	0.06
1830	494	38610	20.6	0.18
1840	320	30898	16.1	0.80
1840	340	7248	2.5	0.08
1840	360	13676	6.2	0.08

Table 1
Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1840	380	17642	8.5	0.12
1840	400	30908	16.1	0.26
1840	420	11118	4.7	0.07
1840	440	6792	2.2	0.05
1840	500	30122	15.7	0.13
1840	520	20038	9.9	0.13
1840	540	79240	44.0	0.33
1840	560	7768	2.8	0.06
1840	580	6362	2.0	0.05
1840	600	5608	1.6	0.06
1843	442	8556	3.3	0.06
1850	490	29738	15.5	0.09
1860	320	40568	21.7	0.57
1860	340	7180	2.5	0.28
1860	360	33076	17.4	0.54
1860	380	43742	23.5	0.28
1860	400	11024	4.7	0.11
1860	420	11624	5.0	0.07
1860	480	15176	7.1	0.22
1860	500	15546	7.3	0.09
1860	520	33884	17.8	0.11
1860	540	85422	47.6	0.35
1860	560	7218	2.5	0.07
1860	580	6016	1.8	0.04
1860	600	5672	1.6	0.03
1862	438	8034	3.0	0.09
1872	486	20700	10.3	0.11
1880	320	11618	5.0	0.18
1880	340	18332	8.9	0.54
1880	360	25056	12.8	0.51
1880	400	13786	6.3	0.16
1880	420	10848	4.6	0.10
1880	480	46598	25.2	0.14
1880	490	28780	14.9	0.00
1880	500	16204	7.7	0.08
1880	520	45818	24.7	0.27
1880	540	64934	35.7	0.29
1880	560	7088	2.4	0.07
1880	580	6004	1.8	0.05
1880	600	5504	1.5	0.05
1881	434	6652	2.2	0.06
1892	483	25420	13.0	0.12
1900	320	12696	5.6	0.33
1900	340	14588	6.7	0.46
1900	360	48034	26.0	0.24

Table 1

Calculated In-Situ Radium-226 pCi/s from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/s	HP-210 mRad/hr
1900	380	50578	27.5	0.68
1900	400	12520	5.5	0.08
1900	420	9122	3.6	0.04
1900	430	3430	0.3	0.05
1900	480	53806	29.3	0.12
1900	500	12232	5.4	0.07
1900	520	60434	33.2	0.24
1900	540	27034	13.9	0.09
1900	560	6628	2.1	0.08
1900	580	5808	1.7	0.06
1900	600	5666	1.6	0.05
1908	480	31250	16.3	0.14
1920	320	4030	0.6	0.06
1920	340	20428	10.1	0.15
1920	360	48340	26.2	0.50
1920	400	10760	4.5	0.09
1920	420	8952	3.5	0.05
1920	428	3234	0.2	0.05
1920	480	23802	12.0	0.08
1920	485	58266	31.9	0.00
1920	500	10808	4.5	0.06
1920	520	54716	29.9	0.17
1920	540	22720	11.4	0.08
1920	560	5894	1.7	0.06
1920	580	5766	1.6	0.04
1920	600	5700	1.6	0.04
1927	475	9540	3.8	0.06
1940	320	3838	0.5	0.09
1940	340	21514	10.7	0.13
1940	360	51024	27.7	0.64
1940	380	65962	36.3	0.32
1940	400	15120	7.0	0.06
1940	420	5332	1.4	0.06
1940	426	3656	0.4	0.05
1940	480	38218	20.3	0.11
1940	500	9134	3.6	0.08
1940	520	46008	24.8	0.22
1940	540	9744	3.9	0.06
1940	560	6200	1.9	0.05
1940	580	5746	1.6	0.04
1940	600	5652	1.6	0.06
1945	472	5432	1.5	0.06
1960	320	19194	9.4	0.76
1960	340	19216	9.4	0.12
1960	360	47506	25.7	0.79

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"
And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.
SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
1960	380	61136	33.6	0.33
1960	400	12270	5.4	0.10
1960	424	4870	1.1	0.06
1960	480	24370	12.4	0.09
1960	500	13066	5.9	0.08
1960	520	38248	20.4	0.15
1960	540	7480	2.6	0.06
1960	560	5620	1.6	0.06
1960	580	5514	1.5	0.04
1960	600	5528	1.5	0.04
1965	470	12356	5.4	0.08
1980	320	6424	2.0	0.09
1980	340	38364	20.4	0.33
1980	360	62216	34.2	0.78
1980	380	53566	29.2	0.41
1980	400	5764	1.6	0.05
1980	422	8066	3.0	0.07
1980	480	23948	12.1	0.09
1980	500	12248	5.4	0.10
1980	520	14838	6.9	0.08
1980	540	6536	2.1	0.05
1980	560	7442	2.6	0.05
1980	580	5446	1.5	0.04
1980	600	5410	1.4	0.04
1985	467	8304	3.1	0.05
2000	300	6590	2.1	0.05
2000	320	23510	11.9	0.33
2000	340	20536	10.2	0.37
2000	360	60528	33.2	0.72
2000	380	13304	6.0	0.09
2000	400	13548	6.1	0.09
2000	420	6620	2.1	0.05
2000	460	8050	3.0	0.07
2000	480	13940	6.4	0.07
2000	500	16000	7.5	0.07
2000	520	8732	3.4	0.06
2000	540	5928	1.7	0.05
2000	560	5406	1.4	0.04
2000	580	4430	0.9	0.05
2000	600	5356	1.4	0.05
2002	465	10332	4.3	0.04
2019	418	3034	0.1	0.05
2020	300	23630	11.9	0.06
2020	320	25198	12.8	0.10
2020	340	35000	18.5	0.20

Table 1

Calculated In-Situ Radium-226 pCi/s from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/s	HP-210 mRad/hr
2020	360	112850	63.4	0.81
2020	380	9906	4.0	0.07
2020	400	9918	4.0	0.08
2020	460	10424	4.3	0.05
2020	480	10854	4.6	0.05
2020	500	13888	6.3	0.09
2020	520	6630	2.1	0.05
2020	540	5726	1.6	0.04
2020	560	5572	1.5	0.06
2020	580	5346	1.4	0.05
2020	600	5538	1.5	0.06
2021	463	9522	3.8	0.06
2038	416	2934	0.0	0.04
2040	300	5000	1.2	0.04
2040	320	16996	8.1	0.15
2040	340	17556	8.4	0.13
2040	360	94492	52.8	0.64
2040	380	9078	3.6	0.07
2040	400	9476	3.8	0.07
2040	460	13768	6.3	0.06
2040	462	11066	4.7	0.06
2040	465	40028	21.4	0.00
2040	480	9810	4.0	0.08
2040	500	9994	4.1	0.08
2040	520	6210	1.9	0.06
2040	540	5466	1.5	0.06
2040	560	5416	1.4	0.05
2040	580	5436	1.5	0.04
2040	600	5340	1.4	0.06
2057	414	3206	0.2	0.05
2060	300	4698	1.0	0.03
2060	320	14708	6.8	0.10
2060	340	9398	3.7	0.08
2060	360	175098	99.2	0.55
2060	380	8638	3.3	0.07
2060	400	7838	2.8	0.05
2060	460	35350	18.7	0.12
2060	461	13006	5.8	0.05
2060	480	13796	6.3	0.12
2060	500	7668	2.7	0.06
2060	520	5896	1.7	0.04
2060	540	5260	1.4	0.05
2060	560	5298	1.4	0.03
2060	580	5340	1.4	0.04
2060	600	5496	1.5	0.04

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12"

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
2076	412	3328	0.2	0.06
2080	300	5620	1.6	0.05
2080	320	10734	4.5	0.13
2080	340	9812	4.0	0.06
2080	360	40680	21.8	0.51
2080	380	8344	3.1	0.07
2080	400	7184	2.5	0.05
2080	460	21354	10.6	0.07
2080	480	19788	9.7	0.06
2080	500	9434	3.8	0.07
2080	520	6138	1.9	0.05
2080	540	5426	1.4	0.08
2080	560	5354	1.4	0.04
2080	580	5534	1.5	0.03
2080	600	5482	1.5	0.05
2100	300	3806	0.5	0.04
2100	320	4710	1.0	0.04
2100	340	21128	10.5	0.14
2100	360	17506	8.4	0.54
2100	380	7858	2.8	0.05
2100	400	6054	1.8	0.04
2100	460	6578	2.1	0.04
2100	480	11838	5.1	0.04
2100	500	9090	3.6	0.05
2100	520	6150	1.9	0.05
2100	540	5342	1.4	0.03
2100	560	5328	1.4	0.03
2100	580	5180	1.3	0.04
2100	600	5070	1.2	0.03
2105	410	3356	0.3	0.04
2120	300	7160	2.4	0.04
2120	320	34994	18.5	0.09
2120	340	26370	13.5	0.12
2120	360	26546	13.6	0.15
2120	380	7672	2.7	0.05
2120	400	5226	1.3	0.05
2120	460	45182	24.4	0.10
2120	480	12372	5.5	0.05
2120	500	7638	2.7	0.04
2120	520	7308	2.5	0.06
2120	540	5718	1.6	0.06
2120	560	5016	1.2	0.04
2120	580	5136	1.3	0.05
2120	600	5328	1.4	0.04
2135	410	3008	0.1	0.04

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12'

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
2140	300	11966	5.2	0.07
2140	320	17118	8.2	0.06
2140	340	125880	70.9	0.18
2140	360	12074	5.3	0.07
2140	380	7894	2.9	0.06
2140	400	7280	2.5	0.05
2140	460	66278	36.5	0.08
2140	480	15310	7.1	0.16
2140	500	6902	2.0	0.03
2140	520	5342	1.4	0.04
2140	540	4944	1.2	0.04
2140	560	5344	1.4	0.05
2140	580	5136	1.3	0.05
2140	600	4886	1.1	0.04
2155	410	2962	0.0	0.06
2160	300	5732	1.6	0.06
2160	320	9606	3.9	0.09
2160	340	14750	6.8	0.08
2160	360	8266	3.1	0.06
2160	380	7808	2.8	0.06
2160	400	6800	2.2	0.05
2160	460	11048	4.7	0.06
2160	465	18868	9.2	0.00
2160	480	12294	5.4	0.11
2160	500	5992	1.8	0.03
2160	520	5476	1.5	0.05
2160	540	4996	1.2	0.05
2160	560	5040	1.2	0.05
2160	580	4856	1.1	0.04
2160	600	3646	0.4	0.05
2175	410	3004	0.1	0.06
2180	300	8496	3.2	0.11
2180	320	11960	5.2	0.11
2180	340	9446	3.8	0.09
2180	360	10468	4.4	0.07
2180	380	7248	2.5	0.05
2180	400	5048	1.2	0.04
2180	440	9710	3.9	0.04
2180	460	14880	6.9	0.05
2180	480	5998	1.8	0.04
2180	500	5704	1.6	0.05
2180	520	5014	1.2	0.04
2180	540	3562	0.4	0.03
2180	560	3550	0.4	0.04
2180	580	2506	0.2	0.03

Table 1

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12'

And Calculated mrad/hr from HP-210 Beta/Gamma Measurements at Contact.

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	SPA-3(12") CPM	SPA-3(12") pCi/g	HP-210 mRad/hr
2180	600	3094	0.1	0.04
2200	300	9086	3.6	0.06
2200	320	9156	3.6	0.05
2200	340	6762	2.2	0.04
2200	360	5540	1.5	0.05
2200	380	5540	1.5	0.06
2200	400	5058	1.2	0.04
2200	420	5904	1.7	0.04
2200	440	5162	1.3	0.04
2200	460	5968	1.8	0.04
2200	480	2106	0.5	0.02
2200	500	2554	0.2	0.02
2200	520	1908	0.6	0.03
2200	540	3156	0.1	0.04
2200	560	5222	1.3	0.05
2200	580	5458	1.5	0.05
2200	600	5144	1.3	0.05

Table 2
Surface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates ft SiteX(R)	SiteY(S)		HpGe Scan (Wet) Radium-226 pCi/g +/- 2Sigma		Thorium-232 pCi/g +/- 2Sigma	
- 500	15		2.2 +/-	0.3	1.4 +/-	0.7
- 440	25		1.7 +/-	0.3		
- 400	0		1.7 +/-	0.4	1.6 +/-	0.7
- 400	40		1.1 +/-	0.3	2.0 +/-	0.4
- 400	80		2.2 +/-	0.4	1.3 +/-	0.5
- 400	160		1.0 +/-	0.9		
- 400	200		1.4 +/-	0.3	1.2 +/-	0.7
- 360	0		1.8 +/-	0.3		
- 360	40		1.5 +/-	0.4	1.3 +/-	0.4
- 360	80		2.3 +/-	0.3	1.3 +/-	0.4
- 360	180		2.5 +/-	0.4		
- 320	20		2.5 +/-	0.3	1.3 +/-	0.5
- 320	60		1.8 +/-	0.3		
- 320	100		1.3 +/-	0.2		
- 320	180		1.4 +/-	0.4	2.5 +/-	0.7
- 320	200		2.3 +/-	0.4	1.9 +/-	0.4
- 280	0		1.8 +/-	0.3	1.6 +/-	0.3
- 280	40		2.4 +/-	0.3	1.6 +/-	0.6
- 280	80		1.0 +/-	0.3		
- 240	0		2.3 +/-	0.3	0.7 +/-	0.4
- 240	40		1.1 +/-	0.3	2.3 +/-	0.4
- 240	80		1.0 +/-	0.2	1.3 +/-	0.3
- 240	120		1.5 +/-	0.3	1.0 +/-	0.4
- 200	0		1.6 +/-	0.3		
- 200	40		0.8 +/-	0.2	1.3 +/-	0.4
- 200	80		1.3 +/-	0.2	1.5 +/-	0.4
- 200	120		1.6 +/-	0.2	1.3 +/-	0.4
- 160	0		2.5 +/-	0.4	1.2 +/-	0.3
- 160	20		9.9 +/-	0.6		
- 160	40		1.4 +/-	0.3	0.8 +/-	0.3
- 160	80				1.4 +/-	0.4
- 160	120		1.5 +/-	0.3	1.0 +/-	0.4
- 120	60		0.9 +/-	0.2	1.3 +/-	0.4
- 120	100		1.2 +/-	0.2	1.4 +/-	0.3
- 120	140		1.9 +/-	0.3	1.2 +/-	0.3
- 80	20		21.8 +/-	0.9		
- 80	60		0.9 +/-	0.3	1.6 +/-	0.5
- 80	100		1.0 +/-	0.2	1.3 +/-	0.3
- 60	0		3.2 +/-	0.5	2.4 +/-	0.6
- 60	80		1.7 +/-	0.3	2.0 +/-	0.4
- 47	60		0.6 +/-	0.2	1.5 +/-	0.4
- 40	20		1.9 +/-	0.3	1.0 +/-	0.5
- 40	100		1.0 +/-	0.2	0.8 +/-	0.9
- 20	0		4.7 +/-	0.4	1.4 +/-	0.7
0	20		21.6 +/-	0.9		

Table 2
Surface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates			HpGe Scan (Wet)			
			Radium-226		Thorium-232	
SiteX(R)	SiteY(S)		pCi/g +/- 2Sigma		pCi/g +/- 2Sigma	
0	60		0.9 +/-	0.3		
0	100		1.1 +/-	0.3	1.4 +/-	0.4
0	320		1.5 +/-	0.3	1.6 +/-	0.4
20	0		25.8 +/-	1.2		
40	20		5.9 +/-	0.6		
40	60		6.5 +/-	0.5	1.1 +/-	0.3
40	100		1.0 +/-	0.2	1.4 +/-	0.4
40	330		1.9 +/-	0.4	1.8 +/-	0.7
40	380		1.1 +/-	0.2	2.3 +/-	0.6
40	420		0.9 +/-	0.4	1.2 +/-	0.4
80	20		12.0 +/-	0.8		
80	60		2.6 +/-	0.3	1.9 +/-	0.4
80	100		1.1 +/-	0.2	1.2 +/-	0.5
80	360		1.6 +/-	0.2	1.2 +/-	0.4
80	440		0.8 +/-	0.3	1.1 +/-	0.3
120	20		17.2 +/-	1.1		
120	40		2.1 +/-	0.5		
120	120		3.5 +/-	0.4		
120	160		1.2 +/-	0.3	1.4 +/-	0.4
120	200		1.1 +/-	0.2	0.8 +/-	0.5
120	240		1.4 +/-	0.2	1.7 +/-	0.4
120	280		1.1 +/-	0.4	1.6 +/-	0.4
160	60		0.6 +/-	0.2	1.4 +/-	0.4
160	100		6.9 +/-	0.6		
160	145		2.8 +/-	0.4		
160	180		1.1 +/-	0.2	1.1 +/-	0.3
160	220		1.1 +/-	0.2	1.3 +/-	0.3
160	260		1.2 +/-	0.2		
160	300		1.7 +/-	0.4	1.4 +/-	0.5
200	100		1.2 +/-	0.3		
200	140		6.2 +/-	0.5		
200	180		2.0 +/-	0.3	1.6 +/-	0.3
200	220		1.5 +/-	0.3		
200	260		1.5 +/-	0.3	1.1 +/-	0.3
200	300		2.0 +/-	0.3		
200	320		2.9 +/-	0.3		
240	140		1.2 +/-	0.3	1.6 +/-	0.4
240	170		3.9 +/-	0.4	1.1 +/-	0.4
240	220		1.7 +/-	0.3	1.7 +/-	0.5
240	260		2.0 +/-	0.3		
240	300		1.2 +/-	0.3	1.0 +/-	0.3
240	340		3.1 +/-	0.3	1.9 +/-	0.5
280	160		0.8 +/-	0.2	1.7 +/-	0.4
280	200		3.2 +/-	0.6		
280	240		1.7 +/-	0.3		

Table 2
Surface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates ft SiteX(R)	SiteY(S)		HpGe Scan (Wet) Radium-226 pCi/g +/- 2Sigma		Thorium-232 pCi/g +/- 2Sigma	
280	280		1.9 +/-	0.3	1.1 +/-	0.3
280	320		3.4 +/-	0.4	1.0 +/-	0.3
320	220		2.9 +/-	0.4		
320	260		4.9 +/-	0.4	1.4 +/-	0.8
320	300		2.2 +/-	0.4	2.0 +/-	0.6
320	340		2.2 +/-	0.3		
360	240		4.5 +/-	0.4	1.1 +/-	0.4
360	280		1.8 +/-	0.4	1.7 +/-	0.4
360	320		2.0 +/-	0.3	2.6 +/-	0.5
360	360		2.9 +/-	0.4		
400	240		1.2 +/-	0.3	2.2 +/-	0.5
400	273		10.6 +/-	0.7		
400	320		1.9 +/-	0.3	1.0 +/-	0.5
400	360		1.3 +/-	0.4	1.0 +/-	0.4
400	400		1.8 +/-	0.4	1.5 +/-	0.6
420	500		2.0 +/-	0.4	2.4 +/-	0.4
420	540		1.6 +/-	0.3	2.4 +/-	0.4
420	580		1.2 +/-	0.3		
440	260		0.9 +/-	0.3	1.9 +/-	0.5
440	297		11.4 +/-	0.7		
440	340		3.0 +/-	0.4	1.4 +/-	0.4
440	380		2.9 +/-	0.3	1.6 +/-	0.6
440	420		5.1 +/-	0.5	1.2 +/-	0.4
460	520		1.5 +/-	0.3	1.7 +/-	0.5
460	560		1.4 +/-	0.3	1.4 +/-	0.6
480	320		7.3 +/-	0.5		
480	360		3.9 +/-	0.5	1.4 +/-	0.4
480	400		2.1 +/-	0.3	1.8 +/-	0.3
480	440		5.0 +/-	0.4		
500	520		2.8 +/-	0.4		
500	560		1.5 +/-	0.3	3.0 +/-	0.6
520	340		26.9 +/-	1.0		
520	380		4.6 +/-	0.4		
520	420		5.4 +/-	0.4		
560	360		77.0 +/-	1.8		
560	402		5.8 +/-	0.5		
560	440		2.8 +/-	0.3		
560	477		1.4 +/-	0.2	1.5 +/-	0.3
600	380		1.7 +/-	0.2		
600	425		12.2 +/-	0.7		
600	460		4.8 +/-	0.5	0.9 +/-	0.6
600	491		1.5 +/-	0.2		
600	620		1.1 +/-	0.2		
640	380		7.8 +/-	0.7	3.1 +/-	0.7
640	420		88.1 +/-	2.3		

Table 2
Surface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates			HpGe Scan (Wet)	
			Radium-226	Thorium-232
SiteX(R)	SiteY(S)		pCi/g +/- 2Sigma	pCi/g +/- 2Sigma
640	460		2.7 +/- 0.3	
640	470		1.3 +/- 0.3	1.1 +/- 0.6
640	500		5.7 +/- 0.5	
640	620		0.7 +/- 0.2	
680	420		25.0 +/- 1.0	
680	465		6.9 +/- 0.6	
680	500		3.2 +/- 0.4	1.8 +/- 0.5
680	524		0.9 +/- 0.2	
680	620		1.3 +/- 0.5	1.6 +/- 0.5
720	460		79.0 +/- 1.8	
720	500		14.7 +/- 0.8	
720	535		4.2 +/- 0.5	
720	620		3.0 +/- 0.3	1.8 +/- 0.6
720	660		1.1 +/- 0.3	
720	700		1.7 +/- 0.3	
740	520		4.1 +/- 0.4	1.5 +/- 0.5
760	480		111.0 +/- 2.6	
760	500		8.9 +/- 0.6	
760	540		2.7 +/- 0.3	
760	620		2.5 +/- 0.3	2.5 +/- 0.5
760	660		1.7 +/- 0.3	
760	700		1.7 +/- 0.4	
800	460		9.4 +/- 0.7	1.3 +/- 0.4
800	500		27.7 +/- 1.0	
800	540		2.9 +/- 0.4	
800	620		2.9 +/- 0.4	
800	660		1.3 +/- 0.3	1.5 +/- 0.3
800	700		1.5 +/- 0.2	1.6 +/- 0.3
800	740		1.7 +/- 0.3	2.4 +/- 0.5
840	480		3.1 +/- 0.4	1.3 +/- 0.5
840	520		42.9 +/- 1.3	
840	560		1.3 +/- 0.2	1.6 +/- 0.3
840	660		1.7 +/- 0.3	
840	700		1.7 +/- 0.7	2.2 +/- 0.4
880	500		15.4 +/- 0.7	
880	540		72.1 +/- 1.6	
880	640		5.1 +/- 0.5	2.9 +/- 0.5
880	680		1.7 +/- 0.3	
880	720		3.1 +/- 0.3	1.9 +/- 0.5
900	560		34.2 +/- 1.1	
920	540		108.0 +/- 1.9	
920	640		4.4 +/- 0.4	
920	680		1.9 +/- 0.3	1.4 +/- 0.3
940	560		19.6 +/- 0.8	
960	540		15.4 +/- 0.8	

Table 2
Surface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)		HpGe Scan (Wet) Radium-226 pCi/g +/- 2Sigma	Thorium-232 pCi/g +/- 2Sigma
960	568		1.2 +/- 0.3	
960	640		2.6 +/- 0.4	
960	680		1.7 +/- 0.3	1.7 +/- 0.4
980	560		26.6 +/- 1.1	
1000	540		45.3 +/- 1.3	
1000	574		0.8 +/- 0.2	
1000	660		2.3 +/- 0.4	1.6 +/- 0.5
1000	700		1.4 +/- 0.3	1.8 +/- 0.4
1040	540		255.0 +/- 3.2	
1040	660		2.1 +/- 0.4	1.2 +/- 0.3
1060	700		1.2 +/- 0.2	2.3 +/- 0.5
1080	540		35.7 +/- 1.3	
1080	570		0.9 +/- 0.2	0.9 +/- 0.3
1080	660		1.7 +/- 0.3	6.0 +/- 0.7
1080	700		1.2 +/- 0.3	0.7 +/- 0.3
1100	540		182.6 +/- 2.7	
1120	560		8.0 +/- 0.7	2.7 +/- 0.8
1120	660		1.5 +/- 0.3	1.4 +/- 0.6
1120	700		1.1 +/- 0.3	2.2 +/- 0.5
1160	520		107.0 +/- 1.9	
1160	540		66.5 +/- 1.6	
1160	560		6.3 +/- 0.5	
1160	660		1.9 +/- 0.3	1.3 +/- 0.4
1160	700		1.2 +/- 0.3	1.7 +/- 0.5
1200	538		27.2 +/- 1.0	
1200	558		1.1 +/- 0.3	0.8 +/- 0.3
1200	620		1.8 +/- 0.3	1.7 +/- 3.4
1200	640		2.2 +/- 0.3	1.8 +/- 0.3
1200	650		1.1 +/- 0.3	1.5 +/- 0.5
1200	680		1.0 +/- 0.3	1.6 +/- 0.4
1200	720		1.1 +/- 0.3	
1240	500		1.0 +/- 0.3	
1240	540		49.7 +/- 1.3	
1240	620		3.5 +/- 0.4	
1240	660		1.9 +/- 0.3	1.6 +/- 0.5
1240	700		1.2 +/- 0.2	1.0 +/- 0.5
1280	500		3.7 +/- 0.5	2.1 +/- 0.7
1280	540		18.8 +/- 0.8	
1280	620		1.8 +/- 0.3	
1280	660		1.1 +/- 0.3	3.1 +/- 0.6
1280	700		1.1 +/- 0.3	
1295	542		1.6 +/- 0.2	
1315	480		0.8 +/- 0.2	1.5 +/- 0.5
1320	520		108.0 +/- 1.9	
1320	600		2.7 +/- 0.4	2.4 +/- 0.5

Table 2
Surface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates			HpGe Scan (Wet)	
			Radium-226	Thorium-232
SiteX(R)	SiteY(S)		pCi/g +/- 2Sigma	pCi/g +/- 2Sigma
1320	640		1.4 +/- 0.3	1.2 +/- 0.4
1320	680		1.1 +/- 0.4	1.7 +/- 0.4
1333	537		2.1 +/- 0.3	
1360	517		109.1 +/- 1.9	
1360	600		2.4 +/- 0.3	1.3 +/- 0.3
1360	640		1.7 +/- 0.3	1.7 +/- 0.4
1360	680		0.9 +/- 0.3	2.6 +/- 0.5
1365	475		1.2 +/- 0.2	1.6 +/- 0.5
1400	460		7.6 +/- 0.6	
1400	500		11.1 +/- 0.7	
1400	520		5.4 +/- 0.7	
1400	585		3.0 +/- 0.5	1.8 +/- 0.5
1400	620		36.0 +/- 1.1	
1400	660		1.0 +/- 0.2	2.2 +/- 0.6
1410	522		15.9 +/- 0.9	
1438	566		1.3 +/- 0.3	
1440	460		10.5 +/- 0.8	
1440	500		1.5 +/- 0.4	1.7 +/- 0.5
1440	580		3.3 +/- 0.4	1.6 +/- 0.6
1440	620		12.7 +/- 0.8	
1440	660		0.8 +/- 0.2	1.8 +/- 0.4
1480	460		6.8 +/- 0.5	2.2 +/- 0.5
1480	500		59.4 +/- 1.4	
1480	600		64.1 +/- 1.5	
1480	640		1.0 +/- 0.2	1.8 +/- 0.5
1520	460		5.8 +/- 0.5	2.2 +/- 0.5
1520	560		13.9 +/- 0.9	
1520	600		35.5 +/- 1.1	
1520	640		0.7 +/- 0.2	1.9 +/- 0.4
1548	497		1.9 +/- 0.3	
1556	545		1.3 +/- 0.3	
1560	440		3.1 +/- 0.5	2.5 +/- 0.5
1560	443		6.6 +/- 0.5	2.6 +/- 0.5
1560	480		10.2 +/- 0.7	
1560	560		5.7 +/- 0.5	
1560	600		10.5 +/- 0.7	
1560	640		1.2 +/- 0.3	1.2 +/- 0.6
1600	420		2.5 +/- 0.3	0.9 +/- 0.6
1600	460		8.2 +/- 0.6	2.1 +/- 0.5
1600	550		12.6 +/- 0.7	
1600	580		62.2 +/- 1.5	
1600	620		1.3 +/- 0.3	
1615	535		3.2 +/- 0.4	
1640	440		4.1 +/- 0.4	2.0 +/- 0.5
1640	560		3.2 +/- 0.4	

Table 2
Surface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates			HpGe Scan (Wet)			
			Radium-226		Thorium-232	
SiteX(R)	SiteY(S)		pCi/g +/- 2Sigma		pCi/g +/- 2Sigma	
1640	600		1.4 +/-	0.3		
1660	478		0.7 +/-	0.2		
1675	523		2.7 +/-	0.3		
1680	420		5.6 +/-	0.5		
1680	460		6.9 +/-	0.5		
1680	560		28.9 +/-	1.1		
1680	578		12.4 +/-	0.8		
1680	600		1.0 +/-	0.3	1.1 +/-	0.6
1712	518		0.7 +/-	0.3		
1720	400		2.8 +/-	0.4		
1720	440		3.8 +/-	0.4		
1720	520		30.7 +/-	1.2		
1720	540		4.0 +/-	0.4		
1720	580				2.3 +/-	0.7
1745	460		1.4 +/-	0.3	0.9 +/-	0.3
1750	510		0.7 +/-	0.3		
1760	403		3.6 +/-	0.5	0.8 +/-	0.4
1760	440		4.7 +/-	0.4		
1760	520		26.9 +/-	0.9		
1760	560		5.3 +/-	0.6	1.9 +/-	1.7
1760	600		1.4 +/-	0.3	1.8 +/-	0.5
1772	390					
1780	420		4.0 +/-	0.5		
1790	502		13.7 +/-	0.7		
1800	400		2.4 +/-	0.3	1.7 +/-	0.4
1800	420		3.6 +/-	0.4	1.8 +/-	0.5
1800	508		14.3 +/-	0.8		
1800	540		11.0 +/-	0.6		
1800	580		1.4 +/-	0.3		
1830	494		0.9 +/-	0.2		
1840	380		1.5 +/-	0.3	1.6 +/-	0.4
1840	420		3.5 +/-	0.4		
1840	500		9.8 +/-	0.8		
1840	540		49.0 +/-	1.3		
1840	580		1.6 +/-	0.3		
1872	486		15.7 +/-	0.9		
1880	360		1.7 +/-	0.3		
1880	400		6.6 +/-	0.6		
1880	490		13.2 +/-	0.8		
1880	520		18.2 +/-	0.8		
1880	560		1.0 +/-	0.4	2.4 +/-	0.5
1880	600		1.0 +/-	0.3		
1900	430		3.4 +/-	0.4		
1908	480		6.4 +/-	0.7		
1908	480		12.2 +/-	1.0		

Table 2
Surface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates #			HpGe Scan (Wet)	
			Radium-226	Thorium-232
SiteX(R)	SiteY(S)		pCi/g +/- 2Sigma	pCi/g +/- 2Sigma
1910	420		3.4 +/- 0.4	
1920	400		4.8 +/- 0.4	
1920	405		12.3 +/- 0.1	2.2 +/- 0.6
1920	485		22.8 +/- 1.0	
1920	520		39.0 +/- 1.2	
1920	560		1.2 +/- 0.3	1.9 +/- 0.4
1940	360		4.6 +/- 0.4	2.1 +/- 0.7
1945	472		1.7 +/- 0.2	
1960	400		4.2 +/- 0.4	1.0 +/- 0.3
1960	500		4.3 +/- 0.4	
1960	540		1.1 +/- 0.3	1.9 +/- 0.5
1960	580		2.0 +/- 0.3	1.4 +/- 0.6
1985	467		2.5 +/- 0.3	
2000	360		1.0 +/- 0.6	1.6 +/- 1.1
2000	400		4.8 +/- 0.4	
2000	480		6.3 +/- 0.5	
2000	520		3.2 +/- 0.5	
2000	560		1.4 +/- 0.3	2.2 +/- 0.5
2040	380		1.1 +/- 0.2	1.6 +/- 0.4
2040	465		5.8 +/- 0.6	
2040	500		3.9 +/- 0.4	
2040	540		1.6 +/- 0.3	2.1 +/- 0.5
2057	414		1.5 +/- 0.3	
2060	300		28.0 +/- 1.1	
2060	400		2.5 +/- 0.4	1.1 +/- 0.4
2060	480		5.7 +/- 0.6	2.0 +/- 0.5
2060	520		1.6 +/- 0.3	1.7 +/- 0.5
2100	340		5.7 +/- 0.5	2.3 +/- 0.5
2100	380		1.8 +/- 0.3	5.2 +/- 0.7
2100	465		8.0 +/- 0.6	
2100	500		2.4 +/- 0.4	1.0 +/- 0.5
2100	540		1.4 +/- 0.3	1.8 +/- 0.4
2100	580		1.4 +/- 0.3	
2140	380		1.9 +/- 0.3	1.4 +/- 0.4
2140	460		1.8 +/- 0.4	
2140	480		11.5 +/- 0.9	
2140	520		1.3 +/- 0.3	2.0 +/- 0.6
2140	560		1.7 +/- 0.3	1.4 +/- 0.5
2160	360		5.3 +/- 0.5	
2160	400		3.3 +/- 0.4	1.2 +/- 0.4
2160	460		19.0 +/- 1.0	
2160	465		4.7 +/- 0.6	
2160	500		1.6 +/- 0.3	1.4 +/- 0.4
2160	540		1.5 +/- 0.2	1.4 +/- 0.4
2200	380		1.8 +/- 0.3	

Table 2
Surface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates			HpGe Scan (Wet)	
			Radium-226	Thorium-232
SiteX(R)	SiteY(S)		pCi/g +/- 2Sigma	pCi/g +/- 2Sigma
2200	420		1.5 +/- 0.3	1.8 +/- 0.9
2200	460		2.9 +/- 0.3	
2200	520		1.8 +/- 0.3	
2200	560		4.1 +/- 0.5	

Table 3
Subsurface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates		Depth	HpGe Scan (Wet)			
			Radium-226		Thorium-232	
SiteX(R)	SiteY(S)	FT.	pCi/g +/- 2Sigma		pCi/g +/- 2Sigma	
20	0	0.7	18.2 +/-	1.0		
20	0	1.0	4.0 +/-	0.5	1.5 +/-	0.4
20	0	1.3	2.3 +/-	0.3	2.1 +/-	0.6
20	0	1.7	1.1 +/-	0.4	2.2 +/-	0.6
20	0	2.0	1.4 +/-	0.4	1.6 +/-	0.7
120	20	0.7	2.8 +/-	0.4		
120	20	1.0	0.7 +/-	0.4		
120	20	1.3	1.3 +/-	0.3	2.2 +/-	0.7
640	380	1.0	5.4 +/-	0.5	2.6 +/-	0.6
640	380	1.5	15.0 +/-	1.4		
640	380	2.0	50.8 +/-	1.7		
640	380	2.5	8.4 +/-	0.7	2.5 +/-	0.6
640	380	3.0	2.4 +/-	0.5	1.7 +/-	0.6
640	380	3.5	3.5 +/-	0.8	1.8 +/-	0.5
640	380	4.0	1.4 +/-	0.5	2.2 +/-	0.4
800	460	1.0	18.0 +/-	0.9		
800	460	1.5	5.4 +/-	0.6	1.5 +/-	0.5
800	460	2.0	11.0 +/-	0.7		
800	460	2.5	4.3 +/-	0.6	2.7 +/-	0.4
800	460	3.0	1.6 +/-	0.5	1.7 +/-	1.0
800	460	3.5	1.5 +/-	0.5	2.6 +/-	0.6
800	460	4.0	1.6 +/-	0.4	2.8 +/-	0.7
880	540	0.7	18.8 +/-	1.0		
880	540	1.0	8.4 +/-	0.6	1.2 +/-	0.8
880	540	1.3	6.0 +/-	0.4		
880	540	1.6	1.0 +/-	0.0		
1200	650	0.7	1.2 +/-	0.3	2.0 +/-	0.6
1200	650	1.0	2.0 +/-	0.3	2.4 +/-	0.4
1200	650	1.3	1.9 +/-	0.3	2.7 +/-	0.6
1200	650	1.7	1.3 +/-	0.4	1.9 +/-	0.4
1200	650	2.0	1.3 +/-	0.4	1.5 +/-	0.4
1240	540	0.7	2.2 +/-	0.4		
1240	540	1.0	0.5 +/-	0.3		
1240	540	1.3	1.1 +/-	0.3	2.0 +/-	0.6
1240	540	1.7	1.4 +/-	0.4	1.8 +/-	0.4
1240	540	2.0	1.1 +/-	0.2	1.7 +/-	0.5
1240	540	2.3	1.2 +/-	0.3	1.9 +/-	0.4
1310	515	2.0	1.5 +/-	0.5		
1310	515	2.3	2.6 +/-	0.3	1.5 +/-	0.4
1310	515	2.7	4.3 +/-	0.6	2.0 +/-	1.1
1310	515	3.0	4.1 +/-	0.4	1.3 +/-	1.2
1310	515	3.3	1.7 +/-	0.6	3.1 +/-	0.8
1310	515	3.7	1.1 +/-	0.3	2.9 +/-	0.5
1310	515	4.0	0.9 +/-	0.3	1.5 +/-	0.4
1310	515	4.3	1.0 +/-	0.3	2.0 +/-	0.5

Table 3
Subsurface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates # SiteX(R)	SiteY(S)	Depth FT.	HpGe Scan (Wet) Radium-226 pCi/g +/- 2Sigma	Thorium-232 pCi/g +/- 2Sigma
1310	515	4.7	1.4 +/- 0.2	2.5 +/- 0.5
1310	515	5.0	1.8 +/- 0.3	1.7 +/- 0.5
1310	515	5.4	1.1 +/- 0.4	1.2 +/- 0.5
1400	520	0.5	48.0 +/- 1.7	
1400	520	1.0	85.2 +/- 2.1	
1400	520	1.5	1.7 +/- 0.5	1.8 +/- 0.6
1400	520	2.0	2.2 +/- 0.3	2.2 +/- 0.6
1400	520	2.5	2.3 +/- 0.5	2.8 +/- 0.6
1430	530	2.0	1.3 +/- 0.4	1.2 +/- 0.4
1430	530	2.3	1.1 +/- 0.4	0.8 +/- 0.4
1430	530	2.7	1.2 +/- 0.3	0.9 +/- 0.5
1430	530	3.0	2.2 +/- 0.4	1.4 +/- 0.5
1430	530	3.3	1.1 +/- 0.4	1.8 +/- 0.5
1430	530	3.7	1.8 +/- 0.3	1.4 +/- 0.4
1480	500	0.7	59.0 +/- 1.6	
1480	500	1.0	5.8 +/- 0.5	1.2 +/- 0.7
1480	500	1.3	1.4 +/- 0.3	1.5 +/- 0.4
1480	500	1.7	1.1 +/- 0.3	1.9 +/- 3.6
1480	500	2.0	0.8 +/- 0.4	1.6 +/- 0.4
1520	600	0.7	6.2 +/- 0.6	1.8 +/- 1.1
1520	600	1.0	1.9 +/- 0.4	2.2 +/- 0.5
1520	600	1.3	1.0 +/- 0.3	1.8 +/- 0.5
1520	600	1.7	1.2 +/- 0.4	2.8 +/- 0.5
1548	497	0.7	1.3 +/- 0.5	1.3 +/- 0.6
1548	497	1.0	57.6 +/- 1.8	
1548	497	1.3	6.9 +/- 0.6	
1548	497	1.7	3.0 +/- 0.6	1.8 +/- 0.6
1548	497	2.0	2.3 +/- 0.4	1.6 +/- 0.6
1548	497	2.3	1.8 +/- 0.3	1.0 +/- 0.5
1560	440	1.0	2.0 +/- 0.4	1.4 +/- 0.4
1560	440	1.5	3.4 +/- 0.5	1.1 +/- 0.4
1560	440	2.0	25.2 +/- 1.0	
1560	440	2.5	5.8 +/- 0.6	
1560	440	3.0	1.7 +/- 0.3	1.9 +/- 0.4
1560	440	3.5	1.5 +/- 0.4	1.1 +/- 0.4
1560	440	4.0	1.3 +/- 0.4	1.5 +/- 0.6
1570	505	1.7	1.6 +/- 0.8	
1570	505	2.0	2.0 +/- 0.5	1.4 +/- 0.5
1570	505	2.3	3.2 +/- 0.5	3.0 +/- 0.7
1570	505	2.7	1.7 +/- 0.3	1.3 +/- 0.4
1570	505	3.0	4.2 +/- 0.4	1.9 +/- 0.5
1570	505	3.3	6.6 +/- 0.5	
1570	505	3.7	10.7 +/- 0.8	
1570	505	4.0	1.8 +/- 0.4	1.5 +/- 0.8
1570	505	4.3	1.8 +/- 0.3	2.0 +/- 0.4

Table 3
Subsurface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates		Depth	HpGe Scan (Wet)			
			Radium-226		Thorium-232	
SiteX(R)	SiteY(S)	FT.	pCi/g +/- 2Sigma		pCi/g +/- 2Sigma	
1570	505	4.7	0.7 +/-	0.5	1.4 +/-	0.5
1570	505	5.0	1.7 +/-	0.3	1.6 +/-	0.6
1570	505	5.3	1.9 +/-	0.4	2.1 +/-	0.5
1570	505	5.8	1.4 +/-	0.4		
1600	420	1.0	2.8 +/-	0.3	2.7 +/-	0.4
1600	420	1.5	8.1 +/-	0.6	1.8 +/-	0.7
1600	420	2.0	39.7 +/-	1.5		
1600	420	2.5	1.9 +/-	0.4		
1600	420	3.0	1.3 +/-	0.3		
1600	420	3.5	1.7 +/-	0.4	2.2 +/-	0.4
1600	420	4.0	3.7 +/-	0.5	2.6 +/-	0.5
1640	520	2.0	0.9 +/-	0.3	0.9 +/-	0.4
1640	520	2.3	0.9 +/-	0.3	0.9 +/-	0.3
1640	520	2.5	1.2 +/-	0.6	0.9 +/-	0.4
1640	520	3.0	1.1 +/-	0.4	1.4 +/-	1.0
1640	520	3.3	2.3 +/-	0.4	1.3 +/-	0.4
1640	520	3.7	2.0 +/-	0.3	1.8 +/-	0.6
1640	520	4.0	1.4 +/-	0.3	2.0 +/-	0.5
1640	520	4.3	1.8 +/-	0.3	1.4 +/-	0.5
1640	520	4.7	2.3 +/-	0.3	1.0 +/-	0.3
1640	520	5.0	1.7 +/-	0.3	1.4 +/-	0.4
1640	520	5.2	2.5 +/-	0.5		
1648	478	0.7	56.9 +/-	1.7		
1648	478	1.0	1.2 +/-	0.5	1.9 +/-	0.4
1648	478	1.3	2.9 +/-	0.3	1.4 +/-	0.4
1670	490	2.0	1.9 +/-	0.4	1.8 +/-	0.7
1670	490	2.3	1.5 +/-	0.4	2.0 +/-	0.1
1670	490	2.7	4.1 +/-	0.4	2.1 +/-	0.4
1670	490	3.0	1.5 +/-	0.3	0.9 +/-	0.6
1670	490	3.3	3.7 +/-	0.8	2.2 +/-	0.6
1670	490	3.7	1.7 +/-	0.4	1.7 +/-	0.5
1670	490	4.0	1.8 +/-	0.3	1.6 +/-	0.5
1670	490	4.3	3.5 +/-	0.5	2.4 +/-	0.5
1670	490	4.7	35.0 +/-	1.4		
1670	490	5.0	3.7 +/-	0.4	1.9 +/-	0.6
1670	490	5.3	1.5 +/-	0.4	1.9 +/-	0.5
1670	490	5.8	1.6 +/-	0.4	1.5 +/-	0.7
1750	510	0.7	62.8 +/-	1.6		
1750	510	1.0	2.6 +/-	0.3	2.0 +/-	0.5
1750	510	1.3	1.1 +/-	0.3	1.8 +/-	0.5
1750	510	1.7	1.2 +/-	0.3	1.1 +/-	0.4
1750	510	2.0	1.1 +/-	0.3	1.8 +/-	0.4
1750	510	2.3	1.1 +/-	0.4	2.3 +/-	0.5
1820	480	2.0	2.2 +/-	0.5		
1820	480	2.3	1.7 +/-	0.3	1.3 +/-	0.7

Table 3
Subsurface Soil Gamma Analysis

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Depth FT.	HpGe Scan (Wet) Radium-226 pCi/g +/- 2Sigma	Thorium-232 pCi/g +/- 2Sigma
1820	480	2.7	1.6 +/- 0.3	2.1 +/- 0.5
1820	480	3.0	2.7 +/- 0.4	1.2 +/- 0.6
1820	480	3.3	2.2 +/- 0.4	2.5 +/- 0.4
1820	480	3.7	1.7 +/- 0.4	1.5 +/- 0.5
1820	480	4.0	2.0 +/- 0.4	1.7 +/- 0.5
1820	480	4.3	1.1 +/- 0.3	2.1 +/- 0.4
1820	480	4.7	1.6 +/- 0.3	3.4 +/- 0.8
1820	480	5.0	2.0 +/- 0.3	2.9 +/- 0.6
1820	480	5.3	3.3 +/- 0.7	
1820	480	5.5	1.0 +/- 0.5	1.8 +/- 0.5
1880	360	0.7	2.0 +/- 0.4	
1880	360	1.0	5.3 +/- 0.7	1.8 +/- 1.2
1880	360	1.3	9.9 +/- 0.8	1.1 +/- 0.6
1880	360	1.7	11.9 +/- 0.8	
1880	360	2.0	10.3 +/- 0.7	2.1 +/- 0.8
1880	360	2.3	10.2 +/- 0.8	
1880	360	2.7	2.5 +/- 0.8	
1880	360	3.0	31.0 +/- 1.2	
1880	360	3.3	11.5 +/- 0.8	3.0 +/- 0.5
1880	360	3.7	2.8 +/- 0.4	2.4 +/- 0.5
1880	360	4.0	7.6 +/- 0.6	
1908	480	0.7	42.1 +/- 1.4	
1908	480	1.0	2.5 +/- 0.4	1.8 +/- 0.7
1908	480	1.3	1.9 +/- 0.4	2.2 +/- 0.5
1908	480	1.7	1.9 +/- 0.4	2.2 +/- 0.5
1908	480	2.0	1.8 +/- 0.3	2.1 +/- 0.6
1908	480	2.3	2.4 +/- 0.3	2.3 +/- 0.4
1920	485	0.5	3.8 +/- 0.5	2.4 +/- 0.5
1920	485	1.0	1.4 +/- 0.4	2.0 +/- 0.6
1920	485	1.5	2.6 +/- 0.4	
1920	485	2.0	1.3 +/- 0.3	0.9 +/- 0.3
1930	470	2.0	0.9 +/- 0.3	
1930	470	2.3	1.6 +/- 0.5	2.0 +/- 0.5
1930	470	2.7	1.1 +/- 0.3	1.3 +/- 0.5
1930	470	3.0	2.2 +/- 0.4	1.6 +/- 0.5
1930	470	3.3	1.6 +/- 0.4	1.2 +/- 0.4
1930	470	3.7	0.7 +/- 0.4	1.1 +/- 0.4
1930	470	4.0	2.0 +/- 0.3	1.5 +/- 0.7
1930	470	4.3	1.1 +/- 0.3	
1930	470	4.7	1.0 +/- 0.4	
1930	470	5.0	1.1 +/- 0.3	1.6 +/- 0.6
1930	470	5.3	1.0 +/- 0.3	1.8 +/- 0.5
1930	470	5.6	1.2 +/- 0.4	

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
- 400	0	11110	0.0
- 400	0	13566	0.5
- 400	0	15078	1.0
- 400	0	15504	1.5
- 400	0	15642	2.0
- 400	0	15900	2.5
- 400	0	15688	3.0
- 400	0	16018	3.5
- 400	0	15710	4.0
- 400	40	11800	0.0
- 400	40	17948	0.5
- 400	40	30078	1.0
- 400	40	45766	1.5
- 400	40	24164	2.0
- 400	40	18162	2.5
- 400	40	16726	3.0
- 400	40	16840	3.5
- 400	40	16336	4.2
- 400	160	11780	0.0
- 400	160	13930	0.5
- 400	160	14376	1.0
- 400	160	14716	1.5
- 400	160	15138	2.0
- 400	160	15118	4.0
- 360	0	13446	0.0
- 360	0	14160	0.5
- 360	0	14462	1.0
- 360	0	15034	1.5
- 360	0	15272	2.0
- 360	0	15352	2.5
- 360	0	15988	3.0
- 360	0	15824	3.5
- 360	0	15870	4.2
- 360	40	11888	0.0
- 360	40	14498	0.5
- 360	40	16160	1.0
- 360	40	15904	1.5
- 360	40	15590	2.0
- 360	40	15714	2.5
- 360	40	16184	3.0
- 360	40	17346	3.5
- 360	80	11216	0.0
- 360	80	12852	0.5
- 360	80	14130	1.0
- 360	80	14676	1.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates		Borehole #	Depth
SiteX(R)	SiteY(S)	Probe (CPM)	(FT.)
- 360	80	15204	2.0
- 360	80	14514	4.2
- 360	180	10856	0.0
- 360	180	11196	0.5
- 360	180	12432	1.0
- 360	180	15142	1.5
- 360	180	16174	2.0
- 360	180	16402	4.3
- 320	20	10964	0.0
- 320	20	11838	0.5
- 320	20	14172	1.0
- 320	20	15354	1.5
- 320	20	16068	2.0
- 320	20	15804	4.2
- 320	60	8922	0.0
- 320	60	10140	0.5
- 320	60	14350	1.0
- 320	60	15154	1.5
- 320	60	15218	2.0
- 320	60	15436	2.5
- 320	60	15212	3.0
- 320	60	15098	3.5
- 320	60	14922	4.0
- 320	60	15090	4.3
- 280	0	12200	0.0
- 280	0	12740	0.5
- 280	0	13840	1.0
- 280	0	14434	1.5
- 280	0	14682	2.0
- 280	0	15238	4.0
- 280	40	12278	0.0
- 280	40	10056	0.5
- 280	40	13846	1.0
- 280	40	14600	1.5
- 280	40	15166	2.0
- 280	40	15060	2.5
- 280	40	15082	3.0
- 280	40	15076	3.5
- 280	40	15502	4.0
- 280	80	13826	0.0
- 280	80	15532	0.5
- 280	80	15682	1.0
- 280	80	15524	1.5
- 280	80	15454	2.0
- 280	80	14142	3.7

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
- 280	400	12278	0.0
- 280	400	10056	0.5
- 280	400	13846	1.0
- 280	400	14600	1.5
- 280	400	15166	2.0
- 280	400	15060	2.5
- 280	400	15082	3.0
- 280	400	15076	3.5
- 280	400	15502	4.0
- 240	0	12280	0.0
- 240	0	13516	0.5
- 240	0	13806	1.0
- 240	0	14414	1.5
- 240	0	15270	2.0
- 240	0	15168	2.5
- 240	0	14898	3.0
- 240	0	15402	3.5
- 240	0	15470	3.8
- 240	40	11874	0.0
- 240	40	14460	0.5
- 240	40	14834	1.0
- 240	40	14752	1.5
- 240	40	14920	2.0
- 240	40	15180	2.5
- 240	40	15120	3.0
- 240	40	15494	3.5
- 240	40	15900	4.0
- 240	40	15820	4.3
- 240	80	10900	0.0
- 240	80	13504	0.5
- 240	80	14710	1.0
- 240	80	15134	1.5
- 240	80	14678	2.0
- 240	80	13416	4.0
- 200	0	13450	0.0
- 200	0	13648	0.5
- 200	0	14720	1.0
- 200	0	14186	1.5
- 200	0	14698	2.0
- 200	0	14632	2.5
- 200	0	15062	3.0
- 200	0	15018	3.5
- 200	0	14776	4.0
- 200	40	9666	0.0
- 200	40	12496	0.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAFSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
- 200	40	13696	1.0
- 200	40	14094	1.5
- 200	40	14892	2.0
- 200	40	15488	2.5
- 200	40	15176	3.0
- 200	40	16434	3.5
- 200	40	15894	4.0
- 200	80	10090	0.0
- 200	80	11676	0.5
- 200	80	13438	1.0
- 200	80	14290	1.5
- 200	80	14470	2.0
- 200	80	14306	2.5
- 200	80	14386	3.0
- 200	80	13534	3.5
- 200	80	13368	4.0
- 160	20	13034	0.0
- 160	20	13142	0.5
- 160	20	15626	1.0
- 160	20	15476	1.5
- 160	20	16008	2.0
- 160	20	16820	3.6
- 160	40	10536	0.0
- 160	40	12858	0.5
- 160	40	14174	1.0
- 160	40	14474	1.5
- 160	40	15000	2.0
- 160	40	14618	2.5
- 160	40	15026	3.0
- 160	40	15710	3.5
- 160	40	15978	4.0
- 160	60	11498	0.0
- 160	60	11786	0.5
- 160	60	13396	1.0
- 160	60	14470	1.5
- 160	60	14772	2.0
- 160	60	16304	4.3
- 160	80	9756	0.0
- 160	80	12468	0.5
- 160	80	13754	1.0
- 160	80	14136	1.5
- 160	80	14754	2.0
- 160	80	15028	2.5
- 160	80	15326	3.0
- 160	80	15704	3.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
- 160	80	16018	4.0
- 160	80	15608	4.3
- 120	20	41666	0.0
- 120	20	28932	0.5
- 120	20	19682	1.0
- 120	20	17550	1.5
- 120	20	18134	2.0
- 120	20	18490	2.5
- 120	20	16612	4.0
- 120	60	9772	0.0
- 120	60	12544	0.5
- 120	60	14034	1.0
- 120	60	14542	1.5
- 120	60	14526	2.0
- 120	60	15128	2.5
- 120	60	15742	3.0
- 120	60	16214	3.5
- 120	60	16408	4.0
- 120	100	11308	0.0
- 120	100	12954	0.5
- 120	100	13862	1.0
- 120	100	14776	1.5
- 120	100	15234	2.0
- 120	100	15530	4.7
- 80	20	59728	0.0
- 80	20	30500	0.5
- 80	20	19254	1.0
- 80	20	16924	1.5
- 80	20	16576	2.0
- 80	20	15974	4.3
- 80	60	10022	0.0
- 80	60	12346	0.5
- 80	60	14066	1.0
- 80	60	14698	1.5
- 80	60	15094	2.0
- 80	60	15478	2.5
- 80	60	15692	3.0
- 80	60	16122	3.5
- 60	40	11080	0.0
- 60	40	12734	0.5
- 60	40	14090	1.0
- 60	40	14656	1.5
- 60	40	14716	2.0
- 60	40	15264	3.9
- 60	80	13610	0.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
- 60	80	15438	0.5
- 60	80	14942	1.0
- 60	80	15152	1.5
- 60	80	14958	2.0
- 60	80	15784	4.0
- 40	20	17488	0.0
- 40	20	15154	0.5
- 40	20	15428	1.0
- 40	20	16158	1.5
- 40	20	16454	2.0
- 40	20	14976	3.8
- 40	60	10358	0.0
- 40	60	12696	0.5
- 40	60	14310	1.0
- 40	60	14842	1.5
- 40	60	15080	2.0
- 40	60	15206	2.5
- 40	60	13290	4.3
- 20	0	23128	0.0
- 20	0	22764	0.5
- 20	0	25032	1.0
- 20	0	19766	1.5
- 20	0	19748	2.0
- 20	0	16070	4.0
- 20	40	52546	0.0
- 20	40	39724	0.5
- 20	40	23232	1.0
- 20	40	19498	1.5
- 20	40	19666	2.0
- 20	40	17348	4.3
0	20	50734	0.0
0	20	35256	0.5
0	20	20370	1.0
0	20	18300	1.5
0	20	17690	2.0
0	20	16930	4.3
20	0	70988	0.0
20	0	62514	0.5
20	0	33584	1.0
20	0	26714	1.5
20	0	25546	2.0
20	0	25772	4.0
40	20	52626	0.0
40	20	47430	0.5
40	20	33104	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
40	20	25748	1.5
40	20	23786	2.0
40	20	21830	3.3
40	40	28836	0.0
40	40	30130	0.5
40	40	30414	1.0
40	40	22584	1.5
40	40	20868	2.0
40	40	19840	3.6
40	100	10726	0.0
40	100	12052	0.5
40	100	13770	1.0
40	100	14382	1.5
40	100	14764	2.0
40	100	15650	4.2
80	60	20452	0.0
80	60	27998	0.5
80	60	28288	1.0
80	60	29930	1.5
80	60	20122	2.0
80	60	16632	4.0
80	100	10788	0.0
80	100	12890	0.5
80	100	13944	1.0
80	100	14870	1.5
80	100	14884	2.0
80	100	16158	4.0
80	360	11450	0.0
80	360	13282	0.5
80	360	14520	1.0
80	360	15154	1.5
80	360	15330	2.0
80	360	14218	3.8
80	440	10434	0.0
80	440	12976	0.5
80	440	14022	1.0
80	440	15090	1.5
80	440	15468	2.0
80	440	15436	4.0
120	40	29646	0.0
120	40	68546	0.5
120	40	42502	1.0
120	40	28068	1.5
120	40	18272	2.0
120	40	19734	2.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
120	40	17442	3.0
120	40	17846	3.5
120	40	17938	4.0
120	80	18000	0.0
120	80	19706	0.5
120	80	17558	1.0
120	80	16004	1.5
120	80	15226	2.0
120	80	15506	4.5
120	120	17966	0.0
120	120	23416	0.5
120	120	21198	1.0
120	120	16916	1.5
120	120	15372	2.0
120	120	15836	3.9
120	200	12140	0.0
120	200	13804	0.5
120	200	14252	1.0
120	200	14434	1.5
120	200	14642	2.0
120	200	15556	3.7
120	280	12992	0.0
120	280	14478	0.5
120	280	15146	1.0
120	280	15130	1.5
120	280	15504	2.0
120	280	14732	4.3
160	40	23070	0.0
160	40	28300	0.5
160	40	33926	1.0
160	40	63460	1.5
160	40	32762	2.0
160	40	24948	2.5
160	40	25102	3.0
160	40	24086	3.5
160	40	23226	4.0
160	100	38746	0.0
160	100	38266	0.5
160	100	27634	1.0
160	100	21236	1.5
160	100	19384	2.0
160	100	17198	3.7
160	145	21264	0.0
160	145	31938	0.5
160	145	25650	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
160	145	17324	1.5
160	145	16146	2.0
160	145	15814	4.0
160	220	13058	0.0
160	220	14060	0.5
160	220	14532	1.0
160	220	14892	1.5
160	220	15444	2.0
160	220	17114	4.0
160	260	11786	0.0
160	260	12298	0.5
160	260	13234	1.0
160	260	13816	1.5
160	260	14104	2.0
160	260	15146	4.5
160	300	13356	0.0
160	300	13938	0.5
160	300	14638	1.0
160	300	14718	1.5
160	300	14876	2.0
160	300	14964	4.2
200	100	14584	0.0
200	100	21284	0.5
200	100	22584	1.0
200	100	30004	1.5
200	100	82590	2.0
200	100	43298	2.5
200	100	27344	3.0
200	100	26116	3.5
200	100	26484	4.0
200	140	25144	0.0
200	140	28430	0.5
200	140	23930	1.0
200	140	18584	1.5
200	140	17556	2.0
200	140	16020	4.0
200	180	15314	0.0
200	180	14392	0.5
200	180	14478	1.0
200	180	14738	1.5
200	180	14846	2.0
200	180	15694	4.0
200	220	14122	0.0
200	220	13438	0.5
200	220	13624	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
200	220	14532	1.5
200	220	14756	2.0
200	220	15456	3.7
200	260	12906	0.0
200	260	13292	0.5
200	260	13556	1.0
200	260	14350	1.5
200	260	14436	2.0
200	260	15536	3.8
200	320	14436	0.0
200	320	19510	0.5
200	320	16938	1.0
200	320	15888	1.5
200	320	15654	2.0
200	320	15244	4.0
240	140	15876	0.0
240	140	30670	0.5
240	140	53464	1.0
240	140	105874	1.5
240	140	182936	2.0
240	140	87134	2.5
240	140	34702	3.0
240	140	26530	3.5
240	140	25620	4.0
240	160	18526	0.0
240	160	22370	0.5
240	160	18976	1.0
240	160	17232	1.5
240	160	15888	2.0
240	160	16118	4.0
240	200	16368	0.0
240	200	15192	0.5
240	200	14326	1.0
240	200	15014	1.5
240	200	14654	2.0
240	200	15962	3.7
240	240	14236	0.0
240	240	14386	0.5
240	240	14612	1.0
240	240	14968	1.5
240	240	14916	2.0
240	240	15438	4.0
240	340	21122	0.0
240	340	17302	0.5
240	340	15934	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
240	340	16272	1.5
240	340	15762	2.0
240	340	16198	4.0
280	160	13090	0.0
280	160	17044	0.5
280	160	22760	1.0
280	160	25720	1.5
280	160	35294	2.0
280	160	109768	2.5
280	160	62072	3.0
280	160	27610	3.5
280	160	24752	3.7
280	200	18860	0.0
280	200	16672	0.5
280	200	15386	1.0
280	200	15456	1.5
280	200	15850	1.7
280	200	15994	4.3
280	240	16544	0.0
280	240	15120	0.5
280	240	14400	1.0
280	240	14396	1.5
280	240	14948	2.0
280	240	15610	4.3
280	280	14988	0.0
280	280	14400	0.5
280	280	14472	1.0
280	280	14102	1.5
280	280	14564	2.0
280	280	14868	3.3
320	180	12524	0.0
320	180	14150	0.5
320	180	16158	1.0
320	180	18088	1.5
320	180	20048	2.0
320	180	23006	4.5
320	220	19782	0.0
320	220	22704	0.5
320	220	19932	1.0
320	220	16440	1.5
320	220	15502	2.0
320	220	15900	4.7
320	300	14234	0.0
320	300	13968	0.5
320	300	14200	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
320	300	14648	1.5
320	300	14470	2.0
320	300	14734	4.0
360	200	12928	0.0
360	200	16914	0.5
360	200	17026	1.0
360	200	17888	1.5
360	200	19720	2.0
360	200	23342	2.5
360	200	30484	3.0
360	200	65542	3.5
360	200	71472	4.0
360	200	31386	4.5
360	200	25286	5.0
360	200	25516	5.5
360	240	22522	0.0
360	240	29034	0.5
360	240	25004	1.0
360	240	20626	1.5
360	240	16940	2.0
360	240	17332	4.7
360	280	17226	0.0
360	280	15714	0.5
360	280	14248	1.0
360	280	14244	1.5
360	280	14682	2.0
360	280	16036	3.8
360	320	14204	0.0
360	320	14136	0.5
360	320	14080	1.0
360	320	14228	1.5
360	320	14334	2.0
360	320	15484	3.8
400	240	15140	0.0
400	240	22554	0.5
400	240	26756	1.0
400	240	29572	1.5
400	240	36622	2.0
400	240	51640	2.5
400	240	118190	3.0
400	240	223786	3.5
400	240	123334	4.0
400	240	57484	4.5
400	240	40356	5.0
400	240	36266	5.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
400	280	25640	0.0
400	280	22036	0.5
400	280	17476	1.0
400	280	15324	1.5
400	280	15350	2.0
400	280	16848	4.2
400	320	18482	0.0
400	320	16572	0.5
400	320	15318	1.0
400	320	14974	1.5
400	320	14318	2.0
400	320	16092	4.3
400	360	14452	0.0
400	360	15932	0.5
400	360	14786	1.0
400	360	15390	1.5
400	360	15746	2.0
400	360	16268	3.7
440	200	33784	0.0
440	200	22116	0.5
440	200	16318	1.0
440	200	14626	1.5
440	200	14848	2.0
440	200	16720	4.2
440	260	28036	0.0
440	260	82604	0.5
440	260	120692	1.0
440	260	132633	1.5
440	260	237108	2.0
440	260	474810	2.5
440	260	608490	3.0
440	260	307886	3.5
440	260	168072	4.0
440	260	117344	4.5
440	260	99856	5.0
440	260	89914	5.5
440	260	85894	5.8
440	297	33784	0.0
440	297	22116	0.5
440	297	16318	1.0
440	297	14626	1.5
440	297	14848	2.0
440	297	16720	4.2
440	340	18768	0.0
440	340	17108	0.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
440	340	15822	1.0
440	340	14904	1.5
440	340	14686	2.0
440	340	15680	4.2
440	380	14700	0.0
440	380	17712	0.5
440	380	16732	1.0
440	380	16018	1.5
440	380	15608	2.0
440	380	14682	3.5
460	520	13214	0.0
460	520	13998	0.5
460	520	13962	1.0
460	520	14364	1.5
460	520	14394	2.0
460	520	14794	3.5
480	300	137456	0.0
480	300	72838	0.5
480	300	33554	1.0
480	300	21238	1.5
480	300	17642	2.0
480	300	18404	4.0
480	340	16458	0.0
480	340	12740	0.5
480	340	14300	1.0
480	340	14464	1.5
480	340	15476	2.0
480	340	16146	4.2
480	360	20714	0.0
480	360	17584	0.5
480	360	15488	1.0
480	360	14518	1.5
480	360	14726	2.0
480	360	15202	4.0
480	380	19994	0.0
480	380	16728	0.5
480	380	14702	1.0
480	380	14532	1.5
480	380	14830	2.0
480	380	16548	4.0
480	420	15364	0.0
480	420	16788	0.5
480	420	15860	1.0
480	420	16010	1.5
480	420	15740	2.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
480	420	15046	4.3
480	560	11730	0.0
480	560	14264	0.5
480	560	14974	1.0
480	560	15976	1.5
480	560	15234	2.0
480	560	15784	4.0
500	520	17440	0.0
500	520	16944	0.5
500	520	15664	1.0
500	520	15700	1.5
500	520	15660	2.0
500	520	15560	3.5
520	320	29480	0.0
520	320	61872	0.5
520	320	126172	1.0
520	320	288732	1.5
520	320	490838	2.0
520	320	316502	2.5
520	320	117658	3.0
520	320	64378	3.5
520	320	43072	4.0
520	320	28468	4.5
520	320	22230	5.0
520	320	22274	5.5
520	360	21982	0.0
520	360	16082	0.5
520	360	15132	1.0
520	360	14772	1.5
520	360	14724	2.0
520	360	15572	4.2
520	400	20810	0.0
520	400	16942	0.5
520	400	14018	1.0
520	400	14406	1.5
520	400	14882	2.0
520	400	15524	4.0
520	440	14224	0.0
520	440	14338	0.5
520	440	15582	1.0
520	440	15800	1.5
520	440	15578	2.0
520	440	14902	4.3
560	360	245984	0.0
560	360	166646	0.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
560	360	54730	1.0
560	360	37246	1.5
560	360	32702	2.0
560	360	31258	2.5
560	360	37164	3.0
560	360	47116	3.5
560	360	35280	4.0
560	360	33718	4.3
560	360	27754	4.8
560	360	27428	5.3
560	402	37800	0.0
560	402	29406	0.5
560	402	20882	1.0
560	402	17204	1.5
560	402	15828	2.0
560	402	15696	4.2
560	440	21484	0.0
560	440	17466	0.5
560	440	17500	1.0
560	440	17430	1.5
560	440	17562	2.0
560	440	22502	3.4
584	400	23068	0.0
584	400	50912	0.5
584	400	36042	1.0
584	400	22618	1.5
584	400	18012	2.0
600	380	65932	0.0
600	380	166604	0.5
600	380	383006	1.0
600	380	343462	1.5
600	380	153692	2.0
600	380	60442	2.5
600	380	40198	3.0
600	380	30648	3.5
600	380	23662	4.0
600	380	19190	5.6
600	425	47570	0.0
600	425	27400	0.5
600	425	19556	1.0
600	425	16430	1.5
600	425	15928	2.0
600	425	16210	4.0
600	460	23416	0.0
600	460	19902	0.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
600	460	17090	1.0
600	460	16484	1.5
600	460	16412	2.0
600	460	15178	3.5
640	380	51778	0.0
640	380	59770	0.5
640	380	62550	1.0
640	380	114188	1.5
640	380	132646	2.0
640	380	72404	2.5
640	380	42444	3.0
640	380	29824	3.5
640	380	27078	3.7
640	420	334094	0.0
640	420	171556	0.5
640	420	49240	1.0
640	420	25660	1.5
640	420	18560	2.0
640	420	18348	4.2
640	460	31404	0.0
640	460	25312	0.5
640	460	19028	1.0
640	460	16396	1.5
640	460	16092	2.0
640	460	15272	4.7
640	500	32920	0.0
640	500	33862	0.5
640	500	23382	1.0
640	500	18128	1.5
640	500	17106	2.0
640	500	15486	4.3
640	640	13400	0.0
640	640	13662	0.5
640	640	14558	1.0
640	640	15710	1.5
640	640	16282	2.0
640	640	16084	2.5
640	640	16796	4.5
680	420	122582	0.0
680	420	193148	0.5
680	420	308222	1.0
680	420	567836	1.5
680	420	504964	2.0
680	420	244958	2.5
680	420	106864	3.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
680	420	62780	3.5
680	420	40096	4.0
680	420	28372	4.5
680	420	22490	5.0
680	420	22614	5.5
680	420	25356	5.8
680	465	35330	0.0
680	465	28232	0.5
680	465	18208	1.0
680	465	14164	1.5
680	465	14130	2.0
680	465	15592	4.5
680	500	19914	0.0
680	500	15978	0.5
680	500	15552	1.0
680	500	15700	1.5
680	500	15832	2.0
680	500	14582	4.0
680	620	14946	0.0
680	620	15878	0.5
680	620	14534	1.0
680	620	14858	1.5
680	620	15178	2.0
680	620	15748	4.2
700	620	17236	0.0
700	620	17518	0.5
700	620	15726	1.0
700	620	15388	1.5
700	620	15082	2.0
700	620	14842	4.0
700	680	12236	0.0
700	680	13326	0.5
700	680	14462	1.0
700	680	15098	1.5
700	680	15024	2.0
700	680	15596	3.7
720	440	104406	0.0
720	440	255236	0.5
720	440	544646	1.0
720	440	520294	1.5
720	440	277802	2.0
720	440	91264	2.5
720	440	40838	3.0
720	440	29632	3.3
720	480	66052	0.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
720	480	37392	0.5
720	480	19568	1.0
720	480	15692	1.5
720	480	15334	2.0
720	480	16152	4.3
720	500	24928	0.0
720	500	18134	0.5
720	500	16992	1.0
720	500	16432	1.5
720	500	16124	2.0
720	500	14966	3.6
720	535	24210	0.0
720	535	26434	0.5
720	535	20336	1.0
720	535	17236	1.5
720	535	16404	2.0
720	535	15000	4.3
740	620	17952	0.0
740	620	15126	0.5
740	620	14082	1.0
740	620	14456	1.5
740	620	14786	2.0
740	620	15932	4.5
740	660	14606	0.0
740	660	13626	0.5
740	660	15686	1.0
740	660	16392	1.5
740	660	15912	2.0
740	660	15440	4.2
760	460	107056	0.0
760	460	302680	0.5
760	460	484010	1.0
760	460	804142	1.5
760	460	1004376	2.0
760	460	612782	2.5
760	460	358154	3.0
760	460	156620	3.5
760	460	85088	4.0
760	460	56068	4.5
760	460	37786	5.0
760	460	32510	5.5
760	460	28850	5.8
760	500	35476	0.0
760	500	22954	0.5
760	500	18636	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
760	500	17074	1.5
760	500	16792	2.0
760	500	15340	4.8
760	540	25568	0.0
760	540	23352	0.5
760	540	18416	1.0
760	540	16278	1.5
760	540	15964	2.0
760	540	15070	4.7
780	620	21554	0.0
780	620	18412	0.5
780	620	16382	1.0
780	620	16538	1.5
780	620	16756	2.0
780	620	16034	4.7
800	460	31144	0.0
800	460	54716	0.5
800	460	114950	1.0
800	460	281680	1.5
800	460	251006	2.0
800	460	122218	2.5
800	460	57346	3.0
800	460	34672	3.5
800	460	24268	4.0
800	500	95426	0.0
800	500	61802	0.5
800	500	33798	1.0
800	500	19594	1.5
800	500	16786	2.0
800	500	18866	4.2
800	540	30728	0.0
800	540	16754	0.5
800	540	15616	1.0
800	540	15466	1.5
800	540	15342	2.0
800	540	13884	4.3
800	620	21268	0.0
800	620	21244	0.5
800	620	18010	1.0
800	620	17302	1.5
800	620	17684	2.0
800	620	16532	4.3
800	680	15120	0.0
800	680	14292	0.5
800	680	14870	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
800	680	16080	1.5
800	680	18610	2.0
800	680	16874	4.3
840	480	66820	0.0
840	480	125610	0.5
840	480	309322	1.0
840	480	437408	1.5
840	480	253522	2.0
840	480	117326	2.5
840	480	118890	3.0
840	480	38428	3.5
840	480	27786	4.0
840	480	21514	4.5
840	480	21510	5.0
840	480	19232	5.5
840	480	21994	5.8
840	520	137034	0.0
840	520	91724	0.5
840	520	43890	1.0
840	520	27490	1.5
840	520	21560	2.0
840	520	17356	4.7
840	660	18256	0.0
840	660	15972	0.5
840	660	15196	1.0
840	660	14714	1.5
840	660	14914	2.0
840	660	15172	4.2
840	700	13844	0.0
840	700	14080	1.0
840	700	13504	1.5
840	700	15702	2.0
840	700	18132	4.5
860	460	31144	0.0
860	460	54716	0.5
860	460	114950	1.0
860	460	281680	1.5
860	460	251006	2.0
860	460	122038	2.5
860	460	57346	3.0
860	460	34672	3.5
860	460	24268	4.0
880	500	368728	0.0
880	500	646072	0.5
880	500	1586616	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
880	500	988808	2.0
880	500	480110	2.5
880	500	255984	3.0
880	500	136850	3.5
880	500	92098	4.0
880	500	67606	4.5
880	500	57616	5.0
880	500	93134	5.3
880	500	40270	5.7
880	540	159034	0.0
880	540	72580	0.5
880	540	34680	1.0
880	540	26653	1.5
880	540	23858	2.0
880	540	26022	4.0
880	640	25724	0.0
880	640	21584	0.5
880	640	16468	1.0
880	640	16680	1.5
880	640	17156	2.0
880	640	17384	4.5
880	680	17612	0.0
880	680	16480	0.5
880	680	15142	1.0
880	680	14816	1.5
880	680	14690	2.0
880	680	16618	4.1
900	560	85958	0.0
900	560	59836	0.5
900	560	26520	1.0
900	560	18190	1.5
900	560	16334	2.0
900	560	15224	4.3
920	520	462724	0.0
920	520	886780	0.5
920	520	1232960	1.0
920	520	1224572	1.5
920	520	809986	2.0
920	520	355342	2.5
920	520	183918	3.0
920	520	101070	3.5
920	520	66412	4.0
920	520	42926	4.5
920	520	40346	5.0
920	520	37246	5.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
920	520	47742	5.8
920	560	71430	0.0
920	560	29772	0.5
920	560	18580	1.0
920	560	16498	1.5
920	560	15888	2.0
920	560	15462	4.3
920	640	23226	0.0
920	640	19002	0.5
920	640	16164	1.0
920	640	16558	1.5
920	640	17452	2.0
920	640	16974	4.7
920	680	15626	0.0
920	680	14070	0.5
920	680	13966	1.0
920	680	14412	1.5
920	680	14612	2.0
920	680	15594	4.5
960	520	475582	0.0
960	520	1496416	0.5
960	520	1541006	1.0
960	520	1541150	1.5
960	520	768366	2.0
960	520	312536	2.5
960	520	177010	3.0
960	520	92638	3.5
960	520	85888	4.0
960	520	78532	4.5
960	520	57591	5.0
960	540	34108	0.0
960	540	21418	0.5
960	540	17756	1.0
960	540	16290	1.5
960	540	15632	2.0
960	540	14328	4.7
960	568	35260	0.0
960	568	35806	0.5
960	568	22316	1.0
960	568	18370	1.5
960	568	17518	2.0
960	568	15696	4.0
960	640	22196	0.0
960	640	19378	0.5
960	640	16562	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
960	640	16682	1.5
960	640	17758	2.0
960	640	17070	4.3
960	680	16806	0.0
960	680	14322	0.5
960	680	14260	1.0
960	680	14870	1.5
960	680	15374	2.0
960	680	15832	3.7
1000	520	408528	0.0
1000	520	1107356	0.5
1000	520	1905714	1.0
1000	520	1622036	1.5
1000	520	539118	2.0
1000	520	295850	2.5
1000	520	213766	3.0
1000	520	177948	3.5
1000	520	83264	4.0
1000	520	37668	4.5
1000	520	37348	5.0
1000	520	48414	5.5
1000	540	124952	0.0
1000	540	104196	0.5
1000	540	36542	1.0
1000	540	20848	1.5
1000	540	18952	2.0
1000	540	16982	4.3
1000	574	22822	0.0
1000	574	19054	0.5
1000	574	17702	1.0
1000	574	17202	1.5
1000	574	16428	2.0
1000	574	15438	4.5
1000	660	20138	0.0
1000	660	16738	0.5
1000	660	14660	1.0
1000	660	15334	1.5
1000	660	15256	2.0
1000	660	15700	4.2
1040	520	144366	0.0
1040	520	283556	0.5
1040	520	599772	1.0
1040	520	1220490	1.5
1040	520	702142	2.0
1040	520	302546	2.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1040	520	146332	3.0
1040	520	67892	3.5
1040	520	41558	4.0
1040	520	30052	4.5
1040	520	23808	5.0
1040	520	28812	5.5
1040	560	197956	0.0
1040	560	153584	0.5
1040	560	58538	1.0
1040	560	26066	1.5
1040	560	18962	2.0
1040	560	21002	4.7
1040	660	21310	0.0
1040	660	18674	0.5
1040	660	15878	1.0
1040	660	15682	1.5
1040	660	15964	2.0
1040	660	15516	4.5
1040	700	15038	0.0
1040	700	14844	0.5
1040	700	15598	1.0
1040	700	16068	1.5
1040	700	16486	2.0
1040	700	16674	4.2
1050	540	124932	0.0
1050	540	104196	0.5
1050	540	36542	1.0
1050	540	20848	1.5
1050	540	18952	2.0
1050	540	16982	4.3
1080	500	238826	0.0
1080	500	471044	0.5
1080	500	790866	1.0
1080	500	585716	1.5
1080	500	298134	2.0
1080	500	570234	2.5
1080	500	306462	3.0
1080	500	94970	3.5
1080	500	42830	4.0
1080	500	29140	4.5
1080	500	29500	5.0
1080	500	25574	5.3
1080	540	122174	0.0
1080	540	97914	0.5
1080	540	44690	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1080	540	24746	1.5
1080	540	20962	2.0
1080	540	22456	2.5
1080	540	22758	3.7
1080	660	18808	0.0
1080	660	15672	0.5
1080	660	16224	1.0
1080	660	16362	1.5
1080	660	16460	2.0
1080	660	15436	3.5
1120	520	265904	0.0
1120	520	508510	0.5
1120	520	938016	1.0
1120	520	724496	1.5
1120	520	439378	2.0
1120	520	168260	2.5
1120	520	77964	3.0
1120	520	37872	3.5
1120	520	29062	4.0
1120	520	24656	4.5
1120	520	23128	5.0
1120	520	34920	6.0
1120	560	44466	0.0
1120	560	30156	0.5
1120	560	20730	1.0
1120	560	18382	1.5
1120	560	17148	2.0
1120	560	15718	4.5
1160	500	106098	0.0
1160	500	246538	0.5
1160	500	499450	1.0
1160	500	566572	1.5
1160	500	313274	2.0
1160	500	91090	2.5
1160	500	88992	3.0
1160	500	43904	3.5
1160	500	29580	4.0
1160	500	24440	4.2
1160	560	35036	0.0
1160	560	25172	0.5
1160	560	20022	1.0
1160	560	17798	1.5
1160	560	17100	2.0
1160	560	15992	4.6
1160	660	15724	0.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1160	660	16260	0.5
1160	660	16778	1.0
1160	660	16084	1.5
1160	660	15808	2.0
1160	660	16742	3.7
1200	500	49456	0.0
1200	500	91816	0.5
1200	500	274502	1.0
1200	500	207696	1.5
1200	500	74378	2.0
1200	500	32882	2.5
1200	500	20326	3.0
1200	538	56202	0.0
1200	538	45332	0.5
1200	538	21778	1.0
1200	538	17410	1.5
1200	538	16180	2.0
1200	538	15638	4.3
1200	640	17010	0.0
1200	640	15216	0.5
1200	640	15890	1.0
1200	640	15080	1.5
1200	640	15474	2.0
1200	640	15266	4.2
1200	650	15266	0.0
1200	650	15276	0.5
1200	650	17298	1.0
1200	650	17302	1.5
1200	650	15728	2.0
1240	500	24632	0.0
1240	500	30694	0.5
1240	500	71022	1.0
1240	500	51178	1.5
1240	500	27356	2.0
1240	500	21708	2.5
1240	500	17560	3.0
1240	540	127546	0.0
1240	540	77910	0.5
1240	540	39338	1.0
1240	540	24112	1.5
1240	540	18402	2.0
1240	540	18838	4.4
1240	620	19390	0.0
1240	620	16880	0.5
1240	620	16512	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1240	620	15762	1.5
1240	620	15390	2.0
1240	620	14442	4.3
1240	660	15530	0.0
1240	660	17636	0.5
1240	660	14492	1.0
1240	660	16172	1.5
1240	660	17682	2.0
1240	660	15056	4.3
1280	480	24310	0.0
1280	480	24066	0.5
1280	480	32704	1.0
1280	480	73826	1.5
1280	480	141582	2.0
1280	480	102820	2.5
1280	480	37498	3.0
1280	480	23504	3.5
1280	480	19812	3.8
1280	520	161702	0.0
1280	520	91518	0.5
1280	520	30968	1.0
1280	520	18612	1.5
1280	520	16048	2.0
1280	520	15994	4.2
1280	600	28802	0.0
1280	600	19590	0.5
1280	600	17614	1.0
1280	600	17414	1.5
1280	600	17528	2.0
1280	600	17014	4.0
1280	640	15218	0.0
1280	640	15726	0.5
1280	640	16402	1.0
1280	640	15784	1.5
1280	640	15406	2.0
1280	640	14620	4.0
1310	515	38984	0.0
1310	515	75354	0.5
1310	515	62948	1.0
1310	515	28368	1.5
1310	515	19588	2.0
1310	515	16042	4.5
1315	480	37602	0.0
1315	480	64588	0.5
1315	480	112962	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1315	480	217978	1.5
1315	480	429508	2.0
1315	480	400876	2.5
1315	480	135166	3.0
1315	480	67612	3.5
1315	480	45522	4.0
1315	480	37908	4.3
1315	480	31266	4.8
1315	480	27422	5.3
1320	520	198520	0.0
1320	520	128018	0.5
1320	520	41190	1.0
1320	520	21562	1.5
1320	520	16240	2.0
1320	520	16560	4.5
1320	600	17850	0.0
1320	600	17768	0.5
1320	600	17190	1.0
1320	600	16598	1.5
1320	600	16286	2.0
1320	600	15104	4.3
1350	570	33932	0.0
1350	570	29234	0.5
1350	570	39716	1.0
1350	570	30768	1.5
1350	570	21380	2.0
1350	570	16020	4.2
1360	517	256698	0.0
1360	517	160704	0.5
1360	517	45698	1.0
1360	517	28770	1.5
1360	517	27388	2.0
1360	517	21670	4.3
1360	600	19094	0.0
1360	600	16814	0.5
1360	600	16234	1.0
1360	600	16658	1.5
1360	600	16404	2.0
1360	600	14622	4.7
1360	640	15314	0.0
1360	640	15310	0.5
1360	640	16588	1.0
1360	640	17346	1.5
1360	640	18510	2.0
1360	640	16446	4.3

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1365	475	22846	0.0
1365	475	25992	0.5
1365	475	45166	1.0
1365	475	115956	1.5
1365	475	85184	2.0
1365	475	41668	2.5
1365	475	31066	3.0
1365	475	19736	4.5
1400	480	127104	0.0
1400	480	221366	0.5
1400	480	236192	1.0
1400	480	97826	1.5
1400	480	55660	2.0
1400	480	38358	2.5
1400	480	24886	3.0
1400	480	21760	3.5
1400	480	20326	4.0
1400	480	20412	4.3
1400	520	67460	0.0
1400	520	163998	0.5
1400	520	156704	1.0
1400	520	71542	1.5
1400	520	33872	2.0
1400	520	21548	2.5
1400	520	15904	4.6
1400	600	39066	0.0
1400	600	24918	0.5
1400	600	18312	1.0
1400	600	16922	1.5
1400	600	15574	2.0
1430	530	12464	0.0
1430	530	7868	0.5
1430	530	8482	1.0
1430	530	18670	1.5
1430	530	29530	2.0
1430	530	20826	2.5
1430	530	18504	3.0
1430	530	17440	3.5
1430	530	17440	4.0
1430	530	16746	4.5
1430	530	16798	5.8
1440	456	58106	0.0
1440	456	107196	0.5
1440	456	198956	1.0
1440	456	259970	1.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1440	456	149560	2.0
1440	456	52214	2.5
1440	456	29814	3.0
1440	456	19784	4.5
1440	500	61494	0.0
1440	500	53488	0.5
1440	500	37538	1.0
1440	500	28770	1.5
1440	500	23504	2.0
1440	500	17660	4.5
1440	580	23924	0.0
1440	580	19936	0.5
1440	580	16144	1.0
1440	580	15802	1.5
1440	580	16038	2.0
1440	580	16010	3.5
1440	620	36228	0.0
1440	620	39854	0.5
1440	620	33584	1.0
1440	620	22904	1.5
1440	620	18078	2.0
1440	620	18076	4.5
1470	570	27026	0.0
1470	570	35152	0.5
1470	570	26008	1.0
1470	570	23640	1.5
1470	570	22686	2.0
1470	570	15876	4.3
1480	440	64842	0.0
1480	440	100426	0.5
1480	440	128948	1.0
1480	440	127636	1.5
1480	440	146178	2.0
1480	440	217760	2.5
1480	440	245236	3.0
1480	440	150152	3.5
1480	440	97992	4.0
1480	440	97200	4.5
1480	440	53506	5.0
1480	440	30698	5.8
1480	460	71270	0.0
1480	460	133790	0.5
1480	460	235424	1.0
1480	460	155152	1.5
1480	460	73900	2.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1480	460	46556	2.5
1480	460	31552	3.0
1480	460	26158	3.5
1480	460	23564	4.0
1480	460	20546	5.7
1480	500	139498	0.0
1480	500	171434	0.5
1480	500	68294	1.0
1480	500	29786	1.5
1480	500	20424	2.0
1480	500	16594	4.7
1480	570	24956	0.0
1480	570	26880	0.5
1480	570	21026	1.0
1480	570	17678	1.5
1480	570	15686	2.0
1480	570	16394	3.5
1480	600	115484	0.0
1480	600	72962	0.5
1480	600	26948	1.0
1480	600	19242	1.5
1480	600	16666	2.0
1480	600	22582	4.7
1508	384	22978	0.0
1508	384	43928	0.5
1508	384	176150	1.0
1508	384	323356	1.5
1508	384	216314	2.0
1508	420	14286	0.5
1508	420	17740	1.0
1508	420	28086	1.5
1508	420	23860	1.8
1520	420	39126	0.0
1520	420	97196	0.5
1520	420	120158	1.0
1520	420	147682	1.5
1520	420	137864	2.0
1520	420	157022	2.5
1520	420	127452	3.0
1520	420	60910	3.5
1520	420	35460	4.0
1520	440	38360	0.0
1520	440	105304	0.5
1520	440	134880	1.0
1520	440	149504	1.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1520	440	129130	2.0
1520	440	147936	2.5
1520	440	101676	3.0
1520	440	50938	3.5
1520	440	42722	4.0
1520	440	33704	4.5
1520	440	25502	5.0
1520	440	23310	5.3
1520	560	47812	0.0
1520	560	46462	0.5
1520	560	25850	1.0
1520	560	20828	1.5
1520	560	18766	2.0
1520	560	16043	4.0
1520	600	115964	0.0
1520	600	89050	0.5
1520	600	30678	1.0
1520	600	20466	1.5
1520	600	17600	2.0
1520	600	17538	4.2
1525	460	27628	0.0
1525	460	26826	0.5
1525	460	20518	1.0
1525	460	17884	1.5
1525	460	17668	2.0
1525	460	16830	4.7
1560	440	20072	0.0
1560	440	30710	0.5
1560	440	52172	1.0
1560	440	120748	1.5
1560	440	161682	2.0
1560	440	87884	2.5
1560	440	45718	3.0
1560	440	34408	3.5
1560	440	29816	4.0
1560	480	36414	0.0
1560	480	25354	0.5
1560	480	18210	1.0
1560	480	16170	1.5
1560	480	16632	2.0
1560	480	15958	4.2
1560	560	28802	0.0
1560	560	26996	0.5
1560	560	22680	1.0
1560	560	20462	1.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1560	560	18600	2.0
1560	560	17252	4.5
1560	600	46208	0.0
1560	600	54194	0.5
1560	600	35540	1.0
1560	600	21980	1.5
1560	600	15776	2.0
1560	600	18946	4.5
1565	500	82362	0.0
1565	500	103756	0.5
1565	500	75764	1.0
1565	500	38230	1.5
1565	500	29668	2.0
1565	500	17788	4.5
1570	505	11352	0.0
1570	505	7576	0.5
1570	505	7940	1.0
1570	505	17604	1.5
1570	505	24458	2.0
1570	505	44784	2.5
1570	505	107910	3.0
1570	505	62698	3.5
1570	505	26614	4.0
1570	505	18828	4.5
1570	505	17034	5.0
1570	505	16824	5.4
1585	545	43050	0.0
1585	545	56040	0.5
1585	545	32300	1.0
1585	545	24664	1.5
1585	545	25646	2.0
1585	545	16354	4.0
1600	384	28444	0.0
1600	384	65460	0.5
1600	384	74420	1.0
1600	384	42930	1.5
1600	384	33138	1.8
1600	416	18972	0.0
1600	416	28446	0.5
1600	416	57080	1.0
1600	416	194484	1.5
1600	416	262518	1.9
1600	420	22218	0.0
1600	420	35036	0.5
1600	420	60062	1.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1600	420	113230	1.5
1600	420	184104	2.0
1600	420	97906	2.5
1600	420	43794	3.0
1600	420	30156	3.5
1600	420	24918	4.0
1600	460	32806	0.0
1600	460	30322	0.5
1600	460	20610	1.0
1600	460	17642	1.5
1600	460	16722	2.0
1600	460	15826	4.3
1600	550	39198	0.0
1600	550	30220	0.5
1600	550	23420	1.0
1600	550	25124	1.5
1600	550	21620	2.0
1600	550	17974	4.7
1600	580	153816	0.0
1600	580	126470	0.5
1600	580	40164	1.0
1600	580	22840	1.5
1600	580	18822	2.0
1600	580	24742	4.5
1640	400	104070	0.0
1640	400	199568	0.5
1640	400	275432	1.0
1640	400	139856	1.5
1640	400	45952	2.0
1640	400	26402	2.5
1640	400	24752	3.0
1640	400	26234	3.5
1640	400	24062	3.7
1640	440	23242	0.0
1640	440	21550	0.5
1640	440	17874	1.0
1640	440	16824	1.5
1640	440	16468	2.0
1640	440	15610	4.3
1640	470	39392	0.0
1640	470	86206	0.5
1640	470	35960	1.0
1640	470	21404	1.5
1640	470	17380	2.0
1640	470	17218	4.6

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1640	520	11166	0.0
1640	520	8199	0.5
1640	520	9946	1.0
1640	520	20488	1.5
1640	520	31572	2.0
1640	520	24866	2.5
1640	520	20342	3.0
1640	520	26502	3.5
1640	520	21532	4.0
1640	520	22194	4.5
1640	520	17850	5.2
1640	540	59776	0.0
1640	540	59630	0.5
1640	540	38082	1.0
1640	540	24514	1.5
1640	540	23352	2.0
1640	540	19386	4.5
1640	580	115792	0.0
1640	580	85202	0.5
1640	580	38812	1.0
1640	580	28752	1.5
1640	580	27190	2.0
1640	580	26250	4.3
1660	478	44528	0.0
1660	478	128512	0.5
1660	478	49468	1.0
1660	478	21712	1.5
1660	478	17248	2.0
1660	478	17086	4.6
1670	490	9992	0.0
1670	490	7388	0.5
1670	490	6872	1.0
1670	490	10490	1.5
1670	490	16658	2.0
1670	490	18334	2.5
1670	490	27238	3.0
1670	490	44726	3.5
1670	490	106402	4.0
1670	490	40344	4.5
1670	490	24330	5.0
1670	490	20652	5.4
1680	420	27506	0.0
1680	420	28318	0.5
1680	420	20210	1.0
1680	420	17316	1.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1680	420	16948	2.0
1680	420	17608	4.5
1680	460	28846	0.0
1680	460	30314	0.5
1680	460	20826	1.0
1680	460	16734	1.5
1680	460	15494	2.0
1680	460	16304	4.7
1680	528	50762	0.0
1680	528	43150	0.5
1680	528	26896	1.0
1680	528	23132	1.5
1680	528	21676	2.0
1680	528	22386	4.0
1680	560	62962	0.0
1680	560	40376	0.5
1680	560	25152	1.0
1680	560	19392	1.5
1680	560	19502	2.0
1680	560	20302	4.3
1700	522	85080	0.0
1700	522	83844	0.5
1700	522	41790	1.0
1700	522	27082	1.5
1700	522	43002	4.0
1720	400	20976	0.0
1720	400	33490	0.5
1720	400	64416	1.0
1720	400	104976	1.5
1720	400	129974	2.0
1720	400	79330	2.5
1720	400	70344	3.0
1720	400	65958	3.5
1720	400	42202	4.0
1720	400	24506	4.5
1720	400	21834	5.0
1720	400	23388	5.5
1720	440	22430	0.0
1720	440	18952	0.5
1720	440	17186	1.0
1720	440	16204	1.5
1720	440	16408	2.0
1720	440	17374	3.7
1720	520	78924	0.0
1720	520	51108	0.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1720	520	26540	1.0
1720	520	20996	1.5
1720	520	20276	2.0
1720	520	23500	4.5
1720	560	139898	0.0
1720	560	95624	0.5
1720	560	37574	1.0
1720	560	24268	1.5
1720	560	20014	2.0
1720	560	18828	4.3
1740	520	92566	0.0
1740	520	108130	0.5
1740	520	43964	1.0
1740	520	24930	1.5
1740	520	21298	2.0
1740	520	21332	4.0
1750	440	11619	0.0
1750	440	9880	0.5
1750	440	8598	1.0
1750	440	8406	1.5
1750	440	8259	2.0
1750	440	7981	3.6
1758	455	36670	0.0
1758	455	51584	0.5
1758	455	25726	1.0
1758	455	18550	1.5
1758	455	17074	2.0
1758	455	16108	4.3
1760	380	15378	0.0
1760	380	18972	0.5
1760	380	24952	1.0
1760	380	23320	1.5
1760	380	20322	2.0
1760	380	18330	4.0
1760	440	23238	0.0
1760	440	19760	0.5
1760	440	17196	1.0
1760	440	16812	1.5
1760	440	16518	2.0
1760	440	15962	3.6
1760	520	27084	0.0
1760	520	23480	0.5
1760	520	18972	1.0
1760	520	17826	1.5
1760	520	17626	2.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1760	520	16192	4.2
1760	560	68400	0.0
1760	560	40628	0.5
1760	560	25106	1.0
1760	560	20142	1.5
1760	560	20742	2.0
1760	560	21970	2.3
1780	510	110884	0.0
1780	510	131332	0.5
1780	510	48680	1.0
1780	510	25716	1.5
1780	510	20166	2.0
1780	510	23432	4.0
1800	360	16368	0.0
1800	360	20288	0.5
1800	360	33872	1.0
1800	360	27996	1.5
1800	360	21734	2.0
1800	360	16930	3.8
1800	508	57474	0.0
1800	508	49678	0.5
1800	508	24294	1.0
1800	508	21344	1.5
1800	508	21636	2.0
1800	508	22968	4.5
1800	540	73296	0.0
1800	540	103818	0.5
1800	540	62682	1.0
1800	540	41692	1.5
1800	540	33298	2.0
1800	540	29344	2.5
1820	480	9310	0.0
1820	480	6918	0.5
1820	480	8570	1.0
1820	480	17420	1.5
1820	480	18860	2.0
1820	480	18296	2.5
1820	480	18948	3.0
1820	480	19772	3.5
1820	480	18486	4.0
1820	480	16708	4.5
1820	480	16178	5.0
1820	480	16852	5.5
1820	505	78296	0.0
1820	505	101870	0.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1820	505	45124	1.0
1820	505	25344	1.5
1820	505	21646	2.0
1820	505	22342	4.2
1840	380	52182	0.0
1840	380	25044	0.5
1840	380	97644	1.0
1840	380	77496	1.5
1840	380	63614	2.0
1840	380	47656	2.5
1840	380	45578	3.0
1840	380	48174	3.5
1840	380	90968	3.8
1840	380	36862	4.0
1840	380	24996	4.5
1840	380	21148	5.0
1840	420	23496	0.0
1840	420	22960	0.5
1840	420	20232	1.0
1840	420	19998	1.5
1840	420	19692	2.0
1840	420	16634	4.5
1840	500	48132	0.0
1840	500	65036	0.5
1840	500	45706	1.0
1840	500	25844	1.5
1840	500	22504	2.0
1840	500	20238	4.3
1840	540	82072	0.0
1840	540	97946	0.5
1840	540	44210	1.0
1840	540	28110	1.5
1840	540	24396	2.0
1858	490	93882	0.0
1858	490	96490	0.5
1858	490	39690	1.0
1858	490	23776	1.5
1858	490	21252	2.0
1858	490	20434	4.0
1880	360	29594	0.0
1880	360	27345	0.5
1880	360	31774	1.0
1880	360	45500	1.5
1880	360	72614	2.0
1880	360	81708	2.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1880	360	90864	3.0
1880	360	118876	3.5
1880	360	99268	4.0
1880	360	123394	4.5
1880	360	239602	5.0
1880	360	98790	5.5
1880	400	26112	0.0
1880	400	25248	0.5
1880	400	21142	1.0
1880	400	23148	1.5
1880	400	22024	2.0
1880	400	19338	3.7
1880	490	41714	0.0
1880	490	48248	0.5
1880	490	28478	1.0
1880	490	21006	1.5
1880	490	19572	2.0
1880	490	19718	4.5
1880	520	44112	0.0
1880	520	46986	0.5
1880	520	25492	1.0
1880	520	18852	1.5
1880	520	17416	2.0
1895	482	64066	0.0
1895	482	63082	0.5
1895	482	28796	1.0
1895	482	21328	1.5
1895	482	18740	2.0
1895	482	17696	4.5
1910	420	21614	0.0
1910	420	22436	0.5
1910	420	18500	1.0
1910	420	18702	1.5
1910	420	17120	2.0
1910	420	17256	3.7
1920	400	26912	0.0
1920	400	25834	0.5
1920	400	22718	1.0
1920	400	21426	1.5
1920	400	21718	2.0
1920	400	20254	4.0
1920	476	73594	0.0
1920	476	104976	0.5
1920	476	39854	1.0
1920	476	22726	1.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	Coordinates SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1920	476	19890	2.0
1920	485	60946	0.0
1920	485	80908	0.5
1920	485	38174	1.0
1920	485	24536	1.5
1920	485	26250	2.0
1920	485	18700	2.5
1920	485	17940	3.0
1920	485	17346	3.5
1920	485	17790	4.0
1920	485	17872	4.5
1920	485	18144	4.7
1920	520	73554	0.0
1920	520	52364	0.5
1920	520	26064	1.0
1920	520	19438	1.5
1920	520	20830	2.0
1930	470	9884	0.0
1930	470	6698	0.5
1930	470	7352	1.0
1930	470	13952	1.5
1930	470	16520	2.0
1930	470	18108	2.5
1930	470	18626	3.0
1930	470	17470	3.5
1930	470	16624	4.0
1930	470	16880	4.5
1930	470	16308	5.0
1930	470	16238	5.5
1940	360	56642	0.0
1940	360	102856	0.5
1940	360	116704	1.0
1940	360	78082	1.5
1940	360	79466	2.0
1940	360	70624	2.5
1940	360	76596	3.0
1940	360	81076	3.5
1940	360	40076	4.0
1940	360	22504	4.5
1940	360	17276	5.7
1960	380	15378	0.0
1960	380	18972	0.5
1960	380	24952	1.0
1960	380	23320	1.5
1960	380	20322	2.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
1960	380	18330	4.0
1960	400	23802	0.0
1960	400	21062	0.5
1960	400	18418	1.0
1960	400	17008	1.5
1960	400	16592	2.0
1960	400	19848	4.0
1960	500	25814	0.0
1960	500	23402	0.5
1960	500	19024	1.0
1960	500	15830	1.5
1960	500	16254	2.0
1960	540	15842	0.0
1960	540	14282	0.5
1960	540	15066	1.0
1960	540	15580	1.5
1960	540	16346	2.0
1960	540	16550	2.5
1975	475	27194	0.0
1975	475	29140	0.5
1975	475	21916	1.0
1975	475	19164	1.5
1975	475	19398	2.0
1975	475	19878	4.3
2000	340	58150	0.0
2000	340	103996	0.5
2000	340	63476	1.0
2000	340	31356	1.5
2000	340	32490	2.0
2000	340	39118	2.5
2000	340	39052	3.0
2000	340	42222	3.5
2000	340	25448	4.0
2000	340	18864	4.5
2000	340	17828	5.8
2000	400	25686	0.0
2000	400	20516	0.5
2000	400	18328	1.0
2000	400	16994	1.5
2000	400	16736	2.0
2000	400	18548	4.2
2000	480	29490	0.0
2000	480	26496	0.5
2000	480	21854	1.0
2000	480	20112	1.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
2000	480	18908	2.0
2000	480	18630	3.8
2000	500	28996	0.0
2000	500	23462	0.5
2000	500	17216	1.0
2000	500	15356	1.5
2000	500	16092	2.0
2000	520	17036	0.0
2000	520	16462	0.5
2000	520	19002	1.0
2000	520	17622	1.5
2000	520	15884	2.0
2020	470	31044	0.0
2020	470	37590	0.5
2020	470	24748	1.0
2020	470	20530	1.5
2020	470	20740	2.0
2020	470	17048	4.3
2040	340	39908	0.0
2040	340	61056	0.5
2040	340	49220	1.0
2040	340	35288	1.5
2040	340	36222	2.0
2040	340	36194	2.5
2040	340	27260	3.0
2040	340	17324	3.8
2040	380	2380	0.0
2040	380	19362	0.5
2040	380	19826	1.0
2040	380	18866	1.5
2040	380	16134	2.0
2040	380	15022	2.5
2040	380	15126	3.0
2040	380	15022	4.0
2040	465	40450	0.0
2040	465	26266	0.5
2040	465	21064	1.0
2040	465	19264	1.5
2040	465	18848	2.0
2040	465	17182	4.2
2040	500	19944	0.0
2040	500	19828	0.5
2040	500	16266	1.0
2040	500	14852	1.5
2040	500	15272	2.0

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
2060	360	74414	0.0
2060	360	91504	0.5
2060	360	101612	1.0
2060	360	55112	1.5
2060	360	27836	2.0
2060	360	20310	2.5
2060	360	15504	3.9
2060	400	15506	0.0
2060	400	16152	0.5
2060	400	16654	1.0
2060	400	17226	1.5
2060	400	18518	2.0
2060	400	17508	4.5
2060	480	28688	0.0
2060	480	25806	0.5
2060	480	19876	1.0
2060	480	17902	1.5
2060	480	17512	2.0
2080	405	12861	0.0
2080	405	15392	0.5
2080	405	16987	1.0
2080	405	17775	1.5
2080	405	19776	2.0
2080	405	20326	2.5
2080	405	20338	3.0
2080	405	18670	3.5
2080	405	17970	4.0
2080	405	17544	4.3
2080	405	17634	4.5
2080	405	17182	5.0
2080	405	17806	5.5
2080	405	17962	6.0
2080	405	20858	6.5
2080	405	27908	7.0
2080	405	22572	7.5
2080	405	17660	8.0
2080	405	17240	8.5
2080	405	17150	9.0
2080	405	18152	9.5
2080	405	18794	10.0
2080	405	19310	10.5
2080	405	22898	11.0
2080	405	21962	11.5
2080	405	18140	12.0
2080	405	16346	12.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
2080	405	15708	13.0
2080	405	14476	13.5
2080	405	14298	14.0
2080	405	14090	14.5
2090	470	45260	0.0
2090	470	38854	0.5
2090	470	23068	1.0
2090	470	17948	1.5
2090	470	17176	2.0
2090	470	17394	4.2
2100	340	38502	0.0
2100	340	88000	0.5
2100	340	158416	1.0
2100	340	201788	1.5
2100	340	145540	2.0
2100	340	67410	2.5
2100	340	42076	3.0
2100	340	35256	3.5
2100	340	28348	4.0
2100	340	24042	4.5
2100	340	19182	5.0
2100	380	17292	0.0
2100	380	15830	0.5
2100	380	15502	1.0
2100	380	15110	1.5
2100	380	15554	2.0
2100	380	15908	3.5
2100	400	15108	0.0
2100	400	16212	0.5
2100	400	17314	1.0
2100	400	18388	1.5
2100	400	19330	2.0
2100	400	18270	4.5
2100	460	50152	0.0
2100	460	59200	0.5
2100	460	32772	1.0
2100	460	26094	1.5
2100	460	24252	2.0
2100	460	17038	4.5
2100	500	15612	0.0
2100	500	17252	0.5
2100	500	16338	1.0
2100	500	15982	1.5
2100	500	16752	2.0
2100	500	16702	2.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
2140	340	57800	0.0
2140	340	93936	0.5
2140	340	168390	1.0
2140	340	241052	1.5
2140	340	87462	2.0
2140	340	45584	2.5
2140	340	37094	3.0
2140	340	32444	3.5
2140	340	28562	4.0
2140	340	24944	4.5
2140	340	22914	5.0
2140	340	20250	6.0
2140	380	16648	0.0
2140	380	18650	0.5
2140	380	18634	1.0
2140	380	17310	1.5
2140	380	16124	2.0
2140	480	33232	0.0
2140	480	42552	0.5
2140	480	23082	1.0
2140	480	17746	1.5
2140	480	17492	2.0
2140	520	12266	0.0
2140	520	14216	0.5
2140	520	14620	1.0
2140	520	15114	1.5
2140	520	15554	2.0
2160	320	20154	0.0
2160	320	30432	0.5
2160	320	51784	1.0
2160	320	126164	1.5
2160	320	159708	2.0
2160	320	60464	2.5
2160	320	34902	3.0
2160	320	28538	3.5
2160	320	27696	3.8
2160	360	33988	0.0
2160	360	46848	0.5
2160	360	42986	1.0
2160	360	43376	1.5
2160	360	43556	2.0
2160	360	35046	2.5
2160	360	31886	3.0
2160	360	29066	3.5
2160	360	27748	3.7

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
2160	400	16832	0.0
2160	400	20254	0.5
2160	400	17306	1.0
2160	400	15634	1.5
2160	400	16816	2.0
2160	400	17768	4.5
2160	465	24062	0.0
2160	465	28950	0.5
2160	465	20756	1.0
2160	465	19876	1.5
2160	465	19552	2.0
2160	465	19222	3.2
2160	500	12696	0.0
2160	500	13890	0.5
2160	500	15266	1.0
2160	500	15482	1.5
2160	500	15452	2.0
2180	470	31934	0.0
2180	470	47848	0.5
2180	470	31514	1.0
2180	470	22752	1.5
2180	470	21298	2.0
2180	470	17326	4.5
2180	480	11694	0.0
2180	480	14650	0.5
2180	480	15916	1.0
2180	480	16554	1.5
2180	480	16832	2.0
2200	320	17664	0.0
2200	320	25140	0.5
2200	320	30748	1.0
2200	320	38004	1.5
2200	320	39862	2.0
2200	320	37544	2.5
2200	320	27118	3.0
2200	320	23660	3.5
2200	320	22244	3.8
2200	380	12244	0.0
2200	380	14658	0.5
2200	380	16842	1.0
2200	380	16020	1.5
2200	380	15252	2.0
2200	380	14534	3.0
2200	400	10438	0.0
2200	400	12840	0.5

Table 4
BOREHOLE GAMMA-RAY SCAN

SLAPSS Characterization (June,1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates SiteX(R)	SiteY(S)	Borehole # Probe (CPM)	Depth (FT.)
2200	400	14174	1.0
2200	400	15914	1.5
2200	400	16688	2.0
2200	460	40770	0.0
2200	460	33800	0.5
2200	460	21700	1.0
2200	460	19088	1.5
2200	460	17033	2.0
2200	460	15406	3.7

TABLE 5
Coldwater Creek Sediment Gamma Analyses

SLAPSS Characterization (June,2982) Eberline Field and Laboratory Data FUSRAP (10-02-22) Job 571F221
-------- HpGe Scan (Wet) _____

Coordinates SiteX(R)	SiteY(S)	Distance Downstream Ft.	Radium-226 pCi/g +/- 2sigma		Thorium-232 pCi/g +/- 2sigma	
5.00	1620.00	3050	1.4	0.2	1.2	0.4
80.00	1565.00	2950	0.9	0.3	1.6	0.3
160.00	1510.00	2850	1.2	0.2	1.0	0.2
225.00	1455.00	2750	1.1	0.2	1.5	0.3
350.00	1415.00	2650	1.3	0.2	0.7	0.4
440.00	1385.00	2550	1.3	0.2	0.8	0.3
540.00	1355.00	2450	1.4	0.2		
630.00	1330.00	2350	1.7	0.2	0.7	0.3
740.00	1310.00	2250	1.6	0.2	1.3	0.5
840.00	1280.00	2150	1.1	0.2	1.0	0.3
930.00	1265.00	2050	1.2	0.2	0.8	0.2
1030.00	1240.00	1950	1.5	0.2	1.4	0.3
1140.00	1210.00	1850	1.1	0.2	1.2	0.3
1230.00	1190.00	1750	1.1	0.2	1.0	0.3
1315.00	1155.00	1650	1.6	0.2		
1410.00	1130.00	1550	1.0	0.3		
1505.00	1105.00	1450	1.6	0.3		
1600.00	1070.00	1350	0.9	0.3	1.2	0.3
1790.00	1030.00	1250	1.7	0.3	1.0	0.4
1755.00	980.00	1150	1.5	0.2	0.7	0.3
1850.00	920.00	1050	2.0	0.3	1.6	0.6
1930.00	860.00	950	1.7	0.3	0.5	0.3
2010.00	810.00	850	1.5	0.2	0.6	0.2
2060.00	715.00	750	1.3	0.2	2.0	0.3
2120.00	635.00	650	1.0	0.2	1.3	0.3
2165.00	540.00	550	1.2	0.2		
2200.00	450.00	450	1.3	0.2		
2220.00	350.00	350	1.5	0.2	0.9	0.3
2230.00	250.00	250	1.3	0.2	0.6	0.3
2250.00	145.00	150	1.1	0.2	1.2	0.3
2260.00	-140.00	-140	0.9	0.2		
2260.00	50.00	50	2.4	0.4	1.6	0.3

Table 6

Calculated In-Situ Radium-226 pCi/g from SPA-3 Gamma Measurements at 12" and Calculated mRad/hr from HP210 Beta/Gamma Measurements for Coldwater Creek

Coordinates		Distance	SPA3 (12") cpm		SPA3 (12")pCi/l		HP210 mR/hr	
SiteX(R)	SiteY(S)	Downstream Ft.	R.Bank	L.Bank	R.Bank	L.Bank	R.Bank	L.Bank
5.00	1620.00	3050	3324	1552	0.2	<0.1*	.05	.02
80.00	1565.00	2950	6312	4914	2.0	1.2	.04	.07
160.00	1510.00	2850	5436	4038	1.5	0.6	.04	.03
255.00	1455.00	2750	4950	3320	1.2	0.2	.04	.04
350.00	1415.00	2650	5070	5404	1.2	1.4	.03	.04
440.00	1385.00	2550	7818	5404	2.8	1.4	.06	.03
540.00	1355.00	2450	4428	5580	0.9	1.5	.03	.03
630.00	1330.00	2350	4694	5416	1.0	1.4	.05	.04
740.00	1310.00	2250	4462	5006	0.9	1.2	.05	.04
840.00	1280.00	2150	4396	3256	0.9	0.2	.03	.04
930.00	1265.00	2050	3448	5402	0.3	2.0	.03	.04
1030.00	1240.00	1950	4824	6434	1.1	2.0	.04	.05
1140.00	1210.00	1850	4442	7386	0.9	2.6	.05	.05
1230.00	1190.00	1750	5378	4936	1.4	1.2	.03	.04
1315.00	1155.00	1650	6014	5704	1.8	1.6	.04	.03
1410.00	1130.00	1550	4446	5024	0.9	1.2	.04	.03
1505.00	1105.00	1450	4060	4830	0.7	1.1	.04	.04
1600.00	1070.00	1350	4780	5564	1.1	1.5	.03	.04
1690.00	1030.00	1250	5662	5060	1.6	1.2	.04	.05
1775.00	980.00	1150	5228	4992	1.3	1.2	.01	.04
1850.00	920.00	1050	5030	5190	1.2	1.3	.04	.03
1930.00	860.00	950	5740	5192	1.6	1.3	.04	.04
2010.00	810.00	850	5160	5160	1.7	1.3	.03	.04
2060.00	715.00	750	5172	6730	1.3	2.2	.04	.05
2120.00	635.00	650	5112	6098	1.3	1.8		
2165.00	540.00	550	5242	5824	1.3	1.7	.04	.04
2200.00	450.00	450	6554	5392	2.1	1.4	.03	.04
2220.00	350.00	350	4626	5350	1.0	1.4	.03	.06
2230.00	250.00	250	5524	5248	1.5	1.3	.04	.04
2250.00	145.00	150	5356	5392	1.4	1.4	.04	.04
2260.00	-140.00	-140	4782	6374	1.1	2.0	.04	.05
2260.00	50.00	50	5372	5090	1.4	1.3	.02	.03

*Readins under water

Table 8
Radionuclide Concentration in Standing Trench Water Samples

Concentration (pCi/l +/-2sigma)

Coordinates		Radium-226		Thorium-232		Total Uranium	
SiteX(R)	SiteY(S)	Dissolved	Suspended	Dissolved	Suspended	Dissolved	Comment
2100.00	510.00	9.0+/-3.0	0.6+/-0.2	<0.4	<0.8	-	32S*
2100.00	0.00	4.0+/-1.0	0.2+/-0.1	<0.2	<0.8	-	33S*
760.00	525.00	4.0+/-2.0	0.3+/-0.1	<0.2	<0.1	-	34S*
280.00	320.00	<0.2	3.0+/-1.0	<0.4	0.5+/-0.3	-	35S*
640.00	380.00	2.0+/-1.0	2.0+/-1.0	<0.3	<0.1	-	37T**
800.00	460.00	1.0+/-0.3	3.0+/-1.0	0.4+/-0.3	<0.2	-	36T**
715.00	420.00	-	-	-	-	163	1T**
820.00	480.00	-	-	-	-	140	2T**
900.00	500.00	-	-	-	-	667	3T**
1000.00	520.00	-	-	-	-	2033	4T**
1100.00	520.00	-	-	-	-	2067	5T**
1200.00	500.00	-	-	-	-	12	6T**
1640.00	460.00	-	-	-	-	4	7T**
1700.00	560.00	-	-	-	-	14	9T**
1800.00	420.00	-	-	-	-	140	8T**
1900.00	520.00	-	-	-	-	4	10T**

*S=Standing Water Samples
**T=Trench Water Samples

Table 7
Radionuclide Concentration in Surface Water at Coldwater Creek

Coordinates		Distance	Concentrations (pCi/l +/- 2Sigma)					
			Radium-226		Thorium-232		Uranium-238	
SiteX(R)	SiteY(S)	Downstream Ft	Dissolved	Suspended	Dissolved	Suspended	Dissolved	Suspended
2260.00	-140.00	-140	0.4+/-0.1	0.2+/-0.1	0.8+/-0.8	<0.1	7	<5
2260.00	50.00	50	<0.09	0.7+/-0.3	<1	<0.1	3.3	<5
2250.00	145.00	150	0.3+/-0.1	0.7+/-0.2	<2	<0.1	<5	<5
2230.00	250.00	250	<0.09	0.6+/-0.3	<1	<0.1	<5	<5
2220.00	350.00	350	0.1+/-0.04	0.8+/-0.3	<1	<0.1	<5	<5
2120.00	635.00	650	0.1+/-0.06	1.0+/-0.5	<1	<0.1	4.3	<5
1930.00	860.00	950	0.1+/-0.06	0.5+/-0.3	<2	<0.1	4.3	<5
1690.00	1030.00	1250	0.1+/-0.06	<0.7	<1	<0.1	4.0	<5
1410.00	1130.00	1550	2.0+/-0.5	1.0+/-0.4	<1	0.2+/-0.1	8.3	<5
1140.00	1210.00	1850	<0.1	<0.6	<1	<0.1	6.7	<5
840.00	1280.00	2150	0.6+/-0.2	0.2+/-0.1	<1	0.2+/-0.1	5.7	<5
540.00	1355.00	2450	0.2+/-0.06	5.0+/-1.4	<2	<0.1	6.7	<5
255.00	1455.00	2750	02.+/-0.07	2.0+/-0.4	<1	0.4+/-0.2	6.3	<5

Table 9
Radionuclide Concentrations in Vegetation Samples

Coordinates SiteX(R)	SiteY(S)	Concentration in pCi/g Radium-226	Thorium-232	Uranium-238	Sample Wgt.(gm)
150.00	320.00				
1800.00	350.00				
1020.00	530.00				
Composite		.01	.0004	.04	530
160.00	025.00				
2160.00	320.00				
Composite		.02	.002	.04	248
480.00	180.00	.008	.003	.02	74
1050.00	530.00	<.04	<.07	.16	4

TABLE 10

PIC READINGS

SLAPSS Characterization (June, 1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates Site X(R)	SiteY(S)	Pic uR/hr
-400	0	10.8
-400	100	11.1
-400	200	8.6
-300	0	11.4
-300	100	10.8
-300	200	10.7
-300	600	10.4
-200	0	13.7
-200	100	10.2
-100	0	12.6
-100	100	10.0
0	0	18.3
0	100	10.1
0	320	10.1
0	400	10.8
0	500	9.5
100	0	11.8
100	100	11.9
100	200	10.6
100	300	10.9
100	400	10.8
100	500	9.8
200	0	13.5
200	100	10.6
200	200	12.0
200	300	10.0
200	400	9.7
300	100	9.6
300	200	12.2
300	300	10.7
300	360	10.7
300	450	10.3
400	100	10.5
400	200	10.6
400	300	17.7
400	400	11.5
400	500	10.5
400	600	10.7
500	200	11.3
500	300	16.3
500	400	14.0
500	600	10.4
600	300	11.7
600	400	87.1
600	500	12.6
600	600	11.6
700	300	10.6
700	400	15.6

TABLE 10

PIC READINGS

SLAPSS Characterization (June, 1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates		Pic
Site X(R)	SiteY(S)	uR/hr
700	500	18.8
700	600	14.1
800	400	16.3
800	500	80.7
800	560	20.3
800	650	17.1
800	700	12.6
900	400	42.3
900	500	78.7
900	600	38.8
900	650	16.5
900	700	13.7
1000	500	113.8
1000	600	30.8
1000	660	15.1
1000	700	12.6
1100	500	72.4
1100	600	37.3
1100	660	15.0
1100	700	12.1
1200	400	19.1
1200	500	33.2
1200	560	23.5
1200	650	13.6
1200	700	12.4
1300	400	19.7
1300	500	31.1
1300	520	29.1
1300	640	13.5
1300	700	10.7
1400	400	14.7
1400	500	28.7
1400	600	34.3
1400	700	10.8
1500	400	17.8
1500	500	28.1
1500	600	51.4
1500	700	11.1
1600	300	10.2
1600	400	28.2
1600	500	15.9
1600	600	21.5
1600	700	10.8
1700	300	9.2
1700	400	13.9
1700	460	13.0
1700	540	19.2
1700	600	14.8

TABLE 10

PIC READINGS

SLAPSS Characterization (June, 1982) Eberline Field and Laboratory Data FUSRAP (WBS.134) Job 571F221

Coordinates Site X(R)	SiteY(S)	Pic uR/hr
1800	300	13.9
1800	400	15.1
1800	510	20.1
1800	600	11.8
1850	550	64.6
1900	300	21.2
1900	400	20.9
1900	500	17.3
1900	600	10.9
2000	300	16.9
2000	400	18.6
2000	500	16.7
2000	600	10.6
2100	300	10.0
2100	400	13.1
2100	500	12.8
2100	600	10.1
2200	300	13.2
2200	400	10.7
2200	500	8.2
2200	600	10.4