
FINAL
TECHNICAL MEMORANDUM
SUBAREA 5B, ROUND 1, SOIL SAMPLE RESULTS
SANTA SUSANA FIELD LABORATORY SITE
AREA IV RADIOLOGICAL STUDY

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1.0 INTRODUCTION

HydroGeoLogic, Inc. (HGL) is conducting a comprehensive radiological characterization study of Area IV and the Northern Buffer Zone at the Santa Susana Field Laboratory (SSFL) site in Ventura County, California. This work is being executed under U.S. Environmental Protection Agency (USEPA) Region 7 Architect and Engineering Services Contract EP-S7-05-05, Task Order 0038, Amendment 3. The technical lead on the project is USEPA Region 9.

As part of the radiological study, surface and subsurface soil samples were collected from locations identified from geophysical surveys, gamma scanning, and findings of the Historical Site Assessment. Sampling efforts in the study area were divided into Subareas. This Technical Memorandum documents the soil sampling activities, analytical results, and conclusions of the Subarea 5B round 1 soil sampling. The primary objective of the Subarea 5B soil sampling effort was to evaluate the nature of potential radionuclide contamination in soil that may have resulted from past nuclear operations. This objective was achieved through the collection and analysis of surface, subsurface, and drainage soil samples.

The overall approach for identifying soil sample locations was to identify potential sample locations from the lines of evidence listed above, prepare a Field Sampling Plan (FSP) Addendum for the subarea, then present the FSP and review and finalize proposed locations with USEPA's SSFL Technical Stakeholder Workgroup.

2.0 SOIL SAMPLING ACTIVITIES

2.1 Soil Sample Location Placement and Utility Clearance

A total of 434 surface, subsurface, drainage, and storm drain samples were proposed in the Subarea 5B Addendum to the FSP for Soil Sampling (HGL, 2011a) for round 1 sampling. Table 1 summarizes the proposed samples and lists the samples actually collected. Figure 1 illustrates soil sample locations both proposed and collected. Deviations from the FSP for Soil Sampling are discussed below.

The proposed sampling locations were discussed during a technical review meeting held on November 19, 2010, with members of USEPA's SSFL Technical Stakeholder Workgroup consisting of representatives of Department of Energy (DOE), the State of California Department of Toxic Substances Control (DTSC), The Boeing Company, USEPA, and the community.

After the locations were finalized with the Stakeholder Workgroup, proposed sampling locations were marked in the field using an SPS 852 handheld Trimble global positioning system (GPS) and magnetic survey spikes. Before sampling activities commenced, utility clearances were performed at each location by Underground Service Alert (Dig Alert) and a private utility locator.

2.2 Sample Collection

Surface soil and samples collected from drainageways were collected using a stainless steel trowel or shovel. Subsurface samples were collected using a Geoprobe 6600 Series direct-push technology unit or a hand auger. Soil samples were collected in accordance with the Final FSP for Soil Sampling (HGL, 2012a). A total of 466 surface, subsurface, drainageway, and storm drain soil samples were collected within Subarea 5B from December 8, 2010, to October 19, 2011.

2.3 Deviations from the Field Sampling Plan Addendum

Table 2 summarizes the deviations from the FSP and the reason the planned activity was not completed. Soil samples were not collected from a total of 53 locations for reasons described below.

Surface soil samples were not collected from Locations 269, 270, and 271 because they are located within archaeological zones where no soil disturbance is permitted.

Subsurface samples were not collected from 53 locations because they were either located within a Likely Remediation zone, a Decontamination and Decommissioning zone, an archaeological zone or encountered shallow refusal.

No subsurface samples were collected at Locations 218, 220, 222, and 305 because they were located within Likely Chemical Remediation Zone (LCRZ). USEPA understands that most, if

not all, soil may be excavated and removed from areas identified as LCRZs. Therefore, samples that were originally located within these zones were not collected.

In accordance with the USEPA's role under the Administrative Order on Consent for Remedial Action (DTSC, 2010) agreement between DTSC and DOE for the SSFL site, and subject to additional external funding, USEPA will conduct verification soil sampling post Decontamination and Decommissioning activities to verify that site remediation goals have been achieved at all such remediation zones.

Of the 53 locations where subsurface samples were not collected, 22 locations were within the former Building 4010 footprint (SNAP 2 Experimental Reactor Building) and associated support structures. On January 13, 2011 an inconsistency was noted between the location of the former Building 4010 footprint presented in the Subarea 5B Addendum and the Building 4010 footprint presented in the Group 6 RFI Documents (Montgomery Watson Harza, 2006). Further investigation indicated that the footprint in the Subarea 5B Addendum was not correct. Subsequently, the former Building 4010 footprint was corrected using data from the "Gold Standard" database supplied by CH2M Hill. The planned subsurface soil samples were not collected within the incorrect former Building 4010 footprint.

After a thorough evaluation of the analytical results it was determined that these deviations from the FSP were unavoidable and do not adversely impact the data quality objectives established for the project.

2.4 Soil Boring Summary

A total of 252 soil borings were advanced during the soil investigation within Subarea 5B. Forty-seven of the soil borings were advanced to the proposed depth of 10 feet below ground surface (bgs) as described in the Subarea 5B FSP Addendum (HGL, 2011a). One hundred and eighteen of the borings could only be advanced to a depth between 5.0 and 10.0 feet bgs, and 87 borings could only be advanced to a depth between 1.0 and 5.0 feet bgs. Refusal was encountered before reaching the proposed depth of 10.0 feet bgs in 203 of the borings. In 16 of the 203 borings, refusal was encountered due to rubble present in the fill material, and in 187 of the borings refusal was encountered due to bedrock.

Soil samples were classified and described in accordance with the FSP for Soil Sampling (HGL, 2012a). The soil types most commonly observed while conducting a visual description of each soil sample were sand, silty sand, silt, sandy clay, silty clay, and clay.

A total of 176 locations encountered fill material in all or a portion of the boring. The average thickness of the fill material encountered was 4.9 feet. The fill material consisted of soils that exhibited a mottled texture and frequently contained anthropogenic material such as concrete, asphalt, or glass. Native soil was encountered below fill material in 79 of the 176 borings. A total of 138 borings consisted of only native soil with an average thickness of 3.9 feet. A summary of the Boring Log information is presented in Table A.1 and the boring logs are provided in Attachment 2.

3.0 ROUND 1 SOIL ANALYTICAL RESULTS

Analyses of soil samples were conducted in accordance with the Final Quality Assurance Project Plan (QAPP) for Soil Sampling (HGL, 2012b). All soil samples were tested for the default suite of analytes presented in Table 2.3 of the FSP for Soil Sampling (HGL, 2012a). In addition to the default analytes, soil samples collected in the vicinity of the Buildings 4010, 4012, 4013, 4019, and 4025 also were tested for the site-specific analytes carbon (C)-14, tritium (H-3), Nickel (Ni)-59, Ni-63 and technetium (Tc)-99 in accordance with the rationale presented in Table 2.3 of the FSP for Soil Sampling (HGL, 2012a). In addition, soil samples collected in the 17th Street Drainage were tested for the site-specific analytes C-14, Ni-59, Ni-63 and Tc-99, along with the default analytes.

3.1 Radiological Trigger Levels

Analytical results were compared to the radiological trigger levels (RTL) established specifically for the Area IV Santa Susana Field Laboratory Radiological Study. RTLs are reference soil concentrations for the radionuclides of concern for the Radiological Study. Analytical results below each RTL are considered uncontaminated or non-actionable, and conversely results that exceed RTL are actionable and may represent contamination, particularly for man-made radionuclides. The process used to derive the RTLs is presented in the Technical Memorandum Radiological Trigger Levels (HGL, 2011b), and is briefly summarized below.

The SSFL Radiological Background Study developed Background Threshold Values (BTV) which are upper concentration limits of radionuclide of concern from offsite samples. These were calculated from 149 samples. For a single sample, in many instances the laboratory minimum detectable concentrations (MDC) are greater than the respective BTV. Hence, the RTLs were formed from the greater of BTV or MDC values plus an additional method uncertainty (for comparison of individual sample results to the RTL). An RTL exceedance is then greater than locally determined background concentrations.

3.2 Analytical Results

A total of 466 samples were collected during the Subarea 5B, round 1 soil sampling event. All of the soil samples collected were analyzed for the SSFL default suite as listed in Table 2.3 of the FSP for Soil Sampling (HGL, 2012a). In addition, select soil samples were also analyzed for H-3, C-14, Ni-59, Ni-63 and Tc-99. Twelve of the 466 soil samples contained radionuclide activity at or above the respective RTL. Results are summarized below:

- Two surface soil samples collected in the vicinity of the former Building 4010 footprint contained radionuclide concentrations exceeding RTLs (Figure 2). The surface soil sample collected from Location 316 (sample identification 20695), contained strontium (Sr)-90 at a concentration of 0.563 picocuries per gram (pCi/g), which exceeds the RTL of 0.485 pCi/g. Location 316 is located 10 feet north of the former septic line associated with former Building 4010 (Figure 2). The surface soil sample collected from sample Location 332 (sample identification 20701), contained europium (Eu)-152

at a concentration of 0.0780 pCi/g, which exceeds the RTL of 0.0566 pCi/g. Location 332 is located approximately 20 feet northwest of the former 4010 footprint, within the former underground holdup tank excavation (Figure 2).

- Ten surface soil samples collected within the 17th Street Drainage area contained cesium (Cs)-137 at activities greater than the RTL of 0.207 pCi/g (Figure 3). Cesium-137 concentrations ranged from 0.213 pCi/g in the surface soil sample (sample identification 20455) collected from Location 211 to 0.911 pCi/g in the surface soil sample (sample identification 20473) collected from Location 224. The 17th Street drainage area is located in the southern portion of Subarea 5B and has historically received surface water run-off from the Radioactive Material Handling Facility (RMHF).

Table 3 presents the sample location, sample type, radionuclide concentration, and technical justification for collecting additional soil samples. Figure 1 presents the locations of all the soil samples collected during round 1. Figures 2, 3 and 4 present the locations, radionuclides, and concentrations detected above the RTLs. A summary of the analytical results is provided in Table A.2.

4.0 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

In addition to the environmental samples collected, quality control samples were collected as described in the QAPP (HGL, 2012b). The results of the quality control samples collected and their affect on data usability are described in the following subsections.

4.1 Field Duplicates

Field duplicate soil samples were collected at a frequency of 1 per 20 samples (5 percent). A total of 23 field duplicate soil samples were collected during the round 1 sampling event. Field duplicate evaluation criterion includes an additional 1σ uncertainty factor of 10 percent to allow for inhomogeneity of co-located, but non-homogenized, field samples. Sample results that are rejected for laboratory quality reasons are not included in this assessment. The original results for Subarea 5B included several analytes which were removed from consideration, and thus were not evaluated. A duplicate Z-score comparison (Z_{DUP}), as defined in the QAPP (HGL, 2012b) is performed on each paired set of analytes for which parent and duplicate data are reported.

Round 1 field duplicate soil sample data includes 2,346 results from 1,173 sample/duplicate pairs. Of those, any results that were rejected by data validation were removed from consideration. In addition, analytes that are simply inferred from previously reported results, such as barium-137m (Ba-137m), which are inferred from the reported Cs-137 results, are considered redundant and have been removed from consideration, as well.

The Z_{DUP} evaluation of the remaining 951 qualified pairs follows:

- 872 results (91.7 percent) were within the expected 95 percent confidence interval for this evaluation, with Z_{DUP} less than 1.96;

- 45 results (4.7 percent) were between the 95 percent and 99 percent confidence interval with Z_{DUP} at or above 1.96, but below 2.58;
- 34 results (3.6 percent) exceeded the 99 percent confidence interval, with Z_{DUP} values at or above 2.58.

A careful review of the 95 percent and 99 percent Z_{DUP} exceedances, a total of 79 excursions, indicates that the significant majority, 64 excursions, are either direct measurements of naturally occurring radionuclides, or are man-made radionuclides for which the quantification may be subject to spectral interference and a measurable high bias by those same naturally occurring radionuclides. These biases are discussed in detail in the individual validation reports and are denoted by “SK” qualifiers routinely associated with those analytes. The assessment of these excursions shows a reasonably consistent ratio of activity for each sample analyte, as compared to the corresponding analyte in the associated field duplicate sample. While this strongly indicates a degree of heterogeneity in naturally occurring radionuclides in the field that has not otherwise been accounted for in the assessment, the frequency and magnitude of the Z_{DUP} excursions are not believed to indicate significant concerns regarding the quality or usability of the data.

The remaining eleven Z_{DUP} excursions involved Z_{DUP} scores below 3.01. While this may indicate a degree of inhomogeneity in the field that has not otherwise been accounted for in the assessment, as discussed above, or a small underestimate in the laboratory’s reported uncertainty values, the frequency and magnitude of the Z_{DUP} excursions are not believed to indicate significant concerns regarding the quality or usability of the data. A summary of the parent and associated duplicate sample results is provided in Table A.3.

4.2 Equipment Rinsate and Source Water Blanks

One equipment rinsate blank was collected for each type of sampling equipment used per field team per day. Equipment rinsate blanks were collected in accordance with the FSP for Soil Sampling (HGL, 2012a) and the QAPP (HGL, 2012b). A total of 77 rinsate and 77 source water samples were collected during the Subarea 5B sampling event. Each sample was tested for isotopic uranium, as a surrogate indicator of cross-contamination. The laboratory’s reported results for thorium-231 are inferred directly from the reported uranium (U)-235 results. Those redundant evaluations, as well as any results that are rejected for laboratory quality reasons, have been removed from consideration, as in the evaluation of field duplicate samples, above. Rinsate and source water samples were also analyzed for H-3 if it was included in the analytical suite for samples collected that day. This quality assurance/quality control assessment is performed on validated results approved by the project and recorded in the project database as of April 27, 2012. Subsequent modifications to the approved data or the project database may not be reflected in this assessment.

Subarea 5B round 1 soil equipment rinsate and source water sample data contains 533 total results, which include 265 data pairs evaluated by Z-score duplicate comparison. The data includes three unpaired results for isotopic uranium analysis in equipment rinsate sample R0144. While there is no accompanying analysis of the source water, those rinsate water

results are all below the associated critical level (L_c), and are non-detects, with no indication of sample cross-contamination from the sampling equipment. The Z_{DUP} comparison of the rinsate water activity to the source water activity in the remaining data pairs is summarized below.

- 256 results (96.6 percent) were within the expected 95 percent confidence interval for this evaluation, with Z_{DUP} less than 1.96;
- Eight results (3.0 percent) were between the 95 percent and 99 percent confidence interval with Z_{DUP} at or above 1.96, but below 2.58;
- One result (0.4 percent) exceeded the 99 percent confidence interval, with Z_{DUP} values at or above 2.58.

As with the field duplicates, the Z_{DUP} statistical test predicts that approximately 4 percent of reported Z_{DUP} scores will be in the range between 1.96 and 2.58. The eight results in that warning range are well within the expected rate.

The single Z_{DUP} result that exceeds 2.58, at 2.60 is due to reported activity in the source water analysis, but without corresponding activity in the post-decontamination rinsate water analysis, indicating that there is no cross-contamination risk in the corresponding samples. It is noted that the slightly elevated source water result is related to reported U-233/234 activity, which is attributable to a specific known uncertainty in the laboratory's analytical methodology, which does not measurably affect the quality of the associated soil sample results.

The overall evaluation of equipment blank results indicates that the decontamination of the field sampling equipment is acceptable and that there is no evidence of sample cross-contamination from the sampling equipment that would adversely affect the quality or usability of the reported field sample data. A summary of the rinsate and source water blank analytical results are provided in Table A.4.

5.0 SUMMARY OF FINDINGS

Radionuclide concentrations exceeding RTLs were reported in 12 of the 480 soil samples collected in Subarea 5B. Two surface soil samples collected in the vicinity of the former Building 4010 footprint contained radionuclide concentrations exceeding RTLs (Figure 2). The surface soil sample collected from Location 316 contained Sr-90 at a concentration of 0.563 pCi/g. The surface soil sample collected from Location 332 contained Eu-152 at a concentration of 0.0780 pCi/g. The 10 surface soil samples associated with the elevated Cs-137 results were all located within the 17th Street drainage (Figure 3). Cesium-137 concentrations ranged from 0.213 pCi/g to 0.911 pCi/g. Additional soil samples will be collected in the vicinity of these round 1 soil sample locations during the round 2 soil sampling activities. The Subarea 5B, Round 2 Addendum to the Final FSP for Soil Sampling (HGL, 2012c) was prepared describing the proposed step-out soil sampling locations, analytical testing, and technical justification for the additional sampling.

6.0 REFERENCES

- Department of Toxic Substances Control, 2010. Administrative Order On Consent For Remedial Action, Santa Susana Field Laboratory, Simi Hills, Ventura County, California. December.
- HydroGeoLogic, Inc., 2011a. Subarea 5B Addendum to Field Sampling Plan for Soil Sampling, Area IV Radiological Study, Santa Susana Field Laboratory Ventura County, California. March.
- HydroGeoLogic, Inc., 2011b. Technical Memorandum, Radiological Trigger Levels, Santa Susana Field Laboratory, Area IV Radiological Study. December.
- HydroGeoLogic, Inc., 2012a. Final Field Sampling Plan for Soil Sampling, Area IV Radiological Study, Santa Susana Field Laboratory Ventura County, California. March.
- HydroGeoLogic, Inc., 2012b. Final Quality Assurance Project Plan for Soil Sampling, Revision 1, Area IV Radiological Study, Santa Susana Field Laboratory, Ventura County, California. March.
- HydroGeoLogic, Inc., 2012c. Subarea 5B Round 2 Addendum to Final Field Sampling Plan for Soil Sampling, Area IV Radiological Study, Santa Susana Field Laboratory Ventura County, California. March.

LIST OF TABLES

- | | |
|---------|--|
| Table 1 | Summary of Planned and Collected Samples by Group |
| Table 2 | Summary of Samples Not Collected |
| Table 3 | Analytical Results Exceeding Radiological Trigger Levels |

LIST OF FIGURES

- | | |
|----------|---|
| Figure 1 | Sample Locations |
| Figure 2 | Former Building 4010 Sample Locations |
| Figure 3 | 17 th Street Drainage Sample Locations |

LIST OF ATTACHMENTS

- | | |
|--------------|-------------|
| Attachment 1 | Tables |
| Attachment 2 | Boring Logs |

TABLES

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Table 1
Summary of Planned and Collected Samples by Group
Subarea 5B, Round 1

Group	Drainage		Surface		Subsurface		Total	
	Planned	Collected	Planned	Collected	Planned	Collected	Planned	Collected
1	3	3	51	70	71	78	125	151
2	1	1	12	15	23	23	36	39
3	1	1	11	11	15	13	27	25
4	0	0	9	10	15	15	24	25
5	0	0	3	5	7	9	10	14
6	9	9	19	20	25	26	53	55
7	4	4	8	8	18	17	30	29
8	11	11	46	49	72	68	129	128
Total	29	29	159	188	246	249	434	466

Table 2
Summary of Samples Not Collected
Subarea 5B, Round 1

Sample Location	Sample Identification	Sample Type	Justification
5B-00001	20002	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00001	20634	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00002	20004	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00002	20627	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00003	20005	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00003	20628	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00004	20007	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00005	20009	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00005	20635	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00007	20013	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00007	20637	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00008	20015	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00008	20638	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00009	20017	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00009	20639	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00010	20019	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00010	20640	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00011	20021	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00011	20595	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00012	20024	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00012	20641	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00013	20025	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.

Table 2
Summary of Samples Not Collected
Subarea 5B, Round 1

Sample Location	Sample Identification	Sample Type	Justification
5B-00019	20602	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00020	20036	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00020	20603	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00077	20188	Subsurface	Shallow refusal, no sample collected.
5B-00079	20192	Subsurface	Location on concrete, could not access Decontamination and Decommissioning zone.
5B-00218	20462	Subsurface	Location removed, 17th Street Drainage Likely Remediation Zone.
5B-00220	20465	Subsurface	Location removed, 17th Street Drainage Likely Remediation Zone.
5B-00222	20468	Subsurface	Location removed, 17th Street Drainage Likely Remediation Zone.
5B-00229	20643	Subsurface	Shallow refusal on bedrock.
5B-00230	20644	Subsurface	Shallow refusal on bedrock.
5B-00231	20087	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00231	20631	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00264	20364	Subsurface	Shallow refusal, no sample collected.
5B-00269	20482	Surface	Archeological zone, no soil disturbance, no sample collected.
5B-00269	20483	Subsurface	Archeological zone, no soil disturbance, no sample collected.
5B-00270	20484	Surface	Archeological zone, no soil disturbance, no sample collected.
5B-00270	20485	Subsurface	Archeological zone, no soil disturbance, no sample collected.
5B-00271	20486	Surface	Archeological zone, no soil disturbance, no sample collected.
5B-00271	20487	Subsurface	Archeological zone, no soil disturbance, no sample collected.
5B-00291	20103	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00291	20636	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00292	20106	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.

Table 2
Summary of Samples Not Collected
Subarea 5B, Round 1

Sample Location	Sample Identification	Sample Type	Justification
5B-00292	20642	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00305	20509	Subsurface	Location removed, 17th Street Drainage Likely Remediation Zone.
5B-00306	20119	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00306	20596	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00309	20125	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00309	20632	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00310	20127	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00310	20633	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00311	20129	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00311	20629	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00312	20132	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00312	20630	Subsurface	Location in former Building 4010 footprint, updated footprint produced a new footprint location.
5B-00313	20682	Subsurface	Shallow refusal on bedrock.
5B-00314	20685	Subsurface	Shallow refusal on bedrock.
5B-00315	20675	Subsurface	Shallow refusal on bedrock.
5B-00316	20697	Subsurface	Shallow refusal on bedrock.
5B-00317	20672	Subsurface	Shallow refusal on bedrock.
5B-00318	20669	Subsurface	Shallow refusal on bedrock.
5B-00319	20694	Subsurface	Shallow refusal on bedrock.
5B-00323	20658	Subsurface	Shallow refusal on bedrock.
5B-00324	20666	Subsurface	Shallow refusal on bedrock.
5B-00325	20663	Subsurface	Shallow refusal on bedrock.

Table 2
Summary of Samples Not Collected
Subarea 5B, Round 1

Sample Location	Sample Identification	Sample Type	Justification
5B-00327	20678	Subsurface	Shallow refusal on bedrock.
5B-00328	20647	Subsurface	Shallow refusal on bedrock.
5B-00329	20709	Subsurface	Shallow refusal on bedrock.
5B-00330	20706	Subsurface	Shallow refusal on bedrock.
5B-00331	20653	Subsurface	Shallow refusal on bedrock.
5B-00332	20703	Subsurface	Shallow refusal on bedrock.
5B-00333	20650	Subsurface	Shallow refusal on bedrock.
5B-00334	20687	Subsurface	Shallow refusal on bedrock.
5B-00334	20688	Subsurface	Shallow refusal on bedrock.
5B-00335	20700	Subsurface	Shallow refusal on bedrock.

Table 3
Analytical Results Exceeding Radiological Trigger Levels
Subarea 5B, Round 1

Sample Location	Sample Identification	Sample Depth (ft bgs)	Radionuclide Detected	Activity	RTL	Associated Line Of Evidence	Step-out Justification
5B-00316	20695	0 - 0.5	Sr-90	0.563	0.485	Former septic line within 10 feet of location 316.	Potential radionuclide contamination from former septic line and analytical results exceed RTLs for Sr-90 in surface soil sample at Round 1 Location 316.
5B-00332	20701	0 - 0.5	Eu-152	0.0780	0.0566	Former underground holdup tank.	Potential radionuclide contamination from former underground holdup tank and analytical results exceed RTLs for Eu-152 in surface soil sample at Round 1 Location 332.
5B-00211	20455	0 - 0.5	Cs-137	0.213	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 211.
5B-00212	20456	0 - 0.5	Cs-137	0.252	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 212.
5B-00214	20458	0 - 0.5	Cs-137	0.522	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 214.
5B-00218	20463	0 - 0.5	Cs-137	0.294	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 218
5B-00219	20464	0 - 0.5	Cs-137	0.444	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 219.

Table 3
Analytical Results Exceeding Radiological Trigger Levels
Subarea 5B, Round 1

Sample Location	Sample Identification	Sample Depth (ft bgs)	Radionuclide Detected	Activity	RTL	Associated Line Of Evidence	Step-out Justification
5B-00221	20467	0 - 0.5	Cs-137	0.626	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 221.
5B-00222	20469	0 - 0.5	Cs-137	0.623	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 222.
5B-00223	20471	0 - 0.5	Cs-137	0.813	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 223.
5B-00224	20473	0 - 0.5	Cs-137	0.911	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 224.
5B-00225	20475	0 - 0.5	Cs-137	0.313	0.207	Area has historically receives surface water run-off from the RMHF.	Potential radionuclide contamination from surface water run-off and analytical results exceed RTLs for Cs-137 in surface soil sample at Round 1 Location 225.

Notes:

Refer to Table 2.1 of the Final Field Sampling Plan for Soil Sampling (HGL, 2012a) for a definition of radionuclide symbols.

Reporting units in picocuries per gram.

bgs - below ground surface

ft - feet

RMHF - radioactive materials handling facility

RTL - radiological trigger level

FIGURES

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Figure 1
Sample Locations
Subarea 5B, Round 1
Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

Soil Sample Locations

- Drainage
- Subsurface
- Surface Subsurface

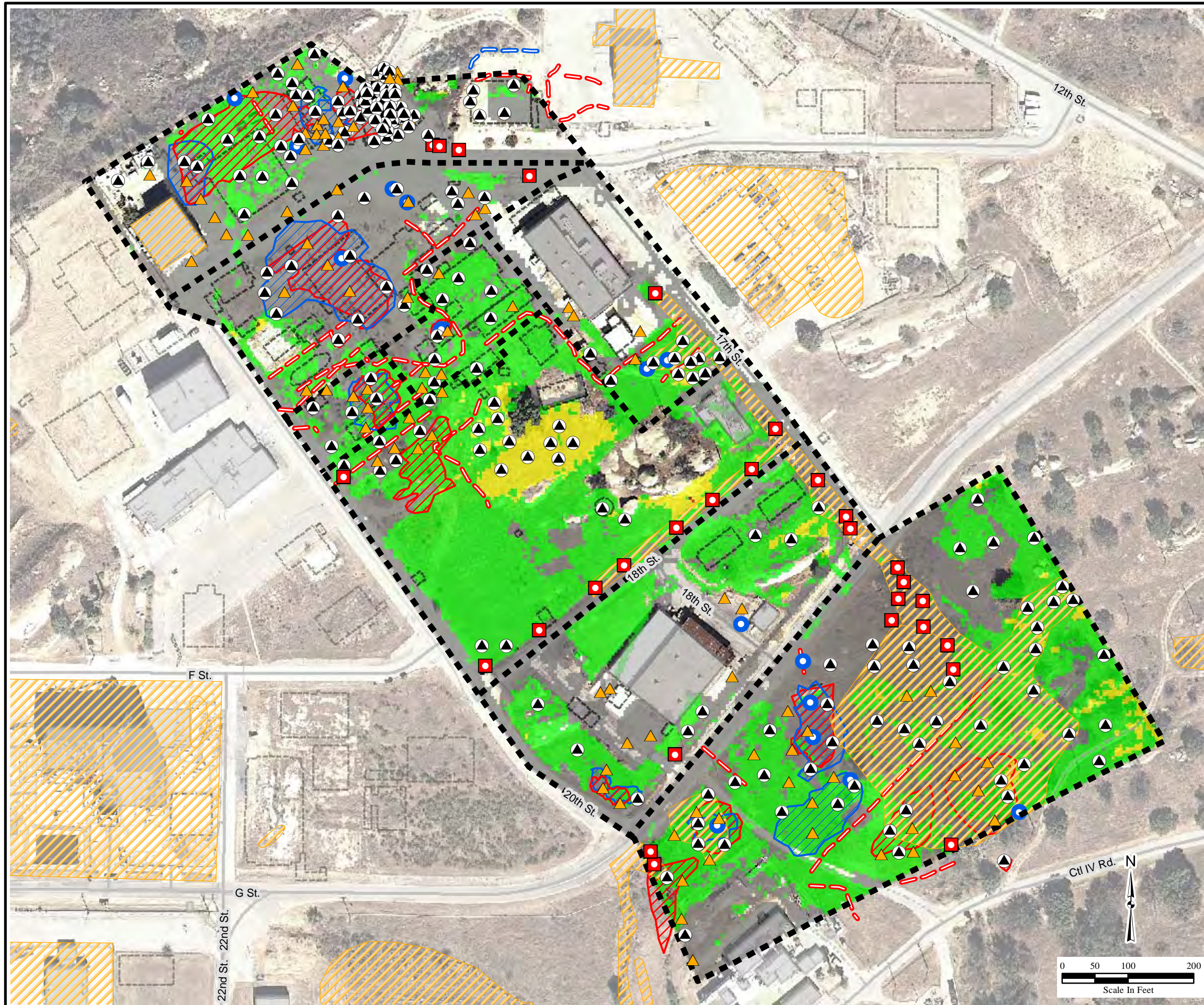
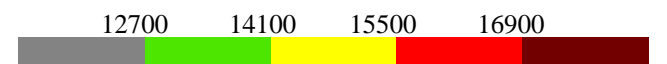
5B Groups

- 5B Groups
- Chemical Likely Remediation Zones

Geophysical Anomalies

- Terrain Conductivity
- Magnetometer
- Linear Magnetometer Anomaly
- Linear Terrain Conductivity Anomaly
- Point Source Magnetometer Anomaly

Gamma Total Count (counts per second)



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(Fig1)5B_Round1_Overview.mxd
5/2/2012 pbillock
Source:HGL 2010, CIRGIS 2007



Figure 2
Former Building 4010 Sample Locations
Subarea 5B, Round 1
Santa Susana Field Laboratory

U.S. EPA Region 9



Legend

- Exceed RTLs
- ▲ Subsurface
- ▲ Surface Subsurface
- Subarea Boundary
- Chemical Likely Remediation Zone
- Geophysical Anomalies**
- Terrain Conductivity
- Magnetometer
- Point Source Magnetometer Anomaly
- Demolished Building
- 145 Location ID

Gamma Total Count (standard deviations)



Note:

RTL - Radiological Trigger Level
ID - Identification
ft - Feet
All data reported in picocuries per gram

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5/2/2012 pbillock
Source:HGL 2010, CIRGIS 2007

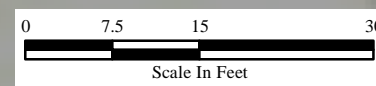
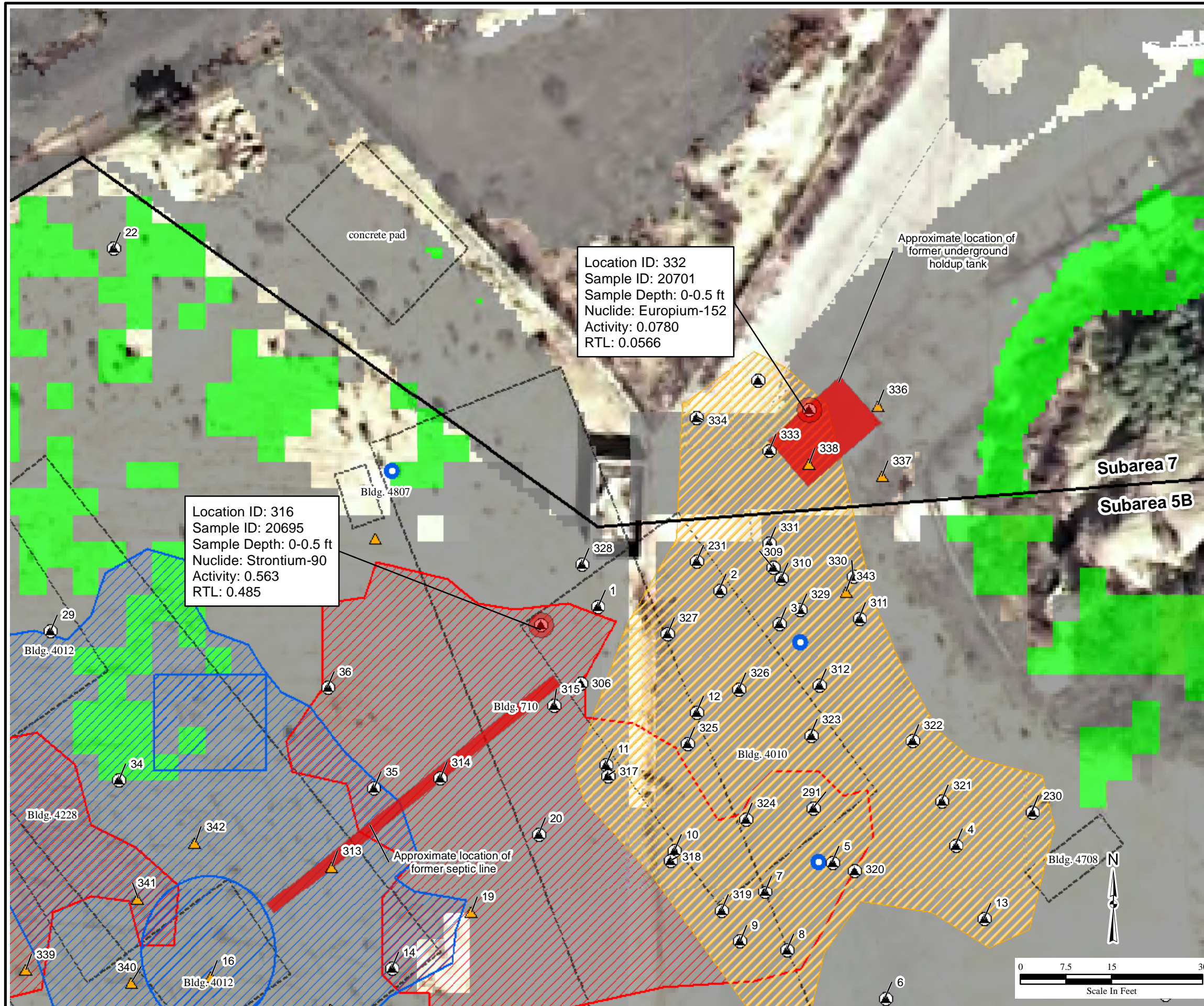


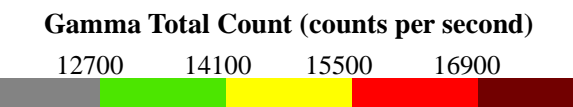
Figure 3
17th Street Drainage Sample Locations
Subarea 5B, Round 1
Santa Susana Field Laboratory

U.S. EPA Region 9



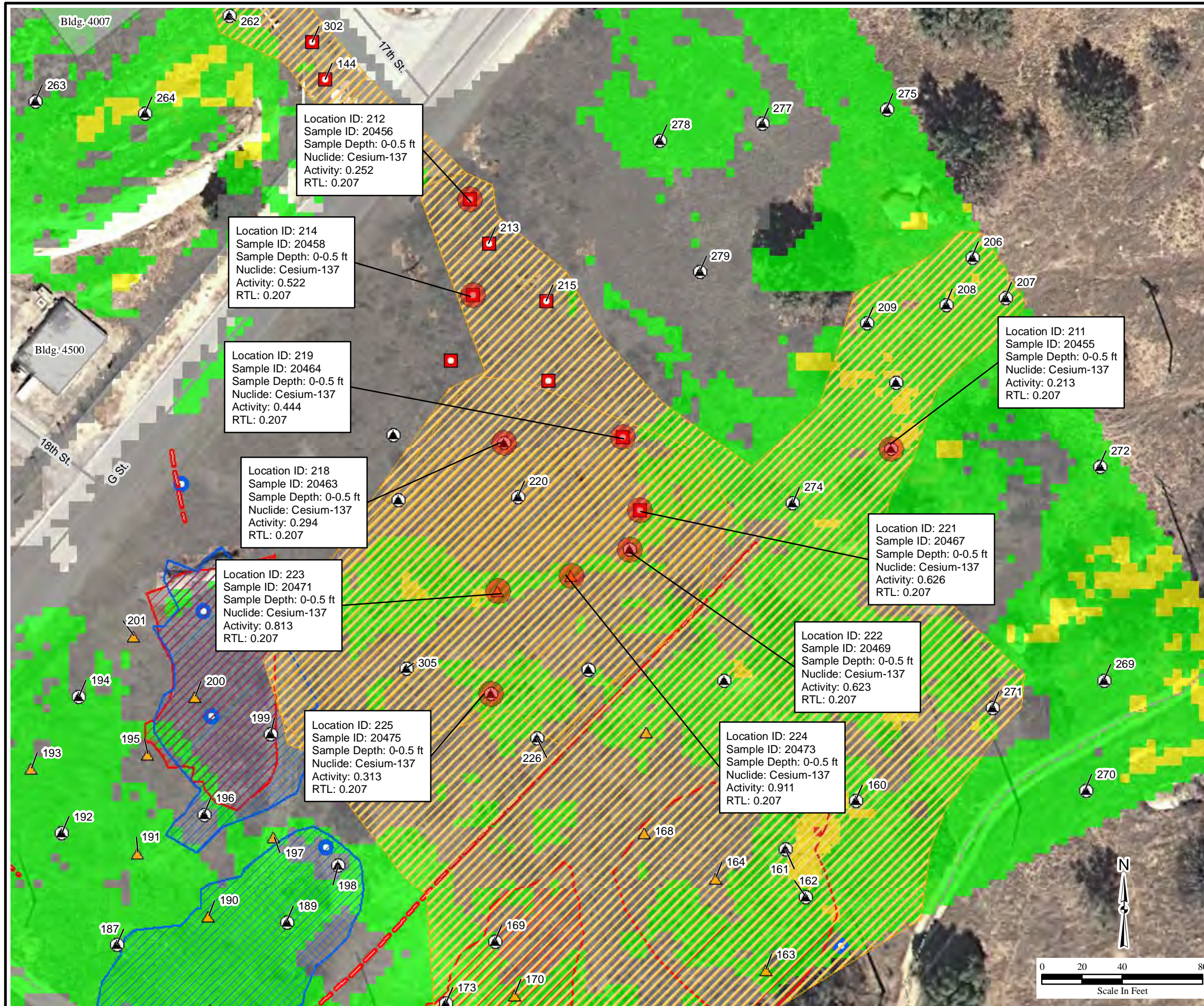
Legend

- Exceed RTLs
- Drainage
- ▲ Subsurface
- ▲ Surface Subsurface
- Chemical Likely Remediation Zone
- Geophysical Anomalies**
- Terrain Conductivity
- Magnetometer
- Linear Terrain Conductivity Anomaly
- Point Source Magnetometer Anomaly
- 145 Location ID



Notes:
RTL - Radiological Trigger Level
ID - Identification
ft - Feet
All data reported in picocuries per gram

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(Fig3)5B_Round2_17thStDrainage.mxd
5/2/2012 pbbilock
Source:HGL 2010, CIRGIS 2007



ATTACHMENT 1

Tables

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LIST OF ATTACHMENT TABLES

Table A.1	Boring Log Summary
Table A.2	Analytical Results Summary
Table A.3	Parent and Field Duplicate Results Summary
Table A.4	Rinsate and Source Comparison Summary

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Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00001	0-0.5	NA	SM	0.5	NA	Fill material	1907990.826	6346403.910
5B-00002	0-0.5	NA	SP	0.5	NA	Fill material	1907993.473	6346423.775
5B-00003	0-0.5	NA	SM	0.5	NA	Fill material	1907988.006	6346433.663
5B-00004	0-0.5	NA	SM	0.5	NA	Fill material	1907951.651	6346462.675
5B-00005	0-0.5	NA	SM	0.5	NA	Fill material	1907948.823	6346442.403
5B-00006	0-0.5	1-5	SM/SP	6	6	Refusal on fill material	1907926.501	6346451.111
5B-00007	0-0.5	NA	SP	0.5	NA	Fill material	1907943.927	6346431.285
5B-00008	0-0.5	NA	SW	0.5	NA	Fill material	1907934.379	6346434.895
5B-00009	0-0.5	NA	SM	0.5	NA	Fill material	1907935.829	6346427.198
5B-00010	0-0.5	NA	ML	0.5	NA	Fill material	1907950.766	6346416.422
5B-00011	0-0.5	NA	SM	0.5	NA	Fill material	1907964.856	6346405.187
5B-00012	0-0.5	NA	ML	0.5	NA	Fill material	1907973.485	6346420.059
5B-00013	0-0.5	NA	SP	0.5	NA	Fill material	1907939.487	6346467.375
5B-00014	0-0.5	3-5	ML/SM/ML	7	7	Fill to 4.75 ft	1907931.443	6346369.938
5B-00015	NA	3-5	SM/SC/CL/SM/SP	7.5	7.5	Fill to 7.0 ft	1907924.781	6346359.966
5B-00016	NA	3-5	SM/SW/SC/CL/SP	10	NA	Fill material	1907930.137	6346340.256
5B-00017	0-0.5	3-5	SM/SC/CL/SP	10	NA	Fill material	1907918.324	6346346.772
5B-00018	0-0.5	3-5	SP/SC/SM/ML/SM	10	NA	Fill material	1907912.103	6346360.179
5B-00019	NA	3-5	SC/ML/SP	5	5	Refusal on sandstone bedrock	1907940.630	6346383.051

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00020	0-0.5	NA	SM	0.5	NA	Fill material	1907953.471	6346394.074
5B-00021	NA	3-5	SM/SC/SM/SC	10	NA	Fill material	1907913.109	6346337.969
5B-00022	0-0.5	1-3	SC/SW/SP	3	3	Possible refusal on sandstone	1908049.619	6346324.176
5B-00023	NA	1-1.8	SC/SW/SP	1.8	1.8	Possible refusal on sandstone	1908035.855	6346297.832
5B-00024	0-0.5	1-5	SM/SC/SW/SC	10	NA	Fill material	1908019.507	6346268.145
5B-00025	NA	1-5	SM/ML/MH/SC	10	NA	Fill material	1907992.664	6346230.171
5B-00026	0-0.5	1-5	ML/SM/CL	10	NA	Fill material	1907951.173	6346162.220
5B-00027	0.9-1.4	1-5	SP/ML/SM/CL/SM	9	9	Fill material	1907857.520	6346025.737
5B-00028	NA	1-2	SM/SP	2	2	Refusal on sandstone bedrock	1907867.125	6346073.967
5B-00029	0-0.5	1-5	SP/SM/SC/CL	10	NA	Fill material	1907986.854	6346313.807
5B-00030	NA	1-5	SM/SW/SC/CL	10	NA	Fill material	1907972.212	6346291.688
5B-00031	0-0.5	1-5	SC/CL/SM/SP	10	NA	Fill material	1908005.522	6346290.161
5B-00032	0-0.5	1-5/10-15	SM/ML /CL/ML	15	NA	Fill material	1907920.838	6346300.090
5B-00033	NA	1-5/10-15	SP/ML/CL/SP	15	NA	Fill material	1907906.207	6346310.515
5B-00034	0-0.5	1-5	SP/SC/SW/CL	9	9	Refusal on fill material	1907962.331	6346325.069
5B-00035	0-0.5	1-5	ML/SP	8	8	Refusal on sandstone bedrock	1907961.063	6346367.075
5B-00036	0-0.5	1-5	ML/SM/SC	7.5	7.5	Refusal on fill material	1907977.494	6346359.332
5B-00037	NA	1-4.5	ML/SP	4.5	4.5	Refusal on sandstone bedrock	1908002.063	6346367.365
5B-00038	0-0.5	NA	SM	0.5	NA	Target depth was reached	1907958.164	6346265.073

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00039	0-0.5	1-5	SM/ML/CL	10	NA	Fill material	1907919.301	6346191.767
5B-00040	NA	1-5	SP/ML/SM/CL/SP	10	NA	Fill material	1907857.934	6346129.770
5B-00041	NA	1-5	SP/ML/SM/CL	9	9	Refusal fill material	1907830.912	6346151.241
5B-00042	NA	1-5	SP/ML/SM/CL	10	NA	Fill material	1907802.615	6346172.804
5B-00043	NA	1-5	SP/ML/SM/CL	7	7	Refusal fill material	1907776.711	6346190.554
5B-00044	NA	1-5	SP/SM/ML	8.5	8.5	Refusal fill material	1907736.150	6346136.866
5B-00045	NA	1-4	ML/SM	4	4	Refusal on sandstone bedrock	1907776.238	6346223.095
5B-00046	NA	1-5	ML/SM	10	NA	Target depth was reached	1907811.847	6346282.239
5B-00047	NA	1-5	SP/ML/SM	6	6	Refusal on sandstone bedrock	1907845.579	6346358.196
5B-00048	0-0.5	1-5	SM/SW/ML	10	NA	Fill to 5.25 ft	1907994.169	6346565.595
5B-00049	0-0.5	1-5	SW/SM/CL	10	NA	Fill material	1907960.172	6346612.759
5B-00050	NA	1-4	SM/SP	4	4	Fill to 3 ft, refusal on sandstone bedrock	1907681.656	6346465.750
5B-00051	0-0.5	1-4	SM/SP	4	4	Fill to 3 ft, refusal on sandstone bedrock	1907669.380	6346460.575
5B-00052	NA	0.2-2	ML/SW	2	2	Refusal on sandstone bedrock	1907540.633	6346311.803
5B-00053	NA	0.3-2.8	ML/SM	2.8	2.8	Fill to 2.8 ft, refusal on sandstone bedrock	1907541.631	6346342.188
5B-00054	0-0.5	1-4	ML/SW	4	4	Fill to 3 ft, refusal on sandstone bedrock	1907513.611	6346321.781
5B-00055	NA	1-5	ML/SW/SM	9.5	9.5	Fill to 2.75 ft, refusal on sandstone bedrock	1907762.866	6346312.572
5B-00056	NA	1-5	ML/SM	10	NA	Fill material	1907730.376	6346343.828
5B-00057	0-0.5	0.2-2	ML/SP	2	2	Refusal on sandstone bedrock	1907728.095	6346289.101

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00058	NA	1-5	ML/SP/SM	6	6	Fill to 5 ft, refusal on sandstone bedrock	1907690.261	6346278.505
5B-00059	0-0.5	1-5	ML/SM	9.5	9.5	Refusal fill material	1907743.541	6346377.624
5B-00060	NA	1-5	ML/SM/CL	10	NA	Fill to 6 ft	1907691.501	6346377.507
5B-00061	0-0.5	1-4.5	ML/SM	4.5	4.5	Refusal fill material	1907696.803	6346433.766
5B-00062	0-0.5	1-5	CL/ML/SM	10	NA	Fill material	1907647.017	6346389.383
5B-00063	NA	1-4	ML/SM	4	4	Refusal on sandstone bedrock	1907826.311	6346466.623
5B-00064	0-0.5	1-2	ML/SM/SP	2	2	Refusal on sandstone bedrock	1907844.628	6346449.474
5B-00065	0-0.5	1-5	ML/SM/SP/SM	10	NA	Fill material	1907822.440	6346542.213
5B-00066	NA	1-4	SP/SM/ML	4	4	Refusal on sandstone bedrock	1907816.297	6346583.203
5B-00067	0-0.5	1-4.5	SP/SM/ML	4.5	4.5	Refusal on sandstone bedrock	1907832.587	6346582.537
5B-00068	NA	1-4	ML/SM	4	4	Refusal on siltstone bedrock	1907840.406	6346557.504
5B-00069	NA	1-4	SM/SP	4	4	Refusal on sandstone bedrock	1907807.268	6346569.058
5B-00070	0-0.5	1-3.5	ML/SM	3.5	3.5	Refusal on sandstone bedrock	1907841.432	6346532.624
5B-00071	0-0.5	1-3	SM/SP/SC	3	3	Refusal on sandstone bedrock	1907582.212	6346838.700
5B-00072	0-0.5	1-5	SM/ML	5	5	Refusal on sandstone bedrock	1907588.714	6346871.240
5B-00073	0-0.5	1-5	ML/CL	5	5	Refusal on siltstone bedrock	1907583.205	6346895.483
5B-00074	0-0.5	1-5	ML/CL	8	8	Refusal on sandstone bedrock	1907588.515	6346908.065
5B-00075	0-0.5	1-2.5	SP/ML	2.5	2.5	Refusal on siltstone bedrock	1907565.097	6346917.320
5B-00076	0-0.5	1-2	SP/ML	2	2	Refusal on sandstone bedrock	1907559.103	6346898.688

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00077	0-0.5	NA	SP	1.5	1.5	Refusal on sandstone bedrock	1907564.836	6346877.116
5B-00078	0-0.5	1-5	ML/CL/SM	7	7	Refusal on sandstone bedrock	1907590.475	6346939.615
5B-00079	NA	NA				Did not sample under concrete	--	--
5B-00080	NA	1-2	SM/ML/SP	2	2	Refusal on sandstone bedrock	1907588.591	6346811.491
5B-00081	NA	3-5	SM/ML/SP	7	7	Possible refusal on sandstone	1907654.396	6346717.950
5B-00082	NA	3-5	SM/ML/CL/SP	8	8	Possible refusal on sandstone	1907667.128	6346710.081
5B-00083	0-0.5	1-5	ML/siltstone	7	7	Refusal on siltstone bedrock	1907595.987	6346743.432
5B-00084	0-0.5	1-2	ML/SP	2	2	Refusal on sandstone bedrock	1907554.646	6346774.172
5B-00085	0-0.5	1-4	ML/SM/SP	4	4	Refusal on sandstone bedrock	1907587.228	6346506.996
5B-00086	0-0.5	1-5	SM/SP	5	5	Possible refusal on sandstone	1907678.251	6346518.371
5B-00087	0-0.5	1-4	ML/SP/SM	4	4	Possible refusal on sandstone, fill to 3 ft	1907622.741	6346511.227
5B-00088	NA	1-4	ML/SM/SP	4	4	Possible refusal on sandstone, fill to 3 ft	1907631.068	6346526.047
5B-00089	0-0.5	1-5	SM/SP/ML	5	5	Refusal on sandstone bedrock, fill to 3 ft	1907722.509	6346495.359
5B-00090	NA	1-3.5	ML	3.5	3.5	Refusal on sandstone bedrock, fill to 3 ft	1907718.866	6346513.016
5B-00091	0-0.5	1-5	SM/SP	6	6	Possible refusal on sandstone, fill to 5.5 ft	1907710.102	6346542.979
5B-00092	0-0.5	1-5	ML/SP/SM	5.5	5.5	Possible refusal on sandstone, fill to 3.5 ft	1907690.641	6346593.018
5B-00093	NA	1-4	ML/SP	4	4	Possible refusal on sandstone	1907568.951	6346492.760
5B-00094	NA	1-5	ML/SW	6.5	6.5	Possible refusal on sandstone, fill to 1.25 ft	1907565.200	6346516.966
5B-00095	0-0.5	1-5	ML/SP	6.5	6.5	Possible refusal on sandstone, fill to 4 ft	1907552.053	6346506.293

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00096	NA	1-3	ML/SM/SW	3	3	Possible refusal on sandstone	1907544.542	6346487.751
5B-00097	NA	3-5	ML/SW	8	8	Possible refusal on sandstone	1907538.566	6346517.885
5B-00098	0-0.5	3-5	SM/ML/SW	6.5	6.5	Possible refusal on sandstone, fill to 5.5 ft	1907525.052	6346499.099
5B-00099	NA	3-5	SM/CL/ML/SP	5	5	Possible refusal on sandstone	1907499.248	6346468.539
5B-00100	0-0.5	3-5	SM/ML/SP	5	5	Possible refusal on sandstone	1907462.090	6346422.481
5B-00101	0-0.5	3-5	ML/SM/SW	8.5	8.5	Possible refusal on sandstone, fill to 5 ft	1907425.830	6346368.521
5B-00102	0-0.5	0.3-2.3	SW	2.3	2.3	Refusal on sandstone bedrock	1907573.012	6346570.629
5B-00103	0-0.5	1-5	ML/SM	10	NA	Fill material	1907649.586	6346591.971
5B-00104	NA	1-5	SM/ML	10	NA	Fill material	1907668.333	6346625.505
5B-00105	0-0.5	1-5	SM/ML/SP	5	5	Possible refusal on sandstone	1907558.259	6346409.359
5B-00106	NA	1-5	SM/CL/SP	6	6	Possible refusal on sandstone	1907542.767	6346404.413
5B-00107	NA	1-5	SP/SM/ML	7	7	Refusal on siltstone bedrock, fill to 5 ft	1907532.305	6346382.827
5B-00108	0-0.5	1-5	SM/ML	5	5	Possible refusal on sandstone	1907527.202	6346418.258
5B-00109	0-0.5	1-5	ML/SM/SW	7	7	Possible refusal on sandstone, fill to 4.5 ft	1907506.357	6346381.132
5B-00110	NA	1-5	SM/ML	5	5	Possible refusal on sandstone, fill to 1.5 ft	1907514.317	6346404.866
5B-00111	NA	1-5	SM/SP	10	NA	Fill to 9 ft	1907484.437	6346401.582
5B-00112	NA	3-5	ML/SM/SC	5	5	Refusal on silty sand	1907433.967	6346419.511
5B-00113	NA	3-5	SM/GP/GW	8.5	8.5	Refusal fill material	1907453.795	6346446.000
5B-00114	0-0.5	3-5	ML	5.5	5.5	Refusal fill material	1907477.785	6346484.407

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00115	NA	3-5	ML	6	6	Refusal fill material	1907472.439	6346502.807
5B-00116	NA	3-5	ML	5.5	5.5	Refusal fill material	1907452.635	6346481.357
5B-00117	0-0.5	3-5	ML/SP	6	6	Possible refusal sandstone, fill to 4 ft	1907433.766	6346447.873
5B-00118	0-0.5	3-5	ML/SM/SW/CL	9	9	Refusal on Clay, fill to 4.5 ft	1907417.380	6346423.525
5B-00119	0-0.5	1-4	ML/SP	4	4	Refusal sandstone	1907520.716	6346597.508
5B-00120	0-0.5	1-4.3	SP/ML	4.3	4.3	Possible refusal on sandstone, fill to 1 ft	1907496.603	6346602.224
5B-00121	0-0.5	1-5	SM/ML	10	NA	Target depth was reached	1907480.974	6346573.649
5B-00122	0-0.5	1-3	ML	3	3	Refusal siltstone	1907449.298	6346575.742
5B-00123	0-0.5	0.25-2.5	SM/SP	2.5	2.5	Refusal sandstone	1907462.083	6346620.418
5B-00124	0-0.5	1-5	ML	8.5	8.5	Refusal siltstone, fill to 5 ft	1907419.470	6346608.076
5B-00125	0-0.5	1-5	ML/SM/SP	5	5	Refusal on sandstone bedrock	1907485.931	6346696.104
5B-00126	0-0.5	1-3	ML/SM/ML	3	3	Refusal siltstone	1907459.945	6346716.827
5B-00127	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00128	0-0.5	1-5	ML	5	5	Possible refusal on sandstone	1907439.140	6346648.266
5B-00129	0-0.5	1-3	ML/SM	3	3	Refusal siltstone	1907435.535	6346694.941
5B-00130	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00131	0-0.5	NA	SM	0.5	NA	Drainage sample	1907176.385	6346665.449
5B-00132	0-0.5	NA	SM	0.5	NA	Drainage sample	1907241.044	6346750.997
5B-00133	0-0.5	NA	SM	0.5	NA	Drainage sample	1907275.369	6346794.615

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00134	0-0.5	NA	SM	0.5	NA	Drainage sample	1907332.187	6346874.011
5B-00135	0-0.5	NA	SM	0.5	NA	Drainage sample	1907374.199	6346928.515
5B-00136	0-0.5	NA	SM	0.5	NA	Drainage sample	1907482.094	6347024.241
5B-00137	0-0.5	NA	ML	0.5	NA	Drainage sample	1907904.070	6346543.647
5B-00138	0-0.5	NA	SM	0.5	NA	Drainage sample	1907865.342	6346650.778
5B-00139	0-0.5	NA	ML	0.5	NA	Drainage sample	1907687.303	6346841.962
5B-00140	0.5-1	NA	SM	0.5	NA	Drainage sample, top 0.5 ft is cobbles	1907408.735	6346368.047
5B-00141	0-0.5	NA	ML	0.5	NA	Drainage sample	1907122.679	6346583.455
5B-00142	0-0.5	1-2.5	SM/SW	2.5	2.5	Refusal on sandstone bedrock	1907361.126	6346761.468
5B-00143	0-0.5	1-2.5	SM/SW	2.5	2.5	Refusal on sandstone bedrock	1907344.145	6346795.505
5B-00144	0-0.5	NA	SM	0.5	NA	Drainage sample	1907331.050	6347137.835
5B-00145	NA	1-5	ML/SM	7	7	Refusal on sandstone bedrock	1907082.986	6346758.493
5B-00146	NA	1-5	SM	7	7	Fill material, refusal sandstone	1907088.647	6346772.690
5B-00147	0-0.5	NA	SM	0.5	NA	Drainage sample	1906988.837	6346871.785
5B-00148	NA	1-5	ML/SW	5.5	5.5	Possible refusal sandstone, fill to 1 ft	1907106.924	6346958.717
5B-00149	0-0.5	1-4.5	SM/ML/SW	4.5	4.5	Possible refusal on sandstone	1907053.140	6346913.399
5B-00150	0-0.5	1-5	SM/ML/SW	5	5	Possible refusal on sandstone	1907023.152	6346891.172
5B-00151	NA	1-5	SM/SC/SP	8	8	Refusal fill material	1906938.115	6346762.406
5B-00152	NA	1-5	SM/SC	10	10	Fill material	1906915.489	6346788.393

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00153	0-0.5	1-5	SM/SP/SC	7.25	7.25	Refusal fill material	1906920.942	6346814.981
5B-00154	NA	1-5	SM/SP/SC	6	6	Refusal fill material	1906966.160	6346767.793
5B-00155	0-0.5	1-4.5	SM/SC/SP	4.5	4.5	Possible refusal on sandstone	1906995.830	6346723.468
5B-00156	0-0.5	1-5	ML/SM/SP	6	6	Possible refusal on sandstone	1907064.371	6346663.296
5B-00157	NA	1-5	SM/ML/SM	9	9	Possible refusal on sandstone	1907017.607	6346834.758
5B-00158	NA	1-5	ML/CL/SM	6.5	6.5	Refusal on sandstone bedrock	1907006.821	6346798.913
5B-00159	0-0.5	1-5	SM/SC	9	9	Possible refusal on sandstone	1906827.122	6347371.362
5B-00160	0-0.5	1-5	ML/SM	5	5	Possible refusal on sandstone	1906973.146	6347401.763
5B-00161	0-0.5	1-5	ML/SM	5	5	Refusal on sandstone, fill to 3 ft	1906948.950	6347366.579
5B-00162	0-0.5	1-5	ML/SC	5	5	Refusal on sandstone	1906925.284	6347376.841
5B-00163	NA	1-4.5	ML/SM	4.5	4.5	Refusal on sandstone	1906889.031	6347356.937
5B-00164	NA	1-5	SM/ML/SM	5	5	Refusal on sandstone	1906934.879	6347332.171
5B-00165	NA	1-5	SM/ML/SC	6	6	Refusal on sandstone	1906977.362	6347345.771
5B-00166	0-0.5	1-2.5	ML/SW	2.5	2.5	Refusal on sandstone	1907032.506	6347335.883
5B-00167	NA	1-2.5	ML/SW	2.5	2.5	Refusal on sandstone	1907007.181	6347297.416
5B-00168	NA	1-5	SM/ML/SC	6.5	6.5	Refusal on sandstone, fill to 2 ft	1906956.970	6347296.549
5B-00169	0-0.5	1-2.5	SM/SP	2.5	2.5	Refusal on sandstone	1906903.083	6347222.171
5B-00170	NA	1-2	SM/SP	2	2	Refusal on sandstone	1906876.567	6347232.211
5B-00171	NA	1-2.8	SM/SP	2.8	2.8	Refusal on sandstone	1906841.985	6347233.427

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00172	0-0.5	1-3.5	SM/SP/SC	3.5	3.5	Refusal on sandstone	1906839.774	6347211.648
5B-00173	0-0.5	1-3	SM/SC/SP	3	3	Refusal on sandstone	1906872.321	6347197.822
5B-00174	NA	1-2.5	SM/SP/SC	2.5	2.5	Refusal on sandstone	1906837.233	6347184.979
5B-00175	NA	1-4.5	GM/ML/SW	4.5	4.5	Refusal on sandstone, fill to 1 ft	1906677.609	6346898.956
5B-00176	0-0.5	1-5	ML/SW	6.5	6.5	Possible refusal on sandstone	1906714.632	6346886.925
5B-00177	NA	1-5	ML/SW	7.5	7.5	Possible refusal on sandstone, fill to 5 ft	1906739.905	6346881.260
5B-00178	0-0.5	1-5	ML/SP	7.5	7.5	Refusal on sandstone	1906801.379	6346859.678
5B-00179	NA	1-5	ML/SM	8	8	Possible refusal on sandstone	1906797.453	6346883.127
5B-00180	NA	3-5	SM/ML/SM/GM	10	NA	Siltstone encountered	1906866.624	6346870.971
5B-00181	0-0.5	3-5	ML/SM/SP	6	6	Refusal on sandstone	1906852.603	6346906.692
5B-00182	NA	3-5	ML/SM/SW	7	7	Refusal on sandstone	1906829.673	6346924.263
5B-00183	0-0.5	3-5	ML/SM/SP	6.5	6.5	Refusal on sandstone	1906927.825	6346922.337
5B-00184	NA	3-4	ML	4	4	Refusal fill material (gravel fill)	1906891.985	6346938.507
5B-00185	NA	3-5	ML	5	5	Refusal on siltstone	1906901.691	6346904.066
5B-00186	0-0.5	1-5	SM/SC/SP	7	7	Refusal on clayey sand	1906946.585	6346962.824
5B-00187	0-0.5	1-4	SM/CL/SC/SP	4	4	Possible refusal on sandstone	1906901.318	6347034.093
5B-00188	NA	1-5	SM/SP	5	5	Refusal on sandstone	1906869.690	6347080.823
5B-00189	0-0.5	1-4	SM/CL/SP	4	4	Refusal on sandstone	1906912.671	6347118.508
5B-00190	NA	1-5	SM/SP/CL/SC	6	6	Refusal on sandstone	1906915.733	6347079.939

**Table A.1
Boring Log Summary
Subarea 5B, Round 1**

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00191	NA	1-4	SM/CL/SP	4	4	Refusal on sandstone	1906947.341	6347044.645
5B-00192	0-0.5	1-5	SM/SC/SP	7.5	7.5	Possible refusal on sandstone, fill to 2 ft	1906957.069	6347006.979
5B-00193	NA	1-5	SM/CL/SP	5	5	Possible refusal on sandstone	1906989.021	6346991.739
5B-00194	0-0.5	1-5	SM/SC/SP/SM	6	6	Possible refusal on sandstone	1907024.821	6347015.418
5B-00195	NA	1-5	SM/SC/SP/SM	6	6	Possible refusal on sandstone, fill 1 ft	1906996.072	6347049.674
5B-00196	0-0.5	1-5	SM/SC/CL/SP	6	6	Refusal on sandstone, fill to 2 ft	1906966.336	6347077.525
5B-00197	NA	1-5	SM/SC/SP	5.5	5.5	Refusal on sandstone, fill to 2 ft	1906954.929	6347112.408
5B-00198	0-0.5	1-5	SC/CL/SP	5	5	Refusal on sandstone, fill to 1.3 ft	1906940.997	6347144.250
5B-00199	0-0.5	1-5	SM/SC/CL/SP	7	7	Refusal on sandstone	1907006.255	6347110.755
5B-00200	NA	1-5	SM/SP/SM/SP	7.5	7.5	Refusal on sandstone	1907024.716	6347073.252
5B-00201	NA	1-5	SM/SP/SM/ML/SM	10	NA	Target depth was reached	1907054.773	6347042.784
5B-00202	0-0.5	1-5	SM/SC/SP/CL/SP	8	8	Refusal on sandstone, fill to 1.6 ft	1907064.112	6347103.153
5B-00203	0-0.5	3-5	ML/SM/ML	8.5	8.5	Refusal on siltstone	1906883.232	6346906.908
5B-00204	0-0.5	3-5	ML/SW	7	7	Possible refusal on sandstone, fill to 5.5 ft	1906851.407	6346947.239
5B-00205	0-0.5	1-3.5	SM/SC/SP	3.5	3.5	Refusal on sandstone	1907124.250	6347107.608
5B-00206	0-0.5	1-2.5	SM/SW	2.5	2.5	Refusal on sandstone	1907242.652	6347459.483
5B-00207	0-0.5	1-3.5	ML/SW	3.5	3.5	Refusal on sandstone	1907222.519	6347475.966
5B-00208	0-0.5	1-2	ML/SW	2	2	Refusal on sandstone	1907219.149	6347446.471
5B-00209	0-0.5	1-5	ML/SW/SC/SW	5	5	Refusal on sandstone	1907210.086	6347407.061

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00210	0-0.5	1-5	ML/SM/SW	5	5	Refusal on sandstone, fill to 1.5 ft	1907180.932	6347421.365
5B-00211	0-0.5	1-5	ML/SC/SW	7	7	Refusal on sandstone	1907147.769	6347419.216
5B-00212	0-0.5	NA	SP	0.5	NA	Drainage sample	1907271.407	6347209.506
5B-00213	0-0.5	NA	SM	0.5	NA	Drainage sample	1907249.564	6347219.024
5B-00214	0-0.5	NA	SP	0.5	NA	Drainage sample	1907224.389	6347210.937
5B-00215	0-0.5	NA	SM	0.5	NA	Drainage sample	1907221.037	6347247.640
5B-00216	0-0.5	NA	ML	0.5	NA	Drainage sample	1907191.710	6347200.328
5B-00217	0-0.5	NA	ML	0.5	NA	Drainage sample	1907181.845	6347248.824
5B-00218	0-0.5	NA	SP	0.5	NA	Target depth was reached	1907150.582	6347226.789
5B-00219	0-0.5	NA	SM	0.5	NA	Drainage sample	1907153.808	6347285.403
5B-00220	0-0.5	NA	ML	0.5	NA	Target depth was reached	1907123.785	6347233.552
5B-00221	0-0.5	NA	SM	0.5	NA	Drainage sample	1907117.051	6347294.010
5B-00222	0-0.5	NA	ML	0.5	NA	Target depth was reached	1907097.738	6347288.987
5B-00223	0-0.5	1-5	ML/SC/SM	6.5	6.5	Refusal on sandstone	1907077.273	6347223.602
5B-00224	0-0.5	1-5	ML/SC	6	6	Refusal on sandstone	1907084.659	6347259.977
5B-00225	0-0.5	1-3	ML	3	3	Refusal on sandstone	1907026.166	6347220.067
5B-00226	0-0.5	1-2.5	ML/SP/CL	2.5	2.5	Refusal on sandstone	1907004.351	6347242.936
5B-00227	0-0.5	1-3.5	SC/CL	3.5	3.5	Refusal on sandstone	1907038.256	6347268.819
5B-00228	0-0.5	NA	ML	0.5	NA	Target depth was reached	1908003.408	6346626.966

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00229	0-0.5	1-5	SC/SM/ML/SP	5	5	Refusal on sandstone, fill to 2.25 ft	1907927.146	6346497.060
5B-00230	0-0.5	1-3	SM/SC/SM	3	3	Possible refusal on sandstone, fill to 3 ft	1907957.142	6346475.208
5B-00231	0-0.5	NA	SW	0.5	NA	Target depth was reached	1907998.232	6346420.083
5B-00232	0-0.5	NA	ML	0.5	NA	Target depth was reached	1907831.837	6346399.744
5B-00233	0-0.5	NA	ML	0.5	NA	Target depth was reached	1907804.858	6346359.516
5B-00234	0-0.5	1-3.5	SP	3.5	3.5	Refusal on sandstone	1907616.656	6346359.999
5B-00235	0-0.5	1-2	SM	2	2	Refusal on sandstone	1907656.505	6346266.025
5B-00236	0-0.5	NA	ML	0.5	NA	Refusal on sandstone	1907762.584	6346560.412
5B-00237	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00238	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00239	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00240	0-0.5	1-5	ML/SP	10	NA	Fill material to 9.5 ft	1907455.203	6346350.039
5B-00241	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00242	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00243	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00244	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00245	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00246	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00247	NA	NA	NA	NA	NA	Location not sampled	--	--

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00248	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00249	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00250	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00251	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00252	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00253	0-0.5	1-4	ML	4	4	Refusal on sandstone	1907152.799	6346578.480
5B-00254	0-0.5	1-4.5	ML/SM	4.5	4.5	Refusal on sandstone	1907152.779	6346615.558
5B-00255	0-0.5	1-2.5	ML	2.5	2.5	Refusal on sandstone	1907154.611	6347171.502
5B-00256	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00257	0-0.5	NA	SM	0.5	NA	Drainage sample	1907420.604	6346988.038
5B-00258	NA	1-2	SM	2	2	Refusal on sandstone	1907226.315	6346946.866
5B-00259	NA	1-5	SM/SP	5	5	Possible refusal on sandstone	1907210.298	6346973.251
5B-00260	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00261	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00262	0-0.5	1-5	ML/SP	7.5	7.5	Refusal on sandstone	1907362.747	6347089.998
5B-00263	0-0.5	1-3	ML/GM	3	3	Refusal on sandstone	1907320.363	6346993.627
5B-00264	0-0.5	NA	ML/GM	1.25	NA	Refusal on siltstone, no subsurface sample	1907314.276	6347048.144
5B-00265	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00266	NA	NA	NA	NA	NA	Location not sampled	--	--

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00267	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00268	NA	NA	NA	NA	NA	Location not sampled	--	--
5B-00269	NA	NA	NA	NA	NA	Archeological zone, no soil disturbance	--	--
5B-00270	NA	NA	NA	NA	NA	Archeological zone, no soil disturbance	--	--
5B-00271	NA	NA	NA	NA	NA	Archeological zone, no soil disturbance	--	--
5B-00272	0-0.5	1-5	ML/SM	5	5	Possible refusal on sandstone	1907138.728	6347522.883
5B-00273	0-0.5	1-3	ML/SM/ML	3	3	Possible refusal on siltstone	1907084.711	6347415.951
5B-00274	0-0.5	1-5	ML/SM	5	5	Possible refusal on sandstone	1907120.698	6347370.259
5B-00275	0-0.5	1-5	ML	5	5	Possible refusal on sandstone	1907316.162	6347416.928
5B-00276	0-0.5	1-5	ML/SM/SW	5	5	Refusal on sandstone	1907374.751	6347331.345
5B-00277	0-0.5	1-3.5	ML	3.5	3.5	Refusal on sandstone	1907309.018	6347354.862
5B-00278	0-0.5	1-3	ML/SW	3	3	Refusal on sandstone	1907300.701	6347304.324
5B-00279	0-0.5	1-3.5	ML/SW	3.5	3.5	Refusal on sandstone	1907235.540	6347324.015
5B-00280	0-0.5	1-5	SM/ML/CL/SC/CL	10	NA	Fill material	1907924.419	6346239.914
5B-00281	0-0.5	1-5	SM/CL	10	NA	Fill material	1907878.685	6346145.938
5B-00282	0-0.5	1-5	SM/ML/SP	8	8	Fill material to 7.75 ft	1907806.970	6346217.318
5B-00283	0-0.5	1-5	SM/ML/CH/CL/SM	10	NA	Fill material	1907853.950	6346289.590
5B-00284	0-0.5	NA	SM	0.5	NA	Drainage sample	1906851.223	6347291.026
5B-00285	0-0.5	NA	SM	0.5	NA	Drainage sample	1906841.041	6346834.819

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00286	0-0.5	NA	SM	0.5	NA	Drainage sample	1906822.078	6346840.227
5B-00287	0-0.5	1-5	SM/ML/SM/ML	10	NA	Fill to 6.5 ft	1907978.008	6346560.796
5B-00288	0-0.5	NA	SP	0.5	NA	Fill material, subsurface sample not collected	1907955.993	6346575.106
5B-00289	0-0.5	NA	SW	0.5	NA	Fill material, drainage sample	1907910.223	6346514.270
5B-00290	0-0.5	NA	SP	0.5	NA	Fill material, drainage sample	1907912.115	6346503.956
5B-00291	0-0.5	NA	SW	0.5	NA	Fill material, subsurface sample not collected	1907957.700	6346439.292
5B-00292	0-0.5	NA	SM	0.5	NA	Fill material, subsurface sample not collected	1907923.343	6346434.515
5B-00293	0-0.5	NA	SM	0.5	NA	Fill material, subsurface sample not collected	1907917.469	6346414.340
5B-00294	0-0.5	1-5	SP/SM/CL	10	NA	Fill material	1907987.525	6346296.230
5B-00295	0-0.5	1-5	SM/ML/CL/CH/ SP/CL	10	NA	Fill material	1907864.822	6346210.474
5B-00296	0-0.5	1-5	SM/ML/SP/SM	10	NA	Fill material	1907862.879	6346244.969
5B-00297	0-0.5	1-5	SM/ML/CL/SP/CL	8	8	Fill material	1907885.859	6346126.442
5B-00298	0.1-0.6	1-5	SP/SM/ML/SP/ SM/SP	10	NA	Refusal on sandstone, fill to 9.5 ft	1907886.066	6346071.582
5B-00299	0-0.5	0.25-2	ML/SP	2	2	Refusal on sandstone	1907718.108	6346251.902
5B-00300	0-0.5	NA	ML	0.5	NA	No subsurface sample collected	1907687.803	6346248.388
5B-00301	0-0.5	1-5	ML/SM/CL	8.5	8.5	Possible refusal on sandstone	1907614.589	6346883.312
5B-00302	0-0.5	NA	SP/SM	0.5	NA	Drainage sample	1907349.475	6347131.265

**Table A.1
Boring Log Summary
Subarea 5B, Round 1**

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00303	0-0.5	NA	ML	0.5	NA	Drainage sample	1907403.940	6347088.727
5B-00304	0-0.5	1-4	ML/CL	4	4	Refusal on sandstone	1907121.839	6347174.192
5B-00305	0-0.5	NA	ML	0.5	NA	No subsurface sample collected	1907038.834	6347178.342
5B-00306	0-0.5	NA	SM	0.5	NA	No subsurface sample collected	1907978.170	6346400.999
5B-00307	0-0.5	1-5/10-15	SM/ML/SP/SC/ CL/CH	15	15	Fill material	1907910.111	6346273.263
5B-00308	0-0.5	1-5/10-15	SC/SW/SP/SM/SC	15	15	Fill material	1907893.875	6346287.556
5B-00309	0-0.5	NA	SW	0.5	NA	No subsurface sample collected	1907997.234	6346432.570
5B-00310	0-0.5	NA	SW	0.5	NA	No subsurface sample collected	1907995.344	6346433.967
5B-00311	0-0.5	NA	SW	0.5	NA	No subsurface sample collected	1907988.824	6346446.767
5B-00312	0-0.5	NA	SW	0.5	NA	No subsurface sample collected	1907977.952	6346440.292
5B-00313	NA	3-5	SM/CL/SP/SC/ SM/SP	10	NA	Fill material	1907948.193	6346360.082
5B-00314	0-0.5	3-5	SP/ML/SP/SC/SP	6.5	6.5	Fill material to 6 ft	1907962.684	6346377.917
5B-00315	0-0.5	1-4	SM/ML/SC/SM/SP	4	4	Fill material, refusal sandstone	1907974.622	6346396.642
5B-00316	0-0.5	3-5	SP/SM/CL/SM	5.5	5.5	Refusal on fill material	1907987.739	6346394.417
5B-00317	0-0.5	1-3.83	SM/ML/SC/SP	4.25	4.25	Refusal on sandstone, fill to 4 ft	1907963.095	6346405.527
5B-00318	0-0.5	1-3.5	SM/ML/SP/CL/ ML/SP	4	4	Refusal on sandstone, fill to 3.5 ft	1907949.132	6346415.806
5B-00319	0-0.5	1-5	SC/ML/SP	5	5	Refusal on sandstone, fill to 4.75 ft	1907940.885	6346424.161
5B-00320	0-0.5	1-5	SP/SW/CL/ML/SC/ SW	7.58	7.58	Refusal on sandstone, fill to 7.3 ft	1907947.524	6346445.971

Table A.1
Boring Log Summary
Subarea 5B, Round 1

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00321	0-0.5	1-4	SW/CL/SP/CL/SC/SP	4	4	Possible refusal on sandstone, fill to 4 ft	1907958.885	6346460.409
5B-00322	0-0.5	1-4	SM/SC/SW/SC/SP	4	4	Refusal on sandstone, fill to 3.92 ft	1907968.806	6346455.542
5B-00323	0-0.5	1-5	SP/SW/CL/ML/SM/SC/SP	12.25	12.25	Refusal on sandstone, fill to 11.5 ft	1907969.713	6346438.823
5B-00324	0-0.5	1-5	SP/ML/SC/ML/SP	9	9	Refusal on sandstone, fill to 7.25 ft	1907955.899	6346428.096
5B-00325	0-0.5	1-5	SP/SM/SC/SM/SP	5	5	Refusal on sandstone, fill to 4.83 ft	1907968.340	6346418.612
5B-00326	0-0.5	1-5/15-19.5	SM/SW/CL/SP/SC/ML/SW/SP	19.5	19.5	Refusal on sandstone, fill to 18.92 ft	1907977.318	6346427.038
5B-00327	0-0.5	1-5	SP/SC/SP/SC/CL/SP	5	5	Refusal on sandstone, fill to 5 ft	1907986.378	6346415.314
5B-00328	0-0.5	1-4.5	SM/ML	5	5	Refusal on sandstone, fill to 4.83 ft	1907997.759	6346401.239
5B-00329	0-0.5	1-5	SP/SW/SM/SP	5	5	Refusal on sandstone, fill to 4.16 ft	1907990.227	6346437.054
5B-00330	0-0.5	1-3	SP/SC/SP	3	3	Refusal on sandstone, fill to 2.92 ft	1907995.745	6346445.859
5B-00331	0-0.5	1-4	SM/ML/SW/SM/ SP	4	4	Refusal on sandstone, fill to 3.16 ft	1908001.241	6346431.943
5B-00332	0-0.5	1-5	SP/SC/SP/SC/SP	7	7	Possible refusal on sandstone, fill to 7 ft	1908023.273	6346438.497
5B-00333	0-0.5	1-5	SP/SC/SP	5	5	Possible refusal on sandstone, fill to 3.6 ft	1908016.465	6346432.001
5B-00334	0-0.5	NA	SM/SP	1	1	Refusal on sandstone, fill to 0.5 ft	1908021.948	6346420.100
5B-00335	0-0.5	1-3	SC/SP	3	3	Refusal on sandstone, fill to 2.3 ft	1908028.063	6346430.169
5B-00336	NA	1-5	SC/SP/SM/SP	5	5	Refusal on sandstone, fill to 4 ft	1908023.920	6346449.938
5B-00337	NA	1-3.83	SP/SC/SP	3.83	3.83	Refusal on sandstone, fill to 2.92 ft	1908012.209	6346450.610
5B-00338	NA	2.5-7.5	SM/ML/SW	8.16	8.16	Refusal on sandstone, fill to 7.75 ft	1908014.311	6346438.596

**Table A.1
Boring Log Summary
Subarea 5B, Round 1**

Sample Location	Surface Interval Collection (ft bgs)	Subsurface Interval Collection (ft bgs)	Soil Description	Total Depth (ft bgs)	Refusal Depth (ft bgs)	Notes/Comments	Northing ¹	Easting ¹
5B-00339	NA	3-5	SM/SP/SC/CL/SC	10	NA	Fill material	1907931.167	6346309.729
5B-00340	NA	3-5	SM/SC/CL	10	NA	Fill material	1907929.143	6346327.152
5B-00341	NA	3-5	SM/SC/CL	10	NA	Fill material	1907942.899	6346328.206
5B-00342	NA	3-5	SM/SC/CL	10	NA	Fill material	1907952.113	6346337.641
5B-00343	NA	1-4.33	SM/ML	4.3	4.3	Refusal on sandstone, fill to 3.25 ft	1907993.272	6346444.673

Notes:

¹Northing and easting measured using NAD83 SPZ5 US Feet

bgs - below ground surface

SP - poorly graded sand

CH - high plasticity clay

SW - well graded sand

CL - clay

ft - feet

GC - clayey gravels

GM - silty gravel

GP - poorly graded gravel

GW - well graded gravel

MH - inorganic silts

ML - silt

NA - not applicable

OH - organic clays and silts (high plasticity)

OL - organic silts and clays (low plasticity)

SC - clayey sand

SM - silty sand

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00001	20001	Ac-227	0.043 U	0.14	0.055	0.217	0.00 - 0.50
5B-00001	20001	Ac-228	1.06	0.085	0.039	2.4	0.00 - 0.50
5B-00001	20001	Am-241	0.0032	0.0047	0.0017	0.0454	0.00 - 0.50
5B-00001	20001	Bi-212	0.783	0.12	0.054	2.15	0.00 - 0.50
5B-00001	20001	Bi-214	0.739	0.029	0.029	1.59	0.00 - 0.50
5B-00001	20001	C-14	0.0213	0.031	0.0095	2.96	0.00 - 0.50
5B-00001	20001	Cd-113m	-0.3 U	40	12	3030	0.00 - 0.50
5B-00001	20001	Cm-243/244	-0.002 U	0.015	0.0042	0.0443	0.00 - 0.50
5B-00001	20001	Cm-245/246	0.0028 J	0.007	0.0022	0.0401	0.00 - 0.50
5B-00001	20001	Cm-247/248	-2E-04 U	0.0085	0.0016	0.0306	0.00 - 0.50
5B-00001	20001	Co-60	0.0016 U	0.017	0.0038	0.028	0.00 - 0.50
5B-00001	20001	Cs-134	-0.006 U	0.018	0.0036	0.0864	0.00 - 0.50
5B-00001	20001	Cs-137	0.0037 U	0.018	0.006	0.207	0.00 - 0.50
5B-00001	20001	Eu-152	-0.009 U	0.034	0.01	0.0566	0.00 - 0.50
5B-00001	20001	Eu-154	-0.033 U	0.11	0.033	0.15	0.00 - 0.50
5B-00001	20001	Eu-155	0.06 SK	0.033	0.013	0.231	0.00 - 0.50
5B-00001	20001	H-3	0.024 U	0.21	0.063	11.9	0.00 - 0.50
5B-00001	20001	Ho-166m	0.014 JSK	0.024	0.01	0.0432	0.00 - 0.50
5B-00001	20001	K-40	20.2	0.17	0.62	32.4	0.00 - 0.50
5B-00001	20001	Na-22	-0.008 U	0.027	0.0083	0.037	0.00 - 0.50
5B-00001	20001	Nb-94	0.0012 U	0.012	0.001	0.0214	0.00 - 0.50
5B-00001	20001	Ni-59	0 U	0.26	0.085	5.96	0.00 - 0.50
5B-00001	20001	Ni-63	-0.01 U	0.53	0.16	4.92	0.00 - 0.50
5B-00001	20001	Np-236	-0.001 U	0.028	0.0085	0.047	0.00 - 0.50
5B-00001	20001	Np-239	0.022 U	0.087	0.026	0.139	0.00 - 0.50
5B-00001	20001	Pa-231	-0.04 U	0.57	0.17	0.936	0.00 - 0.50
5B-00001	20001	Pb-212	1.32	0.026	0.055	2.69	0.00 - 0.50
5B-00001	20001	Pb-214	0.789	0.027	0.029	1.7	0.00 - 0.50
5B-00001	20001	Pu-236	0 U	0.0011	0.0005	7.79	0.00 - 0.50
5B-00001	20001	Pu-238	-8E-04 U	0.0045	0.0009	0.0415	0.00 - 0.50
5B-00001	20001	Pu-239/240	0.0008 U	0.0011	0.0006	0.0404	0.00 - 0.50
5B-00001	20001	Pu-244	0.0033	0.0011	0.0012	0.0313	0.00 - 0.50
5B-00001	20001	Sb-125	0.133 SK	0.04	0.012	0.354	0.00 - 0.50
5B-00001	20001	Sn-126	0.0037 U	0.016	0.0049	0.0237	0.00 - 0.50
5B-00001	20001	Sr-90	0.017 U	0.059	0.018	0.485	0.00 - 0.50
5B-00001	20001	Tc-99	-0.042 U	0.3	0.092	1.63	0.00 - 0.50
5B-00001	20001	Te-125m	0.0308 SK	0.0093	0.0029	0.0838	0.00 - 0.50
5B-00001	20001	Th-228	0.979 J	0.01	0.049	3.98	0.00 - 0.50
5B-00001	20001	Th-229	0.0054	0.0057	0.0024	0.145	0.00 - 0.50
5B-00001	20001	Th-230	0.721	0.008	0.038	2.2	0.00 - 0.50
5B-00001	20001	Th-232	0.95	0.002	0.048	3.1	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00001	20001	Th-234	0.475 R	0.15	0.051	3.19	0.00 - 0.50
5B-00001	20001	Tl-208	0.41	0.018	0.016	0.937	0.00 - 0.50
5B-00001	20001	Tm-171	-0.4 U J	5.5	1.6	72.4	0.00 - 0.50
5B-00001	20001	U-233/234	0.666	0.011	0.04	2.02	0.00 - 0.50
5B-00001	20001	U-235/236	0.0476	0.0039	0.0085	0.151	0.00 - 0.50
5B-00001	20001	U-238	0.655	0.003	0.039	1.8	0.00 - 0.50
5B-00002	20003	Ac-227	0.013 U	0.12	0.037	0.217	0.00 - 0.50
5B-00002	20003	Ac-228	1.24	0.065	0.065	2.4	0.00 - 0.50
5B-00002	20003	Am-241	0.0019	0.0045	0.0014	0.0454	0.00 - 0.50
5B-00002	20003	Bi-212	0.938	0.12	0.084	2.15	0.00 - 0.50
5B-00002	20003	Bi-214	0.794	0.02	0.042	1.59	0.00 - 0.50
5B-00002	20003	C-14	0.0259	0.03	0.0093	2.96	0.00 - 0.50
5B-00002	20003	Cd-113m	-0.05 U	29	8.7	3030	0.00 - 0.50
5B-00002	20003	Cm-243/244	0.0006 U	0.0096	0.0026	0.0443	0.00 - 0.50
5B-00002	20003	Cm-245/246	0.0012 U J K	0.0033	0.0012	0.0401	0.00 - 0.50
5B-00002	20003	Cm-247/248	0 U	0.0032	0.001	0.0306	0.00 - 0.50
5B-00002	20003	Co-60	0.0044 U	0.016	0.0031	0.028	0.00 - 0.50
5B-00002	20003	Cs-134	0.0116 SK	0.013	0.0037	0.0864	0.00 - 0.50
5B-00002	20003	Cs-137	0.0046 U	0.01	0.0031	0.207	0.00 - 0.50
5B-00002	20003	Eu-152	-0.005 U	0.033	0.0098	0.0566	0.00 - 0.50
5B-00002	20003	Eu-154	0.01 U	0.087	0.011	0.15	0.00 - 0.50
5B-00002	20003	Eu-155	0.07 SK	0.03	0.01	0.231	0.00 - 0.50
5B-00002	20003	H-3	0.018 U	0.22	0.066	11.9	0.00 - 0.50
5B-00002	20003	Ho-166m	0.0022 U J	0.02	0.0017	0.0432	0.00 - 0.50
5B-00002	20003	K-40	22.5	0.1	1.1	32.4	0.00 - 0.50
5B-00002	20003	Na-22	0.0056 U	0.02	0.0061	0.037	0.00 - 0.50
5B-00002	20003	Nb-94	0.0049 U	0.012	0.0035	0.0214	0.00 - 0.50
5B-00002	20003	Ni-59	0 U	0.3	0.088	5.96	0.00 - 0.50
5B-00002	20003	Ni-63	-0.03 U	0.42	0.13	4.92	0.00 - 0.50
5B-00002	20003	Np-236	-0.005 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00002	20003	Np-239	0.006 U	0.078	0.024	0.139	0.00 - 0.50
5B-00002	20003	Pa-231	-0.05 U	0.53	0.16	0.936	0.00 - 0.50
5B-00002	20003	Pb-212	1.56	0.02	0.1	2.69	0.00 - 0.50
5B-00002	20003	Pb-214	0.917	0.023	0.05	1.7	0.00 - 0.50
5B-00002	20003	Pu-236	0 U	0.0012	0.0005	7.79	0.00 - 0.50
5B-00002	20003	Pu-238	0.0004 U	0.0032	0.0008	0.0415	0.00 - 0.50
5B-00002	20003	Pu-239/240	0.0004 U	0.0012	0.0004	0.0404	0.00 - 0.50
5B-00002	20003	Pu-244	0.003	0.0012	0.0011	0.0313	0.00 - 0.50
5B-00002	20003	Sb-125	0.114 SK	0.035	0.0095	0.354	0.00 - 0.50
5B-00002	20003	Sn-126	0.0017 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00002	20003	Sr-90	0.052	0.061	0.019	0.485	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00002	20003	Tc-99	-0.019 U	0.3	0.09	1.63	0.00 - 0.50
5B-00002	20003	Te-125m	0.0263 SK	0.0082	0.0022	0.0838	0.00 - 0.50
5B-00002	20003	Th-228	1.23	0.018	0.066	3.98	0.00 - 0.50
5B-00002	20003	Th-229	0.0091	0.0071	0.0031	0.145	0.00 - 0.50
5B-00002	20003	Th-230	0.833	0.01	0.049	2.2	0.00 - 0.50
5B-00002	20003	Th-232	1.21	0.004	0.065	3.1	0.00 - 0.50
5B-00002	20003	Th-234	1.02 R	0.13	0.072	3.19	0.00 - 0.50
5B-00002	20003	Tl-208	0.46	0.016	0.026	0.937	0.00 - 0.50
5B-00002	20003	Tm-171	2.3 J	4.5	1.4	72.4	0.00 - 0.50
5B-00002	20003	U-233/234	0.744	0.003	0.043	2.02	0.00 - 0.50
5B-00002	20003	U-235/236	0.0324	0.0038	0.0069	0.151	0.00 - 0.50
5B-00002	20003	U-238	0.73	0.003	0.042	1.8	0.00 - 0.50
5B-00003	20006	Ac-227	0.032 U	0.13	0.046	0.217	0.00 - 0.50
5B-00003	20006	Ac-228	1.22	0.096	0.045	2.4	0.00 - 0.50
5B-00003	20006	Am-241	0.0008 U	0.0074	0.0019	0.0454	0.00 - 0.50
5B-00003	20006	Bi-212	1.08	0.16	0.096	2.15	0.00 - 0.50
5B-00003	20006	Bi-214	0.894	0.027	0.032	1.59	0.00 - 0.50
5B-00003	20006	C-14	0.033	0.048	0.015	2.96	0.00 - 0.50
5B-00003	20006	Cd-113m	5 U	40	12	3030	0.00 - 0.50
5B-00003	20006	Cm-243/244	-0.005 U	0.014	0.0031	0.0443	0.00 - 0.50
5B-00003	20006	Cm-245/246	-0.001 U J	0.012	0.0014	0.0401	0.00 - 0.50
5B-00003	20006	Cm-247/248	0.0021 U	0.0056	0.0021	0.0306	0.00 - 0.50
5B-00003	20006	Co-60	0.0088 U	0.02	0.005	0.028	0.00 - 0.50
5B-00003	20006	Cs-134	-0.014 U J	0.019	0.0058	0.0864	0.00 - 0.50
5B-00003	20006	Cs-137	0.0086 U	0.019	0.0063	0.207	0.00 - 0.50
5B-00003	20006	Eu-152	0.003 U	0.04	0.012	0.0566	0.00 - 0.50
5B-00003	20006	Eu-154	-0.005 U	0.11	0.012	0.15	0.00 - 0.50
5B-00003	20006	Eu-155	0.063 SK	0.036	0.014	0.231	0.00 - 0.50
5B-00003	20006	H-3	0.054 U	0.22	0.067	11.9	0.00 - 0.50
5B-00003	20006	Ho-166m	0 U J	0.028	0.0082	0.0432	0.00 - 0.50
5B-00003	20006	K-40	21.8	0.16	0.67	32.4	0.00 - 0.50
5B-00003	20006	Na-22	0.0031 U	0.027	0.0081	0.037	0.00 - 0.50
5B-00003	20006	Nb-94	0.007 U	0.017	0.005	0.0214	0.00 - 0.50
5B-00003	20006	Ni-59	0 U	0.21	0.073	5.96	0.00 - 0.50
5B-00003	20006	Ni-63	-0.04 U	0.42	0.13	4.92	0.00 - 0.50
5B-00003	20006	Np-236	0.0121 U	0.031	0.0094	0.047	0.00 - 0.50
5B-00003	20006	Np-239	-0.01 U	0.097	0.029	0.139	0.00 - 0.50
5B-00003	20006	Pa-231	0.1 U	0.62	0.19	0.936	0.00 - 0.50
5B-00003	20006	Pb-212	1.55	0.027	0.064	2.69	0.00 - 0.50
5B-00003	20006	Pb-214	0.936	0.027	0.033	1.7	0.00 - 0.50
5B-00003	20006	Pu-236	0 U	0.0011	0.0005	7.79	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00003	20006	Pu-238	-0.001 U	0.0043	0.0008	0.0415	0.00 - 0.50
5B-00003	20006	Pu-239/240	0.0012	0.0011	0.0007	0.0404	0.00 - 0.50
5B-00003	20006	Pu-244	0.0032	0.0011	0.0011	0.0313	0.00 - 0.50
5B-00003	20006	Sb-125	0.167 SK	0.042	0.014	0.354	0.00 - 0.50
5B-00003	20006	Sn-126	0.0003 U	0.019	0.0058	0.0237	0.00 - 0.50
5B-00003	20006	Sr-90	-0.009 U	0.06	0.017	0.485	0.00 - 0.50
5B-00003	20006	Tc-99	-0.066 U	0.3	0.092	1.63	0.00 - 0.50
5B-00003	20006	Te-125m	0.0386 SK	0.0098	0.0032	0.0838	0.00 - 0.50
5B-00003	20006	Th-228	1.3	0.017	0.068	3.98	0.00 - 0.50
5B-00003	20006	Th-229	0.0024	0.0058	0.0018	0.145	0.00 - 0.50
5B-00003	20006	Th-230	0.892	0.009	0.05	2.2	0.00 - 0.50
5B-00003	20006	Th-232	1.17	0.009	0.062	3.1	0.00 - 0.50
5B-00003	20006	Th-234	1.46 R	0.16	0.087	3.19	0.00 - 0.50
5B-00003	20006	Tl-208	0.458	0.021	0.019	0.937	0.00 - 0.50
5B-00003	20006	Tm-171	0.2 U J	6.2	1.9	72.4	0.00 - 0.50
5B-00003	20006	U-233/234	0.793	0.009	0.042	2.02	0.00 - 0.50
5B-00003	20006	U-235/236	0.045	0.0074	0.0071	0.151	0.00 - 0.50
5B-00003	20006	U-238	0.765	0.007	0.041	1.8	0.00 - 0.50
5B-00004	20008	Ac-227	0.081	0.093	0.029	0.217	0.00 - 0.50
5B-00004	20008	Ac-228	1.07	0.066	0.038	2.4	0.00 - 0.50
5B-00004	20008	Am-241	0 U	0.0077	0.0019	0.0454	0.00 - 0.50
5B-00004	20008	Bi-212	0.82	0.1	0.061	2.15	0.00 - 0.50
5B-00004	20008	Bi-214	0.767	0.022	0.03	1.59	0.00 - 0.50
5B-00004	20008	C-14	0.018 U	0.11	0.032	2.96	0.00 - 0.50
5B-00004	20008	Cd-113m	7 U	33	10	3030	0.00 - 0.50
5B-00004	20008	Cm-243/244	-0.004 U	0.014	0.0035	0.0443	0.00 - 0.50
5B-00004	20008	Cm-245/246	0.0033 J	0.003	0.0019	0.0401	0.00 - 0.50
5B-00004	20008	Cm-247/248	0.0004 U	0.0065	0.0013	0.0306	0.00 - 0.50
5B-00004	20008	Co-60	0.0037 U	0.014	0.0036	0.028	0.00 - 0.50
5B-00004	20008	Cs-134	0.0135 U	0.043	0.0042	0.0864	0.00 - 0.50
5B-00004	20008	Cs-137	0.0008 U	0.013	0.0037	0.207	0.00 - 0.50
5B-00004	20008	Eu-152	0.0063 U	0.031	0.0095	0.0566	0.00 - 0.50
5B-00004	20008	Eu-154	-0.029 U	0.083	0.025	0.15	0.00 - 0.50
5B-00004	20008	Eu-155	0.067 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00004	20008	H-3	0.039 U	0.2	0.059	11.9	0.00 - 0.50
5B-00004	20008	Ho-166m	-0.002 U J	0.019	0.0016	0.0432	0.00 - 0.50
5B-00004	20008	K-40	21.6	0.14	0.72	32.4	0.00 - 0.50
5B-00004	20008	Na-22	0.0013 U	0.013	0.0037	0.037	0.00 - 0.50
5B-00004	20008	Nb-94	0.002 U	0.011	0.0022	0.0214	0.00 - 0.50
5B-00004	20008	Ni-59	0 U	0.24	0.082	5.96	0.00 - 0.50
5B-00004	20008	Ni-63	0.02 U	0.46	0.14	4.92	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00004	20008	Np-236	0.0012 U	0.026	0.0078	0.047	0.00 - 0.50
5B-00004	20008	Np-239	0.0004 U	0.073	0.022	0.139	0.00 - 0.50
5B-00004	20008	Pa-231	0.05 U	0.49	0.15	0.936	0.00 - 0.50
5B-00004	20008	Pb-212	1.25	0.028	0.067	2.69	0.00 - 0.50
5B-00004	20008	Pb-214	0.848	0.022	0.032	1.7	0.00 - 0.50
5B-00004	20008	Pu-236	0 U	0.0047	0.0012	7.79	0.00 - 0.50
5B-00004	20008	Pu-238	0.0012 U	0.0037	0.0011	0.0415	0.00 - 0.50
5B-00004	20008	Pu-239/240	0 U	0.0037	0.0008	0.0404	0.00 - 0.50
5B-00004	20008	Pu-244	0.002	0.0011	0.0009	0.0313	0.00 - 0.50
5B-00004	20008	Sb-125	0.103 SK	0.031	0.0082	0.354	0.00 - 0.50
5B-00004	20008	Sn-126	0.0033 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00004	20008	Sr-90	0.013 U	0.069	0.02	0.485	0.00 - 0.50
5B-00004	20008	Tc-99	-0.053 U	0.29	0.088	1.63	0.00 - 0.50
5B-00004	20008	Te-125m	0.0238 SK	0.0071	0.0019	0.0838	0.00 - 0.50
5B-00004	20008	Th-228	1.02	0.013	0.055	3.98	0.00 - 0.50
5B-00004	20008	Th-229	0.0063	0.0058	0.0024	0.145	0.00 - 0.50
5B-00004	20008	Th-230	0.836	0.013	0.047	2.2	0.00 - 0.50
5B-00004	20008	Th-232	1.06	0.003	0.057	3.1	0.00 - 0.50
5B-00004	20008	Th-234	1.14 R	0.13	0.073	3.19	0.00 - 0.50
5B-00004	20008	Tl-208	0.412	0.014	0.017	0.937	0.00 - 0.50
5B-00004	20008	Tm-171	-3.4 U J	4.9	1.5	72.4	0.00 - 0.50
5B-00004	20008	U-233/234	0.606	0.008	0.037	2.02	0.00 - 0.50
5B-00004	20008	U-235/236	0.0329	0.011	0.0073	0.151	0.00 - 0.50
5B-00004	20008	U-238	0.602	0.008	0.037	1.8	0.00 - 0.50
5B-00005	20010	Ac-227	0.05	0.071	0.022	0.217	0.00 - 0.50
5B-00005	20010	Ac-228	0.807	0.067	0.031	2.4	0.00 - 0.50
5B-00005	20010	Am-241	-6E-04 U	0.0054	0.0011	0.0454	0.00 - 0.50
5B-00005	20010	Bi-212	0.661	0.099	0.059	2.15	0.00 - 0.50
5B-00005	20010	Bi-214	0.822	0.021	0.032	1.59	0.00 - 0.50
5B-00005	20010	C-14	0.0198	0.027	0.0085	2.96	0.00 - 0.50
5B-00005	20010	Cd-113m	-0.5 U	31	9.4	3030	0.00 - 0.50
5B-00005	20010	Cm-243/244	-0.002 U	0.0062	0.0011	0.0443	0.00 - 0.50
5B-00005	20010	Cm-245/246	0.0044 J K	0.0076	0.0027	0.0401	0.00 - 0.50
5B-00005	20010	Cm-247/248	-0.002 U	0.0091	0.0012	0.0306	0.00 - 0.50
5B-00005	20010	Co-60	0.0056 U	0.012	0.0036	0.028	0.00 - 0.50
5B-00005	20010	Cs-134	0.0044 U	0.036	0.0018	0.0864	0.00 - 0.50
5B-00005	20010	Cs-137	-0.002 U	0.012	0.0036	0.207	0.00 - 0.50
5B-00005	20010	Eu-152	0.0078 U	0.028	0.0047	0.0566	0.00 - 0.50
5B-00005	20010	Eu-154	-0.041 U	0.076	0.023	0.15	0.00 - 0.50
5B-00005	20010	Eu-155	0.047 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00005	20010	H-3	-0.015 U	0.21	0.062	11.9	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00005	20010	Ho-166m	0.0086 U J	0.018	0.007	0.0432	0.00 - 0.50
5B-00005	20010	K-40	20.8	0.15	0.69	32.4	0.00 - 0.50
5B-00005	20010	Na-22	0.0005 U	0.018	0.0054	0.037	0.00 - 0.50
5B-00005	20010	Nb-94	0.0032 U	0.01	0.0022	0.0214	0.00 - 0.50
5B-00005	20010	Ni-59	0 U	0.21	0.07	5.96	0.00 - 0.50
5B-00005	20010	Ni-63	0.03 U	0.44	0.13	4.92	0.00 - 0.50
5B-00005	20010	Np-236	-0.002 U	0.025	0.0075	0.047	0.00 - 0.50
5B-00005	20010	Np-239	-0.012 U	0.068	0.021	0.139	0.00 - 0.50
5B-00005	20010	Pa-231	-0.003 U	0.45	0.14	0.936	0.00 - 0.50
5B-00005	20010	Pb-212	1.01	0.021	0.054	2.69	0.00 - 0.50
5B-00005	20010	Pb-214	0.907	0.021	0.034	1.7	0.00 - 0.50
5B-00005	20010	Pu-236	0.0004 U	0.0038	0.001	7.79	0.00 - 0.50
5B-00005	20010	Pu-238	0.0004 U	0.0038	0.001	0.0415	0.00 - 0.50
5B-00005	20010	Pu-239/240	0 U	0.003	0.0006	0.0404	0.00 - 0.50
5B-00005	20010	Pu-244	0.0021	0.0011	0.0009	0.0313	0.00 - 0.50
5B-00005	20010	Sb-125	0.031 K,RSK	0.023	0.011	0.354	0.00 - 0.50
5B-00005	20010	Sn-126	-2E-04 U	0.011	0.0034	0.0237	0.00 - 0.50
5B-00005	20010	Sr-90	0.017 U	0.067	0.02	0.485	0.00 - 0.50
5B-00005	20010	Tc-99	0 U	0.3	0.091	1.63	0.00 - 0.50
5B-00005	20010	Te-125m	0.0071 SK	0.0054	0.0026	0.0838	0.00 - 0.50
5B-00005	20010	Th-228	0.811	0.016	0.044	3.98	0.00 - 0.50
5B-00005	20010	Th-229	0.0056	0.0068	0.0025	0.145	0.00 - 0.50
5B-00005	20010	Th-230	0.818	0.003	0.044	2.2	0.00 - 0.50
5B-00005	20010	Th-232	0.769	0.007	0.042	3.1	0.00 - 0.50
5B-00005	20010	Th-234	1.13 R	0.13	0.072	3.19	0.00 - 0.50
5B-00005	20010	Tl-208	0.31	0.013	0.013	0.937	0.00 - 0.50
5B-00005	20010	Tm-171	-0.3 U J	5.1	1.5	72.4	0.00 - 0.50
5B-00005	20010	U-233/234	0.711	0.008	0.041	2.02	0.00 - 0.50
5B-00005	20010	U-235/236	0.0343	0.0037	0.007	0.151	0.00 - 0.50
5B-00005	20010	U-238	0.726	0.008	0.042	1.8	0.00 - 0.50
5B-00006	20011	Ac-227	-0.053 U	0.11	0.034	0.217	0.00 - 0.50
5B-00006	20011	Ac-228	0.851	0.061	0.03	2.4	0.00 - 0.50
5B-00006	20011	Am-241	0.0009 U	0.0065	0.0016	0.0454	0.00 - 0.50
5B-00006	20011	Bi-212	0.712	0.09	0.053	2.15	0.00 - 0.50
5B-00006	20011	Bi-214	0.765	0.02	0.027	1.59	0.00 - 0.50
5B-00006	20011	C-14	0.025	0.038	0.012	2.96	0.00 - 0.50
5B-00006	20011	Cd-113m	-3.1 U	31	9.5	3030	0.00 - 0.50
5B-00006	20011	Cm-243/244	-0.004 U	0.011	0.0022	0.0443	0.00 - 0.50
5B-00006	20011	Cm-245/246	0.0046 J	0.0016	0.0016	0.0401	0.00 - 0.50
5B-00006	20011	Cm-247/248	0.0006 U	0.0042	0.001	0.0306	0.00 - 0.50
5B-00006	20011	Co-60	0.0003 U	0.014	0.0042	0.028	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00006	20011	Cs-134	0.0065 U	0.036	0.0037	0.0864	0.00 - 0.50
5B-00006	20011	Cs-137	-0.008 L U	0.011	0.0035	0.207	0.00 - 0.50
5B-00006	20011	Eu-152	0.012 U	0.028	0.0081	0.0566	0.00 - 0.50
5B-00006	20011	Eu-154	0.0053 U	0.072	0.0088	0.15	0.00 - 0.50
5B-00006	20011	Eu-155	0.0346 SK	0.031	0.0096	0.231	0.00 - 0.50
5B-00006	20011	H-3	-0.03 U	0.19	0.055	11.9	0.00 - 0.50
5B-00006	20011	Ho-166m	0.0022 U	0.018	0.0018	0.0432	0.00 - 0.50
5B-00006	20011	K-40	21.9	0.12	0.65	32.4	0.00 - 0.50
5B-00006	20011	Na-22	0.0034 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00006	20011	Nb-94	0.0039 U	0.0098	0.003	0.0214	0.00 - 0.50
5B-00006	20011	Ni-59	0 U	0.16	0.054	5.96	0.00 - 0.50
5B-00006	20011	Ni-63	-0.09 U	0.58	0.17	4.92	0.00 - 0.50
5B-00006	20011	Np-236	-0.007 U	0.024	0.0074	0.047	0.00 - 0.50
5B-00006	20011	Np-239	0.009 U	0.065	0.02	0.139	0.00 - 0.50
5B-00006	20011	Pa-231	0.05 U	0.45	0.13	0.936	0.00 - 0.50
5B-00006	20011	Pb-212	1.1	0.018	0.045	2.69	0.00 - 0.50
5B-00006	20011	Pb-214	0.873	0.021	0.029	1.7	0.00 - 0.50
5B-00006	20011	Pu-236	0.0005 U	0.0012	0.0005	7.79	0.00 - 0.50
5B-00006	20011	Pu-238	0.0014 U	0.0049	0.0014	0.0415	0.00 - 0.50
5B-00006	20011	Pu-239/240	0.0005 U	0.0012	0.0005	0.0404	0.00 - 0.50
5B-00006	20011	Pu-244	0.0027	0.0033	0.0013	0.0313	0.00 - 0.50
5B-00006	20011	Sb-125	0.0803 SK	0.031	0.0069	0.354	0.00 - 0.50
5B-00006	20011	Sn-126	0.0028 U	0.011	0.0034	0.0237	0.00 - 0.50
5B-00006	20011	Sr-90	0.021 U	0.05	0.015	0.485	0.00 - 0.50
5B-00006	20011	Tc-99	-0.069 U	0.27	0.082	1.63	0.00 - 0.50
5B-00006	20011	Te-125m	0.0185 SK	0.0071	0.0016	0.0838	0.00 - 0.50
5B-00006	20011	Th-228	0.88	0.01	0.046	3.98	0.00 - 0.50
5B-00006	20011	Th-229	0.0009 U	0.0097	0.0025	0.145	0.00 - 0.50
5B-00006	20011	Th-230	0.826	0.009	0.043	2.2	0.00 - 0.50
5B-00006	20011	Th-232	0.806	0.002	0.042	3.1	0.00 - 0.50
5B-00006	20011	Th-234	1.18 R	0.12	0.067	3.19	0.00 - 0.50
5B-00006	20011	Tl-208	0.306	0.015	0.013	0.937	0.00 - 0.50
5B-00006	20011	Tm-171	-3.1 L U J	4.1	1.2	72.4	0.00 - 0.50
5B-00006	20011	U-233/234	0.665 J	0.013	0.044	2.02	0.00 - 0.50
5B-00006	20011	U-235/236	0.0366 J	0.0058	0.009	0.151	0.00 - 0.50
5B-00006	20011	U-238	0.78 J	0.019	0.049	1.8	0.00 - 0.50
5B-00006	20012	Ac-227	0.047 U	0.13	0.023	0.217	1.00 - 5.00
5B-00006	20012	Ac-228	1.26	0.09	0.05	2.4	1.00 - 5.00
5B-00006	20012	Am-241	0.0039	0.0048	0.0019	0.0454	1.00 - 5.00
5B-00006	20012	Bi-212	1.06	0.16	0.096	2.15	1.00 - 5.00
5B-00006	20012	Bi-214	0.829	0.027	0.03	1.59	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00006	20012	C-14	0.009 U	0.065	0.02	2.96	1.00 - 5.00
5B-00006	20012	Cd-113m	0.09 U	40	12	3030	1.00 - 5.00
5B-00006	20012	Cm-243/244	0.0006 U	0.0017	0.0006	0.0443	1.00 - 5.00
5B-00006	20012	Cm-245/246	0 U J	0.011	0.0027	0.0401	1.00 - 5.00
5B-00006	20012	Cm-247/248	0.001 U	0.0096	0.0024	0.0306	1.00 - 5.00
5B-00006	20012	Co-60	-0.003 U	0.019	0.0058	0.028	1.00 - 5.00
5B-00006	20012	Cs-134	0.0161 SK	0.014	0.0053	0.0864	1.00 - 5.00
5B-00006	20012	Cs-137	0.0022 U	0.016	0.0057	0.207	1.00 - 5.00
5B-00006	20012	Eu-152	0.007 U	0.037	0.01	0.0566	1.00 - 5.00
5B-00006	20012	Eu-154	-0.006 U	0.11	0.0061	0.15	1.00 - 5.00
5B-00006	20012	Eu-155	0.076 SK	0.032	0.012	0.231	1.00 - 5.00
5B-00006	20012	H-3	0.067 U	0.2	0.06	11.9	1.00 - 5.00
5B-00006	20012	Ho-166m	0.018 SK	0.024	0.012	0.0432	1.00 - 5.00
5B-00006	20012	K-40	20.7	0.15	0.63	32.4	1.00 - 5.00
5B-00006	20012	Na-22	-0.002 U	0.026	0.0079	0.037	1.00 - 5.00
5B-00006	20012	Nb-94	0.0026 U	0.015	0.0046	0.0214	1.00 - 5.00
5B-00006	20012	Ni-59	0 U	0.14	0.052	5.96	1.00 - 5.00
5B-00006	20012	Ni-63	-0.03 U	0.47	0.15	4.92	1.00 - 5.00
5B-00006	20012	Np-236	-0.011 U	0.027	0.0083	0.047	1.00 - 5.00
5B-00006	20012	Np-239	-0.016 U	0.087	0.026	0.139	1.00 - 5.00
5B-00006	20012	Pa-231	0.11 U	0.55	0.17	0.936	1.00 - 5.00
5B-00006	20012	Pb-212	1.55	0.024	0.063	2.69	1.00 - 5.00
5B-00006	20012	Pb-214	0.876	0.025	0.03	1.7	1.00 - 5.00
5B-00006	20012	Pu-236	-4E-04 U	0.0044	0.0005	7.79	1.00 - 5.00
5B-00006	20012	Pu-238	0.0037	0.002	0.0017	0.0415	1.00 - 5.00
5B-00006	20012	Pu-239/240	0 U	0.002	0.0006	0.0404	1.00 - 5.00
5B-00006	20012	Pu-244	0.0015	0.002	0.001	0.0313	1.00 - 5.00
5B-00006	20012	Sb-125	0.16 SK	0.043	0.012	0.354	1.00 - 5.00
5B-00006	20012	Sn-126	0.0033 U	0.016	0.0049	0.0237	1.00 - 5.00
5B-00006	20012	Sr-90	0.013 U	0.036	0.011	0.485	1.00 - 5.00
5B-00006	20012	Tc-99	-0.053 U	0.3	0.09	1.63	1.00 - 5.00
5B-00006	20012	Te-125m	0.0371 SK	0.01	0.0029	0.0838	1.00 - 5.00
5B-00006	20012	Th-228	1.24	0.014	0.065	3.98	1.00 - 5.00
5B-00006	20012	Th-229	0.008	0.0083	0.0035	0.145	1.00 - 5.00
5B-00006	20012	Th-230	0.825	0.009	0.047	2.2	1.00 - 5.00
5B-00006	20012	Th-232	1.17	0.009	0.062	3.1	1.00 - 5.00
5B-00006	20012	Th-234	0.5 JR	0.15	0.051	3.19	1.00 - 5.00
5B-00006	20012	Tl-208	0.471	0.018	0.018	0.937	1.00 - 5.00
5B-00006	20012	Tm-171	1.3 U	4.4	1.3	72.4	1.00 - 5.00
5B-00006	20012	U-233/234	0.681	0.007	0.038	2.02	1.00 - 5.00
5B-00006	20012	U-235/236	0.0309	0.003	0.006	0.151	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00006	20012	U-238	0.65	0.007	0.036	1.8	1.00 - 5.00
5B-00007	20014	Ac-227	0.045 U	0.11	0.036	0.217	0.00 - 0.50
5B-00007	20014	Ac-228	1.06	0.063	0.036	2.4	0.00 - 0.50
5B-00007	20014	Am-241	0.0018 U	0.0056	0.0017	0.0454	0.00 - 0.50
5B-00007	20014	Bi-212	0.826	0.099	0.06	2.15	0.00 - 0.50
5B-00007	20014	Bi-214	0.745	0.022	0.027	1.59	0.00 - 0.50
5B-00007	20014	C-14	0.0181	0.026	0.0082	2.96	0.00 - 0.50
5B-00007	20014	Cd-113m	-0.3 U	31	9.3	3030	0.00 - 0.50
5B-00007	20014	Cm-243/244	0.0024	0.0016	0.0012	0.0443	0.00 - 0.50
5B-00007	20014	Cm-245/246	0.0006 U J	0.0082	0.0017	0.0401	0.00 - 0.50
5B-00007	20014	Cm-247/248	0.0005 U	0.0081	0.0016	0.0306	0.00 - 0.50
5B-00007	20014	Co-60	0.003 U	0.014	0.0034	0.028	0.00 - 0.50
5B-00007	20014	Cs-134	0.0074 U	0.037	0.0023	0.0864	0.00 - 0.50
5B-00007	20014	Cs-137	-0.002 U	0.011	0.0033	0.207	0.00 - 0.50
5B-00007	20014	Eu-152	-0.003 U	0.03	0.0089	0.0566	0.00 - 0.50
5B-00007	20014	Eu-154	-0.04 U	0.081	0.025	0.15	0.00 - 0.50
5B-00007	20014	Eu-155	0.064 SK	0.028	0.012	0.231	0.00 - 0.50
5B-00007	20014	H-3	0.108	0.2	0.062	11.9	0.00 - 0.50
5B-00007	20014	Ho-166m	-0.013 U J	0.018	0.0057	0.0432	0.00 - 0.50
5B-00007	20014	K-40	21.6	0.12	0.64	32.4	0.00 - 0.50
5B-00007	20014	Na-22	0.0036 U	0.018	0.0055	0.037	0.00 - 0.50
5B-00007	20014	Nb-94	0.0058 SK	0.011	0.0033	0.0214	0.00 - 0.50
5B-00007	20014	Ni-59	0 U	0.22	0.07	5.96	0.00 - 0.50
5B-00007	20014	Ni-63	-0.02 U	0.42	0.13	4.92	0.00 - 0.50
5B-00007	20014	Np-236	-0.009 U	0.024	0.0074	0.047	0.00 - 0.50
5B-00007	20014	Np-239	0.001 U	0.062	0.019	0.139	0.00 - 0.50
5B-00007	20014	Pa-231	0.052 U	0.36	0.066	0.936	0.00 - 0.50
5B-00007	20014	Pb-212	1.27	0.025	0.052	2.69	0.00 - 0.50
5B-00007	20014	Pb-214	0.81	0.02	0.027	1.7	0.00 - 0.50
5B-00007	20014	Pu-236	-0.002 U	0.0053	0.001	7.79	0.00 - 0.50
5B-00007	20014	Pu-238	-4E-04 U	0.0053	0.0012	0.0415	0.00 - 0.50
5B-00007	20014	Pu-239/240	0 U	0.0012	0.0005	0.0404	0.00 - 0.50
5B-00007	20014	Pu-244	0.0031	0.0012	0.0012	0.0313	0.00 - 0.50
5B-00007	20014	Sb-125	0.136 SK	0.031	0.0093	0.354	0.00 - 0.50
5B-00007	20014	Sn-126	0.0008 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00007	20014	Sr-90	0.061	0.065	0.021	0.485	0.00 - 0.50
5B-00007	20014	Tc-99	-0.04 U	0.28	0.084	1.63	0.00 - 0.50
5B-00007	20014	Te-125m	0.0315 SK	0.0073	0.0021	0.0838	0.00 - 0.50
5B-00007	20014	Th-228	1.01	0.012	0.054	3.98	0.00 - 0.50
5B-00007	20014	Th-229	0.0049	0.0022	0.002	0.145	0.00 - 0.50
5B-00007	20014	Th-230	0.809	0.008	0.045	2.2	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00007	20014	Th-232	1.04	0.008	0.056	3.1	0.00 - 0.50
5B-00007	20014	Th-234	0.569 R	0.13	0.046	3.19	0.00 - 0.50
5B-00007	20014	Tl-208	0.396	0.014	0.015	0.937	0.00 - 0.50
5B-00007	20014	Tm-171	-5.3 U J	4.3	1.3	72.4	0.00 - 0.50
5B-00007	20014	U-233/234	0.7	0.008	0.041	2.02	0.00 - 0.50
5B-00007	20014	U-235/236	0.044	0.0038	0.0081	0.151	0.00 - 0.50
5B-00007	20014	U-238	0.64	0.003	0.038	1.8	0.00 - 0.50
5B-00008	20016	Ac-227	0.03 U	0.13	0.046	0.217	0.00 - 0.50
5B-00008	20016	Ac-228	0.906	0.085	0.035	2.4	0.00 - 0.50
5B-00008	20016	Am-241	0.0079	0.011	0.0039	0.0454	0.00 - 0.50
5B-00008	20016	Bi-212	0.705	0.098	0.053	2.15	0.00 - 0.50
5B-00008	20016	Bi-214	0.681	0.02	0.024	1.59	0.00 - 0.50
5B-00008	20016	C-14	0.0089 U	0.023	0.007	2.96	0.00 - 0.50
5B-00008	20016	Cd-113m	2 U	38	11	3030	0.00 - 0.50
5B-00008	20016	Cm-243/244	0.0178	0.0082	0.0048	0.0443	0.00 - 0.50
5B-00008	20016	Cm-245/246	-0.001 U J	0.0078	0.0012	0.0401	0.00 - 0.50
5B-00008	20016	Cm-247/248	0 U	0.0076	0.0016	0.0306	0.00 - 0.50
5B-00008	20016	Co-60	0.0037 U	0.019	0.004	0.028	0.00 - 0.50
5B-00008	20016	Cs-134	0.0109 SK	0.011	0.0055	0.0864	0.00 - 0.50
5B-00008	20016	Cs-137	0.0109	0.015	0.0046	0.207	0.00 - 0.50
5B-00008	20016	Eu-152	0.0049 U	0.035	0.004	0.0566	0.00 - 0.50
5B-00008	20016	Eu-154	-0.011 U	0.1	0.03	0.15	0.00 - 0.50
5B-00008	20016	Eu-155	0.068 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00008	20016	H-3	0.056 U	0.18	0.056	11.9	0.00 - 0.50
5B-00008	20016	Ho-166m	0.0216 SK	0.024	0.0039	0.0432	0.00 - 0.50
5B-00008	20016	K-40	20.5	0.14	0.62	32.4	0.00 - 0.50
5B-00008	20016	Na-22	0.0015 U	0.024	0.0072	0.037	0.00 - 0.50
5B-00008	20016	Nb-94	0.0016 U	0.013	0.004	0.0214	0.00 - 0.50
5B-00008	20016	Np-236	0.0025 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00008	20016	Np-239	0.022 U	0.074	0.022	0.139	0.00 - 0.50
5B-00008	20016	Pa-231	0.022 U	0.55	0.067	0.936	0.00 - 0.50
5B-00008	20016	Pb-212	1.13	0.025	0.047	2.69	0.00 - 0.50
5B-00008	20016	Pb-214	0.769	0.024	0.027	1.7	0.00 - 0.50
5B-00008	20016	Pu-236	0.0021	0.0055	0.0017	7.79	0.00 - 0.50
5B-00008	20016	Pu-238	0.0009 U	0.0039	0.001	0.0415	0.00 - 0.50
5B-00008	20016	Pu-239/240	0.0003 U	0.0039	0.0008	0.0404	0.00 - 0.50
5B-00008	20016	Pu-244	0.0007 U	0.0018	0.0007	0.0313	0.00 - 0.50
5B-00008	20016	Sb-125	0.0975 SK	0.038	0.0098	0.354	0.00 - 0.50
5B-00008	20016	Sn-126	0.0039 U	0.015	0.0045	0.0237	0.00 - 0.50
5B-00008	20016	Sr-90	0.002 U	0.056	0.016	0.485	0.00 - 0.50
5B-00008	20016	Tc-99	-0.07 U	0.31	0.094	1.63	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00008	20016	Te-125m	0.0225 SK	0.0089	0.0023	0.0838	0.00 - 0.50
5B-00008	20016	Th-228	0.911	0.012	0.047	3.98	0.00 - 0.50
5B-00008	20016	Th-229	0.0082	0.002	0.0025	0.145	0.00 - 0.50
5B-00008	20016	Th-230	0.747	0.008	0.04	2.2	0.00 - 0.50
5B-00008	20016	Th-232	0.858	0.002	0.044	3.1	0.00 - 0.50
5B-00008	20016	Th-234	1.24	0.13	0.073	3.19	0.00 - 0.50
5B-00008	20016	Tl-208	0.362	0.017	0.015	0.937	0.00 - 0.50
5B-00008	20016	Tm-171	-0.8 U	5.7	1.7	72.4	0.00 - 0.50
5B-00008	20016	U-233/234	0.583	0.002	0.031	2.02	0.00 - 0.50
5B-00008	20016	U-235/236	0.03	0.0021	0.005	0.151	0.00 - 0.50
5B-00008	20016	U-238	0.582	0.002	0.031	1.8	0.00 - 0.50
5B-00009	20018	Ac-227	0.048 U	0.11	0.034	0.217	0.00 - 0.50
5B-00009	20018	Ac-228	0.969	0.07	0.037	2.4	0.00 - 0.50
5B-00009	20018	Am-241	0.0024 U	0.011	0.0031	0.0454	0.00 - 0.50
5B-00009	20018	Bi-212	0.788	0.1	0.06	2.15	0.00 - 0.50
5B-00009	20018	Bi-214	0.729	0.023	0.029	1.59	0.00 - 0.50
5B-00009	20018	C-14	0 U	0.023	0.0068	2.96	0.00 - 0.50
5B-00009	20018	Cd-113m	6 U	32	9.8	3030	0.00 - 0.50
5B-00009	20018	Cm-243/244	-0.005 U	0.013	0.0028	0.0443	0.00 - 0.50
5B-00009	20018	Cm-245/246	0.001 U J	0.0028	0.001	0.0401	0.00 - 0.50
5B-00009	20018	Cm-247/248	0.0021 U	0.0028	0.0015	0.0306	0.00 - 0.50
5B-00009	20018	Co-60	-2E-04 U	0.015	0.0044	0.028	0.00 - 0.50
5B-00009	20018	Cs-134	0.0118 U	0.041	0.0037	0.0864	0.00 - 0.50
5B-00009	20018	Cs-137	-0.002 U	0.013	0.0037	0.207	0.00 - 0.50
5B-00009	20018	Eu-152	-0.003 U	0.031	0.0092	0.0566	0.00 - 0.50
5B-00009	20018	Eu-154	0.0057 U	0.075	0.008	0.15	0.00 - 0.50
5B-00009	20018	Eu-155	0.065 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00009	20018	H-3	0.03 U	0.19	0.057	11.9	0.00 - 0.50
5B-00009	20018	Ho-166m	0.0049 U	0.019	0.0056	0.0432	0.00 - 0.50
5B-00009	20018	K-40	21.4	0.13	0.71	32.4	0.00 - 0.50
5B-00009	20018	Na-22	0.0026 U	0.02	0.006	0.037	0.00 - 0.50
5B-00009	20018	Nb-94	0.0077	0.011	0.0033	0.0214	0.00 - 0.50
5B-00009	20018	Ni-59	0 U	0.13	0.035	5.96	0.00 - 0.50
5B-00009	20018	Ni-63	-0.15 U	0.44	0.13	4.92	0.00 - 0.50
5B-00009	20018	Np-236	0.0049 U	0.023	0.0071	0.047	0.00 - 0.50
5B-00009	20018	Np-239	-0.009 U	0.073	0.022	0.139	0.00 - 0.50
5B-00009	20018	Pa-231	-0.1 U	0.47	0.14	0.936	0.00 - 0.50
5B-00009	20018	Pb-212	1.26	0.02	0.067	2.69	0.00 - 0.50
5B-00009	20018	Pb-214	0.816	0.022	0.032	1.7	0.00 - 0.50
5B-00009	20018	Pu-236	0 U	0.0019	0.0008	7.79	0.00 - 0.50
5B-00009	20018	Pu-238	-0.004 U	0.01	0.0021	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00009	20018	Pu-239/240	0 U	0.0019	0.0008	0.0404	0.00 - 0.50
5B-00009	20018	Pu-244	0.0029	0.0019	0.0014	0.0313	0.00 - 0.50
5B-00009	20018	Sb-125	0.0754 SK	0.034	0.0063	0.354	0.00 - 0.50
5B-00009	20018	Sn-126	-0.003 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00009	20018	Sr-90	-0.01 U	0.042	0.012	0.485	0.00 - 0.50
5B-00009	20018	Tc-99	-0.014 U	0.27	0.081	1.63	0.00 - 0.50
5B-00009	20018	Te-125m	0.0174 SK	0.0078	0.0015	0.0838	0.00 - 0.50
5B-00009	20018	Th-228	0.921	0.009	0.046	3.98	0.00 - 0.50
5B-00009	20018	Th-229	0.0031 U	0.0082	0.0025	0.145	0.00 - 0.50
5B-00009	20018	Th-230	0.823 K	0.002	0.042	2.2	0.00 - 0.50
5B-00009	20018	Th-232	0.864	0.005	0.044	3.1	0.00 - 0.50
5B-00009	20018	Th-234	1.29	0.12	0.075	3.19	0.00 - 0.50
5B-00009	20018	Tl-208	0.394	0.014	0.016	0.937	0.00 - 0.50
5B-00009	20018	Tm-171	4	4.5	1.9	72.4	0.00 - 0.50
5B-00009	20018	U-233/234	0.58	0.008	0.035	2.02	0.00 - 0.50
5B-00009	20018	U-235/236	0.0314	0.0035	0.0065	0.151	0.00 - 0.50
5B-00009	20018	U-238	0.652	0.003	0.038	1.8	0.00 - 0.50
5B-00010	20020	Ac-227	0.299 K,R	0.1	0.016	0.217	0.00 - 0.50
5B-00010	20020	Ac-228	0.994	0.058	0.036	2.4	0.00 - 0.50
5B-00010	20020	Am-241	-0.001 U	0.0088	0.002	0.0454	0.00 - 0.50
5B-00010	20020	Bi-212	0.806	0.11	0.068	2.15	0.00 - 0.50
5B-00010	20020	Bi-214	0.713	0.018	0.027	1.59	0.00 - 0.50
5B-00010	20020	C-14	0.032	0.064	0.02	2.96	0.00 - 0.50
5B-00010	20020	Cd-113m	3 U	31	9.4	3030	0.00 - 0.50
5B-00010	20020	Cm-243/244	-7E-04 U	0.01	0.0027	0.0443	0.00 - 0.50
5B-00010	20020	Cm-245/246	-3E-04 U J	0.0093	0.0018	0.0401	0.00 - 0.50
5B-00010	20020	Cm-247/248	-8E-04 U	0.0074	0.0008	0.0306	0.00 - 0.50
5B-00010	20020	Co-60	-0.002 U	0.013	0.004	0.028	0.00 - 0.50
5B-00010	20020	Cs-134	0.0165 U	0.039	0.0063	0.0864	0.00 - 0.50
5B-00010	20020	Cs-137	-0.003 U	0.012	0.0036	0.207	0.00 - 0.50
5B-00010	20020	Eu-152	-0.004 U	0.029	0.0088	0.0566	0.00 - 0.50
5B-00010	20020	Eu-154	-0.027 U	0.078	0.024	0.15	0.00 - 0.50
5B-00010	20020	Eu-155	0.059 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00010	20020	H-3	0.042 U	0.22	0.067	11.9	0.00 - 0.50
5B-00010	20020	Ho-166m	0.0064 U J	0.019	0.0064	0.0432	0.00 - 0.50
5B-00010	20020	K-40	21.2	0.12	0.7	32.4	0.00 - 0.50
5B-00010	20020	Na-22	0.0004 U	0.019	0.0056	0.037	0.00 - 0.50
5B-00010	20020	Nb-94	0.0029 U	0.01	0.0031	0.0214	0.00 - 0.50
5B-00010	20020	Ni-59	0 U	0.22	0.072	5.96	0.00 - 0.50
5B-00010	20020	Ni-63	-0.05 U	0.44	0.13	4.92	0.00 - 0.50
5B-00010	20020	Np-236	0.0014 U	0.024	0.0074	0.047	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00010	20020	Np-239	-8E-04 U	0.071	0.021	0.139	0.00 - 0.50
5B-00010	20020	Pa-231	0.1 U	0.46	0.14	0.936	0.00 - 0.50
5B-00010	20020	Pb-212	1.17	0.025	0.063	2.69	0.00 - 0.50
5B-00010	20020	Pb-214	0.801	0.02	0.03	1.7	0.00 - 0.50
5B-00010	20020	Pu-236	-4E-04 U	0.0037	0.0008	7.79	0.00 - 0.50
5B-00010	20020	Pu-238	0 U	0.0029	0.0006	0.0415	0.00 - 0.50
5B-00010	20020	Pu-239/240	0.0016	0.0011	0.0008	0.0404	0.00 - 0.50
5B-00010	20020	Pu-244	0.0016	0.0011	0.0008	0.0313	0.00 - 0.50
5B-00010	20020	Sb-125	0.116 SK	0.029	0.0089	0.354	0.00 - 0.50
5B-00010	20020	Sn-126	0.0003 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00010	20020	Sr-90	0.012 U	0.057	0.017	0.485	0.00 - 0.50
5B-00010	20020	Tc-99	-0.039 U	0.26	0.079	1.63	0.00 - 0.50
5B-00010	20020	Te-125m	0.0268 SK	0.0067	0.0021	0.0838	0.00 - 0.50
5B-00010	20020	Th-228	0.949	0.013	0.049	3.98	0.00 - 0.50
5B-00010	20020	Th-229	0.0055	0.0075	0.0027	0.145	0.00 - 0.50
5B-00010	20020	Th-230	0.799	0.006	0.042	2.2	0.00 - 0.50
5B-00010	20020	Th-232	0.962	0.008	0.049	3.1	0.00 - 0.50
5B-00010	20020	Th-234	1.16 R	0.12	0.071	3.19	0.00 - 0.50
5B-00010	20020	Tl-208	0.372	0.014	0.015	0.937	0.00 - 0.50
5B-00010	20020	Tm-171	-0.02 U J	4.7	1.4	72.4	0.00 - 0.50
5B-00010	20020	U-233/234	0.695	0.002	0.036	2.02	0.00 - 0.50
5B-00010	20020	U-235/236	0.0315	0.0023	0.0053	0.151	0.00 - 0.50
5B-00010	20020	U-238	0.693	0.002	0.036	1.8	0.00 - 0.50
5B-00011	20022	Ac-227	0.043 U	0.14	0.06	0.217	0.00 - 0.50
5B-00011	20022	Ac-228	1.02	0.097	0.04	2.4	0.00 - 0.50
5B-00011	20022	Am-241	0.0022	0.0053	0.0017	0.0454	0.00 - 0.50
5B-00011	20022	Bi-212	0.83	0.13	0.072	2.15	0.00 - 0.50
5B-00011	20022	Bi-214	0.716	0.029	0.028	1.59	0.00 - 0.50
5B-00011	20022	C-14	0.034	0.039	0.012	2.96	0.00 - 0.50
5B-00011	20022	Cd-113m	11 U	38	11	3030	0.00 - 0.50
5B-00011	20022	Cm-243/244	-7E-04 U	0.011	0.0027	0.0443	0.00 - 0.50
5B-00011	20022	Cm-245/246	0 U	0.0019	0.0008	0.0401	0.00 - 0.50
5B-00011	20022	Cm-247/248	0 U	0.0019	0.0008	0.0306	0.00 - 0.50
5B-00011	20022	Co-60	0.0057 U	0.02	0.006	0.028	0.00 - 0.50
5B-00011	20022	Cs-134	-0.005 U	0.017	0.0051	0.0864	0.00 - 0.50
5B-00011	20022	Cs-137	0.0134	0.019	0.0075	0.207	0.00 - 0.50
5B-00011	20022	Eu-152	0.01 U	0.04	0.012	0.0566	0.00 - 0.50
5B-00011	20022	Eu-154	-0.003 U J	0.11	0.033	0.15	0.00 - 0.50
5B-00011	20022	Eu-155	0.011 U	0.033	0.01	0.231	0.00 - 0.50
5B-00011	20022	H-3	-0.004 U	0.18	0.053	11.9	0.00 - 0.50
5B-00011	20022	Ho-166m	0.0329 JSK	0.026	0.006	0.0432	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00011	20022	K-40	20	0.16	0.61	32.4	0.00 - 0.50
5B-00011	20022	Na-22	-0.002 U	0.026	0.0078	0.037	0.00 - 0.50
5B-00011	20022	Nb-94	0.0053 U	0.014	0.0043	0.0214	0.00 - 0.50
5B-00011	20022	Np-236	0.0019 U	0.026	0.0078	0.047	0.00 - 0.50
5B-00011	20022	Np-239	0.008 U	0.086	0.026	0.139	0.00 - 0.50
5B-00011	20022	Pa-231	-0.08 U	0.59	0.18	0.936	0.00 - 0.50
5B-00011	20022	Pb-212	1.31	0.023	0.054	2.69	0.00 - 0.50
5B-00011	20022	Pb-214	0.842	0.029	0.031	1.7	0.00 - 0.50
5B-00011	20022	Pu-236	-0.002 U	0.0069	0.0015	7.79	0.00 - 0.50
5B-00011	20022	Pu-238	-0.002 U	0.0052	0.0009	0.0415	0.00 - 0.50
5B-00011	20022	Pu-239/240	0.0005 U	0.0013	0.0005	0.0404	0.00 - 0.50
5B-00011	20022	Pu-244	0.001 U	0.0013	0.0007	0.0313	0.00 - 0.50
5B-00011	20022	Sb-125	0.129 SK	0.04	0.012	0.354	0.00 - 0.50
5B-00011	20022	Sn-126	0.0042 U	0.017	0.005	0.0237	0.00 - 0.50
5B-00011	20022	Sr-90	0.03 U	0.056	0.017	0.485	0.00 - 0.50
5B-00011	20022	Tc-99	-0.06 U	0.33	0.1	1.63	0.00 - 0.50
5B-00011	20022	Te-125m	0.0298 SK	0.0092	0.0027	0.0838	0.00 - 0.50
5B-00011	20022	Th-228	1.04	0.013	0.053	3.98	0.00 - 0.50
5B-00011	20022	Th-229	0.0076	0.0023	0.0025	0.145	0.00 - 0.50
5B-00011	20022	Th-230	0.783	0.002	0.041	2.2	0.00 - 0.50
5B-00011	20022	Th-232	1	0.006	0.051	3.1	0.00 - 0.50
5B-00011	20022	Th-234	1.28	0.15	0.079	3.19	0.00 - 0.50
5B-00011	20022	Tl-208	0.4	0.016	0.015	0.937	0.00 - 0.50
5B-00011	20022	Tm-171	1.4 U J	5.6	1.7	72.4	0.00 - 0.50
5B-00011	20022	U-233/234	0.748	0.011	0.041	2.02	0.00 - 0.50
5B-00011	20022	U-235/236	0.0319	0.0031	0.0062	0.151	0.00 - 0.50
5B-00011	20022	U-238	0.769	0.007	0.042	1.8	0.00 - 0.50
5B-00012	20023	Ac-227	0.04 U	0.11	0.018	0.217	0.00 - 0.50
5B-00012	20023	Ac-228	0.816	0.059	0.032	2.4	0.00 - 0.50
5B-00012	20023	Am-241	0.0031	0.0066	0.0021	0.0454	0.00 - 0.50
5B-00012	20023	Bi-212	0.696	0.11	0.065	2.15	0.00 - 0.50
5B-00012	20023	Bi-214	0.885	0.022	0.034	1.59	0.00 - 0.50
5B-00012	20023	C-14	0.0199	0.027	0.0084	2.96	0.00 - 0.50
5B-00012	20023	Cd-113m	-0.2 U	33	10	3030	0.00 - 0.50
5B-00012	20023	Cm-243/244	0.0012 U	0.0044	0.0012	0.0443	0.00 - 0.50
5B-00012	20023	Cm-245/246	0.0077 J	0.0035	0.0031	0.0401	0.00 - 0.50
5B-00012	20023	Cm-247/248	0.0025	0.0034	0.0018	0.0306	0.00 - 0.50
5B-00012	20023	Co-60	0.0016 U	0.012	0.003	0.028	0.00 - 0.50
5B-00012	20023	Cs-134	0.0111 U	0.036	0.0033	0.0864	0.00 - 0.50
5B-00012	20023	Cs-137	0.0033 U	0.012	0.0037	0.207	0.00 - 0.50
5B-00012	20023	Eu-152	0.0099	0.02	0.0061	0.0566	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00012	20023	Eu-154	-6E-04 U	0.077	0.023	0.15	0.00 - 0.50
5B-00012	20023	Eu-155	0.056 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00012	20023	H-3	0.042 U	0.21	0.063	11.9	0.00 - 0.50
5B-00012	20023	Ho-166m	0.0015 U J	0.019	0.0012	0.0432	0.00 - 0.50
5B-00012	20023	K-40	22.2	0.14	0.74	32.4	0.00 - 0.50
5B-00012	20023	Na-22	0.001 U	0.015	0.0044	0.037	0.00 - 0.50
5B-00012	20023	Nb-94	0.0028 U	0.01	0.0023	0.0214	0.00 - 0.50
5B-00012	20023	Ni-59	0 U	0.38	0.12	5.96	0.00 - 0.50
5B-00012	20023	Ni-63	-0.02 U	0.54	0.16	4.92	0.00 - 0.50
5B-00012	20023	Np-236	-0.014 U	0.023	0.007	0.047	0.00 - 0.50
5B-00012	20023	Np-239	0 U	0.073	0.016	0.139	0.00 - 0.50
5B-00012	20023	Pa-231	0.18 U	0.46	0.1	0.936	0.00 - 0.50
5B-00012	20023	Pb-212	1.05	0.022	0.056	2.69	0.00 - 0.50
5B-00012	20023	Pb-214	0.995	0.023	0.037	1.7	0.00 - 0.50
5B-00012	20023	Pu-236	0.0004 U	0.0011	0.0004	7.79	0.00 - 0.50
5B-00012	20023	Pu-238	-0.001 U	0.0042	0.0008	0.0415	0.00 - 0.50
5B-00012	20023	Pu-239/240	0.0012	0.0011	0.0007	0.0404	0.00 - 0.50
5B-00012	20023	Pu-244	0.0027	0.0029	0.0012	0.0313	0.00 - 0.50
5B-00012	20023	Sb-125	0.0764 SK	0.032	0.007	0.354	0.00 - 0.50
5B-00012	20023	Sn-126	-6E-04 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00012	20023	Sr-90	0.011 U	0.057	0.017	0.485	0.00 - 0.50
5B-00012	20023	Tc-99	-0.055 U	0.32	0.096	1.63	0.00 - 0.50
5B-00012	20023	Te-125m	0.0176 SK	0.0075	0.0016	0.0838	0.00 - 0.50
5B-00012	20023	Th-228	0.881	0.014	0.046	3.98	0.00 - 0.50
5B-00012	20023	Th-229	0.0035	0.0019	0.0016	0.145	0.00 - 0.50
5B-00012	20023	Th-230	1.03	0.008	0.052	2.2	0.00 - 0.50
5B-00012	20023	Th-232	0.814	0.006	0.043	3.1	0.00 - 0.50
5B-00012	20023	Th-234	1.31 R	0.13	0.077	3.19	0.00 - 0.50
5B-00012	20023	Tl-208	0.309	0.014	0.014	0.937	0.00 - 0.50
5B-00012	20023	Tm-171	0.08 U J	5.5	1.6	72.4	0.00 - 0.50
5B-00012	20023	U-233/234	0.821	0.008	0.046	2.02	0.00 - 0.50
5B-00012	20023	U-235/236	0.0588	0.0037	0.0093	0.151	0.00 - 0.50
5B-00012	20023	U-238	0.858	0.008	0.047	1.8	0.00 - 0.50
5B-00013	20026	Ac-227	0.282 J RZ	0.084	0.016	0.217	0.00 - 0.50
5B-00013	20026	Ac-228	1.02	0.079	0.039	2.4	0.00 - 0.50
5B-00013	20026	Am-241	0.0049	0.009	0.003	0.0454	0.00 - 0.50
5B-00013	20026	Bi-212	0.754	0.1	0.059	2.15	0.00 - 0.50
5B-00013	20026	Bi-214	0.815	0.021	0.031	1.59	0.00 - 0.50
5B-00013	20026	C-14	0.0241 R	0.022	0.0069	2.96	0.00 - 0.50
5B-00013	20026	Cd-113m	-0.4 U	34	10	3030	0.00 - 0.50
5B-00013	20026	Cm-243/244	-0.002 U	0.011	0.0025	0.0443	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00013	20026	Cm-245/246	0.0011 U	0.0039	0.0011	0.0401	0.00 - 0.50
5B-00013	20026	Cm-247/248	0 U	0.0014	0.0006	0.0306	0.00 - 0.50
5B-00013	20026	Co-60	0.0008 U	0.01	0.0031	0.028	0.00 - 0.50
5B-00013	20026	Cs-134	0.0031 U	0.045	0.0013	0.0864	0.00 - 0.50
5B-00013	20026	Cs-137	0.0018 U	0.013	0.0039	0.207	0.00 - 0.50
5B-00013	20026	Eu-152	0.0048 U	0.032	0.004	0.0566	0.00 - 0.50
5B-00013	20026	Eu-154	-0.022 U	0.081	0.024	0.15	0.00 - 0.50
5B-00013	20026	Eu-155	0.062 SK	0.028	0.012	0.231	0.00 - 0.50
5B-00013	20026	H-3	0.027 U	0.19	0.057	11.9	0.00 - 0.50
5B-00013	20026	Ho-166m	0.0066 U	0.02	0.0037	0.0432	0.00 - 0.50
5B-00013	20026	K-40	21.9	0.15	0.73	32.4	0.00 - 0.50
5B-00013	20026	Na-22	0.005 U	0.014	0.0041	0.037	0.00 - 0.50
5B-00013	20026	Nb-94	0.0066 SK	0.011	0.0034	0.0214	0.00 - 0.50
5B-00013	20026	Ni-59	0 U	0.14	0.038	5.96	0.00 - 0.50
5B-00013	20026	Ni-63	-0.11 U	0.53	0.16	4.92	0.00 - 0.50
5B-00013	20026	Np-236	-8E-04 U	0.023	0.007	0.047	0.00 - 0.50
5B-00013	20026	Np-239	0.002 U	0.075	0.022	0.139	0.00 - 0.50
5B-00013	20026	Pa-231	0.004 U	0.5	0.01	0.936	0.00 - 0.50
5B-00013	20026	Pb-212	1.22	0.027	0.066	2.69	0.00 - 0.50
5B-00013	20026	Pb-214	0.899	0.023	0.034	1.7	0.00 - 0.50
5B-00013	20026	Pu-236	-5E-04 U	0.0039	0.0006	7.79	0.00 - 0.50
5B-00013	20026	Pu-238	0.001 U	0.0038	0.0011	0.0415	0.00 - 0.50
5B-00013	20026	Pu-239/240	0.0026	0.0048	0.0016	0.0404	0.00 - 0.50
5B-00013	20026	Pu-244	0.0026	0.0014	0.0012	0.0313	0.00 - 0.50
5B-00013	20026	Sb-125	0.109 SK	0.034	0.0091	0.354	0.00 - 0.50
5B-00013	20026	Sn-126	0.0034 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00013	20026	Sr-90	0.003 U	0.05	0.014	0.485	0.00 - 0.50
5B-00013	20026	Tc-99	-0.09 U	0.34	0.1	1.63	0.00 - 0.50
5B-00013	20026	Te-125m	0.0253 SK	0.0078	0.0021	0.0838	0.00 - 0.50
5B-00013	20026	Th-228	0.995	0.006	0.049	3.98	0.00 - 0.50
5B-00013	20026	Th-229	0.0082	0.0067	0.0031	0.145	0.00 - 0.50
5B-00013	20026	Th-230	0.826	0.006	0.042	2.2	0.00 - 0.50
5B-00013	20026	Th-232	0.907	0.002	0.045	3.1	0.00 - 0.50
5B-00013	20026	Th-234	1.25 R	0.13	0.076	3.19	0.00 - 0.50
5B-00013	20026	Tl-208	0.388	0.014	0.016	0.937	0.00 - 0.50
5B-00013	20026	Tm-171	-2.5 U J	5.3	1.6	72.4	0.00 - 0.50
5B-00013	20026	U-233/234	0.788	0.009	0.045	2.02	0.00 - 0.50
5B-00013	20026	U-235/236	0.0609	0.0039	0.0097	0.151	0.00 - 0.50
5B-00013	20026	U-238	0.815	0.003	0.046	1.8	0.00 - 0.50
5B-00014	20027	Ac-227	-0.03 U	0.11	0.034	0.217	3.00 - 5.00
5B-00014	20027	Ac-228	1.07	0.061	0.038	2.4	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00014	20027	Am-241	0.0043	0.0019	0.0018	0.0454	3.00 - 5.00
5B-00014	20027	Bi-212	0.889	0.099	0.064	2.15	3.00 - 5.00
5B-00014	20027	Bi-214	0.763	0.02	0.029	1.59	3.00 - 5.00
5B-00014	20027	C-14	0.015 U	0.034	0.011	2.96	3.00 - 5.00
5B-00014	20027	Cd-113m	-4.5 U	32	9.5	3030	3.00 - 5.00
5B-00014	20027	Cm-243/244	0.0035	0.0051	0.0019	0.0443	3.00 - 5.00
5B-00014	20027	Cm-245/246	0.0044 J	0.0054	0.0021	0.0401	3.00 - 5.00
5B-00014	20027	Cm-247/248	0 U	0.0019	0.0008	0.0306	3.00 - 5.00
5B-00014	20027	Co-60	0 U	0.015	0.0026	0.028	3.00 - 5.00
5B-00014	20027	Cs-134	0.0103 U J	0.039	0.0039	0.0864	3.00 - 5.00
5B-00014	20027	Cs-137	-0.001 U	0.011	0.0033	0.207	3.00 - 5.00
5B-00014	20027	Eu-152	0.0201 J	0.029	0.0099	0.0566	3.00 - 5.00
5B-00014	20027	Eu-154	0.0003 U	0.07	0.021	0.15	3.00 - 5.00
5B-00014	20027	Eu-155	0.066 SK	0.029	0.013	0.231	3.00 - 5.00
5B-00014	20027	H-3	0.047 U	0.17	0.053	11.9	3.00 - 5.00
5B-00014	20027	Ho-166m	0.0035 U	0.017	0.0021	0.0432	3.00 - 5.00
5B-00014	20027	K-40	21.2	0.12	0.7	32.4	3.00 - 5.00
5B-00014	20027	Na-22	0.0012 U J	0.015	0.0044	0.037	3.00 - 5.00
5B-00014	20027	Nb-94	0.0059 SK	0.01	0.0031	0.0214	3.00 - 5.00
5B-00014	20027	Ni-59	0 U	0.5	0.11	5.96	3.00 - 5.00
5B-00014	20027	Ni-63	0.4	0.65	0.2	4.92	3.00 - 5.00
5B-00014	20027	Np-236	-0.006 U	0.023	0.007	0.047	3.00 - 5.00
5B-00014	20027	Np-239	-0.004 U	0.061	0.018	0.139	3.00 - 5.00
5B-00014	20027	Pa-231	0.05 U	0.47	0.14	0.936	3.00 - 5.00
5B-00014	20027	Pb-212	1.4	0.018	0.074	2.69	3.00 - 5.00
5B-00014	20027	Pb-214	0.882	0.02	0.033	1.7	3.00 - 5.00
5B-00014	20027	Pu-236	0 U	0.002	0.0006	7.79	3.00 - 5.00
5B-00014	20027	Pu-238	0.0022	0.002	0.0013	0.0415	3.00 - 5.00
5B-00014	20027	Pu-239/240	0.004	0.0044	0.0019	0.0404	3.00 - 5.00
5B-00014	20027	Pu-244	0.0037	0.002	0.0017	0.0313	3.00 - 5.00
5B-00014	20027	Sb-125	0.0928 SK	0.032	0.0068	0.354	3.00 - 5.00
5B-00014	20027	Sn-126	0.0037 U	0.012	0.0035	0.0237	3.00 - 5.00
5B-00014	20027	Sr-90	0.014 U	0.048	0.014	0.485	3.00 - 5.00
5B-00014	20027	Tc-99	-0.018 U	0.31	0.094	1.63	3.00 - 5.00
5B-00014	20027	Te-125m	0.0214 SK	0.0073	0.0016	0.0838	3.00 - 5.00
5B-00014	20027	Th-228	1.32	0.024	0.07	3.98	3.00 - 5.00
5B-00014	20027	Th-229	0.0055	0.012	0.0038	0.145	3.00 - 5.00
5B-00014	20027	Th-230	0.868	0.01	0.05	2.2	3.00 - 5.00
5B-00014	20027	Th-232	1.21	0.009	0.065	3.1	3.00 - 5.00
5B-00014	20027	Th-234	1.25	0.12	0.073	3.19	3.00 - 5.00
5B-00014	20027	Tl-208	0.412	0.015	0.017	0.937	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00014	20027	Tm-171	-1.2 U J	4.9	1.5	72.4	3.00 - 5.00
5B-00014	20027	U-233/234	0.764	0.001	0.037	2.02	3.00 - 5.00
5B-00014	20027	U-235/236	0.0343	0.0014	0.0044	0.151	3.00 - 5.00
5B-00014	20027	U-238	0.785	0.003	0.038	1.8	3.00 - 5.00
5B-00014	20028	Ac-227	0.057	0.11	0.017	0.217	0.00 - 0.50
5B-00014	20028	Ac-228	0.879	0.057	0.032	2.4	0.00 - 0.50
5B-00014	20028	Am-241	0 U	0.014	0.0036	0.0454	0.00 - 0.50
5B-00014	20028	Bi-212	0.861	0.099	0.066	2.15	0.00 - 0.50
5B-00014	20028	Bi-214	0.726	0.022	0.029	1.59	0.00 - 0.50
5B-00014	20028	C-14	0.035	0.035	0.011	2.96	0.00 - 0.50
5B-00014	20028	Cd-113m	-2.5 U	26	7.8	3030	0.00 - 0.50
5B-00014	20028	Cm-243/244	0 U	0.014	0.0035	0.0443	0.00 - 0.50
5B-00014	20028	Cm-245/246	-3E-04 U J	0.0099	0.0019	0.0401	0.00 - 0.50
5B-00014	20028	Cm-247/248	0.0005 U	0.0079	0.0016	0.0306	0.00 - 0.50
5B-00014	20028	Co-60	-0.004 U	0.014	0.0042	0.028	0.00 - 0.50
5B-00014	20028	Cs-134	0.0178 SK	0.007	0.0025	0.0864	0.00 - 0.50
5B-00014	20028	Cs-137	-0.001 U	0.012	0.0036	0.207	0.00 - 0.50
5B-00014	20028	Eu-152	-0.005 U	0.03	0.0091	0.0566	0.00 - 0.50
5B-00014	20028	Eu-154	0.018 U	0.05	0.015	0.15	0.00 - 0.50
5B-00014	20028	Eu-155	0.071 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00014	20028	H-3	0.074 U	0.2	0.062	11.9	0.00 - 0.50
5B-00014	20028	Ho-166m	0.024 JSK	0.018	0.0036	0.0432	0.00 - 0.50
5B-00014	20028	K-40	21	0.15	0.7	32.4	0.00 - 0.50
5B-00014	20028	Na-22	-0.003 U	0.018	0.0054	0.037	0.00 - 0.50
5B-00014	20028	Nb-94	0.002 U	0.01	0.0025	0.0214	0.00 - 0.50
5B-00014	20028	Ni-59	0 U	0.33	0.096	5.96	0.00 - 0.50
5B-00014	20028	Ni-63	-0.09 U	0.54	0.16	4.92	0.00 - 0.50
5B-00014	20028	Np-236	-0.003 U	0.025	0.0074	0.047	0.00 - 0.50
5B-00014	20028	Np-239	0.006 U	0.071	0.021	0.139	0.00 - 0.50
5B-00014	20028	Pa-231	0.06 U	0.46	0.056	0.936	0.00 - 0.50
5B-00014	20028	Pb-212	1.12	0.019	0.059	2.69	0.00 - 0.50
5B-00014	20028	Pb-214	0.847	0.021	0.032	1.7	0.00 - 0.50
5B-00014	20028	Pu-236	-0.002 U	0.0072	0.0017	7.79	0.00 - 0.50
5B-00014	20028	Pu-238	0 U	0.0032	0.0007	0.0415	0.00 - 0.50
5B-00014	20028	Pu-239/240	-9E-04 U	0.004	0.0007	0.0404	0.00 - 0.50
5B-00014	20028	Pu-244	0.0009 U	0.0012	0.0006	0.0313	0.00 - 0.50
5B-00014	20028	Sb-125	0.091 SK	0.031	0.008	0.354	0.00 - 0.50
5B-00014	20028	Sn-126	-2E-04 U	0.011	0.0031	0.0237	0.00 - 0.50
5B-00014	20028	Sr-90	0.043	0.066	0.02	0.485	0.00 - 0.50
5B-00014	20028	Tc-99	-0.078 U	0.26	0.078	1.63	0.00 - 0.50
5B-00014	20028	Te-125m	0.021 SK	0.0072	0.0018	0.0838	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00014	20028	Th-228	0.902	0.016	0.05	3.98	0.00 - 0.50
5B-00014	20028	Th-229	0.005	0.0027	0.0023	0.145	0.00 - 0.50
5B-00014	20028	Th-230	0.914	0.009	0.051	2.2	0.00 - 0.50
5B-00014	20028	Th-232	0.908	0.003	0.05	3.1	0.00 - 0.50
5B-00014	20028	Th-234	1.28 R	0.12	0.075	3.19	0.00 - 0.50
5B-00014	20028	Tl-208	0.349	0.014	0.015	0.937	0.00 - 0.50
5B-00014	20028	Tm-171	-2.1 U J	5.2	1.6	72.4	0.00 - 0.50
5B-00014	20028	U-233/234	0.732	0.002	0.04	2.02	0.00 - 0.50
5B-00014	20028	U-235/236	0.0361	0.0031	0.0066	0.151	0.00 - 0.50
5B-00014	20028	U-238	0.732	0.002	0.04	1.8	0.00 - 0.50
5B-00015	20029	Ac-227	0.102	0.099	0.038	0.217	3.00 - 5.00
5B-00015	20029	Ac-228	0.978	0.073	0.035	2.4	3.00 - 5.00
5B-00015	20029	Am-241	0.0037	0.0017	0.0015	0.0454	3.00 - 5.00
5B-00015	20029	Bi-212	0.838	0.11	0.064	2.15	3.00 - 5.00
5B-00015	20029	Bi-214	0.742	0.024	0.027	1.59	3.00 - 5.00
5B-00015	20029	C-14	0.007 U	0.033	0.01	2.96	3.00 - 5.00
5B-00015	20029	Cd-113m	19	29	11	3030	3.00 - 5.00
5B-00015	20029	Cm-243/244	0.0018 U	0.0056	0.0017	0.0443	3.00 - 5.00
5B-00015	20029	Cm-245/246	0.0031 J	0.0073	0.0023	0.0401	3.00 - 5.00
5B-00015	20029	Cm-247/248	0 U	0.0021	0.0009	0.0306	3.00 - 5.00
5B-00015	20029	Co-60	-5E-04 U	0.018	0.0052	0.028	3.00 - 5.00
5B-00015	20029	Cs-134	0.0117 U	0.027	0.004	0.0864	3.00 - 5.00
5B-00015	20029	Cs-137	0.0056 U	0.015	0.0056	0.207	3.00 - 5.00
5B-00015	20029	Eu-152	0.02 K,R	0.035	0.011	0.0566	3.00 - 5.00
5B-00015	20029	Eu-154	0.016 U	0.097	0.014	0.15	3.00 - 5.00
5B-00015	20029	Eu-155	0.054 SK	0.031	0.012	0.231	3.00 - 5.00
5B-00015	20029	H-3	0.045 U	0.18	0.054	11.9	3.00 - 5.00
5B-00015	20029	Ho-166m	0.013 JSK	0.023	0.0096	0.0432	3.00 - 5.00
5B-00015	20029	K-40	19.4	0.13	0.59	32.4	3.00 - 5.00
5B-00015	20029	Na-22	-0.007 U	0.023	0.007	0.037	3.00 - 5.00
5B-00015	20029	Nb-94	0.005 U	0.013	0.0039	0.0214	3.00 - 5.00
5B-00015	20029	Ni-59	0 U	0.48	0.14	5.96	3.00 - 5.00
5B-00015	20029	Ni-63	0.19 U	0.65	0.2	4.92	3.00 - 5.00
5B-00015	20029	Np-236	0.0067 U	0.026	0.0079	0.047	3.00 - 5.00
5B-00015	20029	Np-239	0.029	0.06	0.021	0.139	3.00 - 5.00
5B-00015	20029	Pa-231	0.02 U	0.53	0.16	0.936	3.00 - 5.00
5B-00015	20029	Pb-212	1.21	0.024	0.05	2.69	3.00 - 5.00
5B-00015	20029	Pb-214	0.823	0.023	0.028	1.7	3.00 - 5.00
5B-00015	20029	Pu-236	-4E-04 U	0.0039	0.0004	7.79	3.00 - 5.00
5B-00015	20029	Pu-238	0.0007 U	0.0018	0.0007	0.0415	3.00 - 5.00
5B-00015	20029	Pu-239/240	0.0007 U	0.0018	0.0007	0.0404	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00015	20029	Pu-244	-4E-04 U	0.0039	0.0004	0.0313	3.00 - 5.00
5B-00015	20029	Sb-125	0.124 JSK	0.034	0.011	0.354	3.00 - 5.00
5B-00015	20029	Sn-126	0.0091	0.0098	0.0038	0.0237	3.00 - 5.00
5B-00015	20029	Sr-90	0.04	0.04	0.013	0.485	3.00 - 5.00
5B-00015	20029	Tc-99	-0.004 U	0.33	0.099	1.63	3.00 - 5.00
5B-00015	20029	Te-125m	0.0287 JSK	0.0079	0.0026	0.0838	3.00 - 5.00
5B-00015	20029	Th-228	1.1	0.014	0.056	3.98	3.00 - 5.00
5B-00015	20029	Th-229	0.0061	0.0023	0.0023	0.145	3.00 - 5.00
5B-00015	20029	Th-230	0.789	0.011	0.043	2.2	3.00 - 5.00
5B-00015	20029	Th-232	1.01	0.009	0.053	3.1	3.00 - 5.00
5B-00015	20029	Th-234	1.15 R	0.13	0.067	3.19	3.00 - 5.00
5B-00015	20029	Tl-208	0.383	0.015	0.015	0.937	3.00 - 5.00
5B-00015	20029	Tm-171	1.9 U	5.2	1.6	72.4	3.00 - 5.00
5B-00015	20029	U-233/234	0.717	0.003	0.041	2.02	3.00 - 5.00
5B-00015	20029	U-235/236	0.0342	0.01	0.0073	0.151	3.00 - 5.00
5B-00015	20029	U-238	0.774	0.012	0.044	1.8	3.00 - 5.00
5B-00016	20030	Ac-227	0.0278 U	0.098	0.0074	0.217	3.00 - 5.00
5B-00016	20030	Ac-228	0.923	0.055	0.033	2.4	3.00 - 5.00
5B-00016	20030	Am-241	0.0015 U	0.0054	0.0015	0.0454	3.00 - 5.00
5B-00016	20030	Bi-212	0.724	0.092	0.056	2.15	3.00 - 5.00
5B-00016	20030	Bi-214	0.744	0.02	0.029	1.59	3.00 - 5.00
5B-00016	20030	C-14	0.0003 U	0.033	0.0097	2.96	3.00 - 5.00
5B-00016	20030	Cd-113m	0.8 U	29	8.9	3030	3.00 - 5.00
5B-00016	20030	Cm-243/244	0.0014 U	0.0019	0.001	0.0443	3.00 - 5.00
5B-00016	20030	Cm-245/246	0.0033 J	0.0022	0.0017	0.0401	3.00 - 5.00
5B-00016	20030	Cm-247/248	0 U	0.0022	0.0009	0.0306	3.00 - 5.00
5B-00016	20030	Co-60	0.002 U	0.013	0.0031	0.028	3.00 - 5.00
5B-00016	20030	Cs-134	0.0096 SK	0.0078	0.0037	0.0864	3.00 - 5.00
5B-00016	20030	Cs-137	-3E-04 U	0.01	0.003	0.207	3.00 - 5.00
5B-00016	20030	Eu-152	-0.01 U	0.028	0.0083	0.0566	3.00 - 5.00
5B-00016	20030	Eu-154	-0.03 U	0.07	0.021	0.15	3.00 - 5.00
5B-00016	20030	Eu-155	0.044 SK	0.028	0.012	0.231	3.00 - 5.00
5B-00016	20030	H-3	0.082 U	0.18	0.055	11.9	3.00 - 5.00
5B-00016	20030	Ho-166m	0.0226 JSK	0.017	0.003	0.0432	3.00 - 5.00
5B-00016	20030	K-40	20.2	0.13	0.67	32.4	3.00 - 5.00
5B-00016	20030	Na-22	-0.002 U	0.017	0.005	0.037	3.00 - 5.00
5B-00016	20030	Nb-94	0.0047 SK	0.0092	0.0028	0.0214	3.00 - 5.00
5B-00016	20030	Ni-59	0 U	0.34	0.098	5.96	3.00 - 5.00
5B-00016	20030	Ni-63	0.15 U	0.56	0.17	4.92	3.00 - 5.00
5B-00016	20030	Np-236	-0.005 U	0.023	0.007	0.047	3.00 - 5.00
5B-00016	20030	Np-239	-0.002 U	0.055	0.016	0.139	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00016	20030	Pa-231	-0.009 U	0.42	0.13	0.936	3.00 - 5.00
5B-00016	20030	Pb-212	1.18	0.017	0.062	2.69	3.00 - 5.00
5B-00016	20030	Pb-214	0.808	0.02	0.031	1.7	3.00 - 5.00
5B-00016	20030	Pu-236	0 U	0.0018	0.0006	7.79	3.00 - 5.00
5B-00016	20030	Pu-238	0 U	0.0018	0.0006	0.0415	3.00 - 5.00
5B-00016	20030	Pu-239/240	0.0033	0.0018	0.0015	0.0404	3.00 - 5.00
5B-00016	20030	Pu-244	0.0046	0.0018	0.0018	0.0313	3.00 - 5.00
5B-00016	20030	Sb-125	0.0845 JSK	0.026	0.0061	0.354	3.00 - 5.00
5B-00016	20030	Sn-126	-2E-04 U	0.011	0.0031	0.0237	3.00 - 5.00
5B-00016	20030	Sr-90	0.042	0.05	0.016	0.485	3.00 - 5.00
5B-00016	20030	Tc-99	-0.053 U	0.33	0.098	1.63	3.00 - 5.00
5B-00016	20030	Te-125m	0.0195 JSK	0.006	0.0014	0.0838	3.00 - 5.00
5B-00016	20030	Th-228	1.07	0.017	0.056	3.98	3.00 - 5.00
5B-00016	20030	Th-229	0.0064	0.006	0.0026	0.145	3.00 - 5.00
5B-00016	20030	Th-230	0.849	0.011	0.046	2.2	3.00 - 5.00
5B-00016	20030	Th-232	0.978	0.003	0.052	3.1	3.00 - 5.00
5B-00016	20030	Th-234	1.19 R	0.12	0.07	3.19	3.00 - 5.00
5B-00016	20030	Tl-208	0.352	0.012	0.014	0.937	3.00 - 5.00
5B-00016	20030	Tm-171	-4 R U J	3.9	1.2	72.4	3.00 - 5.00
5B-00016	20030	U-233/234	0.825	0.009	0.045	2.02	3.00 - 5.00
5B-00016	20030	U-235/236	0.0362	0.0092	0.0071	0.151	3.00 - 5.00
5B-00016	20030	U-238	0.824	0.007	0.045	1.8	3.00 - 5.00
5B-00017	20031	Ac-227	0.286 K,R	0.11	0.015	0.217	3.00 - 5.00
5B-00017	20031	Ac-228	1.04	0.055	0.038	2.4	3.00 - 5.00
5B-00017	20031	Am-241	0.0031	0.0075	0.0023	0.0454	3.00 - 5.00
5B-00017	20031	Bi-212	0.795	0.094	0.059	2.15	3.00 - 5.00
5B-00017	20031	Bi-214	0.604	0.017	0.023	1.59	3.00 - 5.00
5B-00017	20031	C-14	0.006 U	0.028	0.0085	2.96	3.00 - 5.00
5B-00017	20031	Cd-113m	0.1 U	30	9.1	3030	3.00 - 5.00
5B-00017	20031	Cm-243/244	0.0092	0.0017	0.0024	0.0443	3.00 - 5.00
5B-00017	20031	Cm-245/246	0.0007 U J	0.002	0.0007	0.0401	3.00 - 5.00
5B-00017	20031	Cm-247/248	0.0029	0.002	0.0015	0.0306	3.00 - 5.00
5B-00017	20031	Co-60	0.0011 U	0.013	0.0023	0.028	3.00 - 5.00
5B-00017	20031	Cs-134	0.0154 U	0.035	0.0038	0.0864	3.00 - 5.00
5B-00017	20031	Cs-137	-3E-04 U	0.012	0.0034	0.207	3.00 - 5.00
5B-00017	20031	Eu-152	-0.006 U	0.028	0.0084	0.0566	3.00 - 5.00
5B-00017	20031	Eu-154	-0.019 U	0.076	0.023	0.15	3.00 - 5.00
5B-00017	20031	Eu-155	0.03 SK	0.027	0.0083	0.231	3.00 - 5.00
5B-00017	20031	H-3	0.0008 U	0.18	0.053	11.9	3.00 - 5.00
5B-00017	20031	Ho-166m	0.001 U J	0.018	0.0007	0.0432	3.00 - 5.00
5B-00017	20031	K-40	21	0.12	0.69	32.4	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00017	20031	Na-22	0.0028 U	0.017	0.0051	0.037	3.00 - 5.00
5B-00017	20031	Nb-94	0.0038 U	0.01	0.0031	0.0214	3.00 - 5.00
5B-00017	20031	Ni-59	0 U	0.33	0.1	5.96	3.00 - 5.00
5B-00017	20031	Ni-63	0.08 U	0.57	0.17	4.92	3.00 - 5.00
5B-00017	20031	Np-236	-0.003 U	0.024	0.0072	0.047	3.00 - 5.00
5B-00017	20031	Np-239	0.017 U	0.06	0.018	0.139	3.00 - 5.00
5B-00017	20031	Pa-231	0.08 U	0.42	0.13	0.936	3.00 - 5.00
5B-00017	20031	Pb-212	1.27	0.017	0.067	2.69	3.00 - 5.00
5B-00017	20031	Pb-214	0.694	0.019	0.027	1.7	3.00 - 5.00
5B-00017	20031	Pu-236	-4E-04 U	0.0039	0.0004	7.79	3.00 - 5.00
5B-00017	20031	Pu-238	0.0007 U	0.0018	0.0007	0.0415	3.00 - 5.00
5B-00017	20031	Pu-239/240	0.0013	0.0018	0.0009	0.0404	3.00 - 5.00
5B-00017	20031	Pu-244	0.0026	0.0018	0.0013	0.0313	3.00 - 5.00
5B-00017	20031	Sb-125	0.121 JSK	0.03	0.011	0.354	3.00 - 5.00
5B-00017	20031	Sn-126	0.0031 U	0.011	0.0032	0.0237	3.00 - 5.00
5B-00017	20031	Sr-90	0.021 U	0.049	0.015	0.485	3.00 - 5.00
5B-00017	20031	Tc-99	-0.066 U	0.32	0.094	1.63	3.00 - 5.00
5B-00017	20031	Te-125m	0.0279 JSK	0.0069	0.0025	0.0838	3.00 - 5.00
5B-00017	20031	Th-228	1	0.015	0.053	3.98	3.00 - 5.00
5B-00017	20031	Th-229	0.0131	0.0025	0.0035	0.145	3.00 - 5.00
5B-00017	20031	Th-230	0.766	0.007	0.042	2.2	3.00 - 5.00
5B-00017	20031	Th-232	0.92	0.007	0.049	3.1	3.00 - 5.00
5B-00017	20031	Th-234	1.24 R	0.12	0.071	3.19	3.00 - 5.00
5B-00017	20031	Tl-208	0.38	0.013	0.015	0.937	3.00 - 5.00
5B-00017	20031	Tm-171	-1.2 U	4.4	1.3	72.4	3.00 - 5.00
5B-00017	20031	U-233/234	0.698	0.012	0.04	2.02	3.00 - 5.00
5B-00017	20031	U-235/236	0.0397	0.012	0.0077	0.151	3.00 - 5.00
5B-00017	20031	U-238	0.774	0.003	0.043	1.8	3.00 - 5.00
5B-00017	20032	Ac-227	0.063	0.11	0.018	0.217	0.00 - 0.50
5B-00017	20032	Ac-228	0.989	0.064	0.037	2.4	0.00 - 0.50
5B-00017	20032	Am-241	0.0015 U	0.0083	0.0023	0.0454	0.00 - 0.50
5B-00017	20032	Bi-212	0.855	0.11	0.069	2.15	0.00 - 0.50
5B-00017	20032	Bi-214	0.761	0.021	0.029	1.59	0.00 - 0.50
5B-00017	20032	C-14	0.0391	0.027	0.0089	2.96	0.00 - 0.50
5B-00017	20032	Cd-113m	4 U	33	9.9	3030	0.00 - 0.50
5B-00017	20032	Cm-243/244	0.0015 U	0.0056	0.0016	0.0443	0.00 - 0.50
5B-00017	20032	Cm-245/246	0.0009 U J	0.0025	0.0009	0.0401	0.00 - 0.50
5B-00017	20032	Cm-247/248	0.0009 U	0.0024	0.0009	0.0306	0.00 - 0.50
5B-00017	20032	Co-60	0.0033 U	0.014	0.0025	0.028	0.00 - 0.50
5B-00017	20032	Cs-134	0.0135 U	0.036	0.0043	0.0864	0.00 - 0.50
5B-00017	20032	Cs-137	0.0049 J	0.009	0.0027	0.207	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00017	20032	Eu-152	0.0109 U	0.03	0.0066	0.0566	0.00 - 0.50
5B-00017	20032	Eu-154	-0.029 U	0.07	0.021	0.15	0.00 - 0.50
5B-00017	20032	Eu-155	0.063 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00017	20032	H-3	0.063 U	0.18	0.056	11.9	0.00 - 0.50
5B-00017	20032	Ho-166m	-0.002 U	0.019	0.0012	0.0432	0.00 - 0.50
5B-00017	20032	K-40	21	0.15	0.7	32.4	0.00 - 0.50
5B-00017	20032	Na-22	0.0047 U	0.017	0.0051	0.037	0.00 - 0.50
5B-00017	20032	Nb-94	0.0065 SK	0.0072	0.0029	0.0214	0.00 - 0.50
5B-00017	20032	Ni-59	0 U	0.15	0.04	5.96	0.00 - 0.50
5B-00017	20032	Ni-63	-0.35 L U	0.51	0.15	4.92	0.00 - 0.50
5B-00017	20032	Np-236	-0.005 U	0.024	0.0071	0.047	0.00 - 0.50
5B-00017	20032	Np-239	0.026 U	0.071	0.022	0.139	0.00 - 0.50
5B-00017	20032	Pa-231	-0.13 U	0.47	0.14	0.936	0.00 - 0.50
5B-00017	20032	Pb-212	1.31	0.02	0.069	2.69	0.00 - 0.50
5B-00017	20032	Pb-214	0.833	0.022	0.032	1.7	0.00 - 0.50
5B-00017	20032	Pu-236	-9E-04 U	0.0054	0.0012	7.79	0.00 - 0.50
5B-00017	20032	Pu-238	0.0004 U	0.0059	0.0016	0.0415	0.00 - 0.50
5B-00017	20032	Pu-239/240	0.0009 U	0.0012	0.0006	0.0404	0.00 - 0.50
5B-00017	20032	Pu-244	0.0009 U	0.0012	0.0006	0.0313	0.00 - 0.50
5B-00017	20032	Sb-125	0.0891 SK	0.03	0.007	0.354	0.00 - 0.50
5B-00017	20032	Sn-126	0.0012 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00017	20032	Sr-90	0.063	0.057	0.019	0.485	0.00 - 0.50
5B-00017	20032	Tc-99	-0.081 U	0.28	0.085	1.63	0.00 - 0.50
5B-00017	20032	Te-125m	0.0206 SK	0.0069	0.0016	0.0838	0.00 - 0.50
5B-00017	20032	Th-228	1.05	0.014	0.058	3.98	0.00 - 0.50
5B-00017	20032	Th-229	0.0076	0.01	0.0037	0.145	0.00 - 0.50
5B-00017	20032	Th-230	0.818	0.004	0.048	2.2	0.00 - 0.50
5B-00017	20032	Th-232	1.07	0.01	0.059	3.1	0.00 - 0.50
5B-00017	20032	Th-234	1.4 R	0.13	0.08	3.19	0.00 - 0.50
5B-00017	20032	Tl-208	0.4	0.014	0.016	0.937	0.00 - 0.50
5B-00017	20032	Tm-171	0.6 U	3.5	1.1	72.4	0.00 - 0.50
5B-00017	20032	U-233/234	0.795	0.009	0.045	2.02	0.00 - 0.50
5B-00017	20032	U-235/236	0.0442	0.004	0.0083	0.151	0.00 - 0.50
5B-00017	20032	U-238	0.761	0.003	0.044	1.8	0.00 - 0.50
5B-00018	20033	Ac-227	0.037 U	0.14	0.058	0.217	3.00 - 5.00
5B-00018	20033	Ac-228	1.27	0.089	0.044	2.4	3.00 - 5.00
5B-00018	20033	Am-241	0.0063	0.0058	0.0026	0.0454	3.00 - 5.00
5B-00018	20033	Bi-212	1.04	0.13	0.075	2.15	3.00 - 5.00
5B-00018	20033	Bi-214	0.899	0.026	0.032	1.59	3.00 - 5.00
5B-00018	20033	C-14	0.022 U	0.047	0.014	2.96	3.00 - 5.00
5B-00018	20033	Cd-113m	-1 U	41	12	3030	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00018	20033	Cm-243/244	0.0023	0.0057	0.0018	0.0443	3.00 - 5.00
5B-00018	20033	Cm-245/246	0.0032 J	0.0029	0.0018	0.0401	3.00 - 5.00
5B-00018	20033	Cm-247/248	-0.001 U	0.0076	0.0012	0.0306	3.00 - 5.00
5B-00018	20033	Co-60	0.0064 U	0.019	0.0036	0.028	3.00 - 5.00
5B-00018	20033	Cs-134	0.0149 U	0.03	0.0048	0.0864	3.00 - 5.00
5B-00018	20033	Cs-137	0.0153	0.015	0.0051	0.207	3.00 - 5.00
5B-00018	20033	Eu-152	0.001 U	0.039	0.012	0.0566	3.00 - 5.00
5B-00018	20033	Eu-154	-0.05 U	0.11	0.033	0.15	3.00 - 5.00
5B-00018	20033	Eu-155	0.078 SK	0.034	0.014	0.231	3.00 - 5.00
5B-00018	20033	H-3	-0.044 U	0.18	0.054	11.9	3.00 - 5.00
5B-00018	20033	Ho-166m	0.0291 JSK	0.025	0.0046	0.0432	3.00 - 5.00
5B-00018	20033	K-40	21.1	0.15	0.64	32.4	3.00 - 5.00
5B-00018	20033	Na-22	0.0054 U	0.025	0.0075	0.037	3.00 - 5.00
5B-00018	20033	Nb-94	0.0029 U	0.015	0.0044	0.0214	3.00 - 5.00
5B-00018	20033	Ni-59	0 U	0.4	0.12	5.96	3.00 - 5.00
5B-00018	20033	Ni-63	0.32 U	0.67	0.2	4.92	3.00 - 5.00
5B-00018	20033	Np-236	0.0001 U	0.029	0.0086	0.047	3.00 - 5.00
5B-00018	20033	Np-239	0.022 U	0.09	0.027	0.139	3.00 - 5.00
5B-00018	20033	Pa-231	-0.17 U	0.59	0.18	0.936	3.00 - 5.00
5B-00018	20033	Pb-212	1.62	0.023	0.066	2.69	3.00 - 5.00
5B-00018	20033	Pb-214	0.985	0.026	0.034	1.7	3.00 - 5.00
5B-00018	20033	Pu-236	-5E-04 U	0.0044	0.0005	7.79	3.00 - 5.00
5B-00018	20033	Pu-238	0.0008 U	0.002	0.0008	0.0415	3.00 - 5.00
5B-00018	20033	Pu-239/240	0.0003 U	0.0044	0.0009	0.0404	3.00 - 5.00
5B-00018	20033	Pu-244	0.0008 U	0.002	0.0008	0.0313	3.00 - 5.00
5B-00018	20033	Sb-125	0.146 JSK	0.031	0.012	0.354	3.00 - 5.00
5B-00018	20033	Sn-126	0.0062 U	0.016	0.005	0.0237	3.00 - 5.00
5B-00018	20033	Sr-90	0.042	0.045	0.014	0.485	3.00 - 5.00
5B-00018	20033	Tc-99	-0.047 U	0.3	0.09	1.63	3.00 - 5.00
5B-00018	20033	Te-125m	0.0337 JSK	0.0071	0.0028	0.0838	3.00 - 5.00
5B-00018	20033	Th-228	1.41	0.024	0.073	3.98	3.00 - 5.00
5B-00018	20033	Th-229	0.0094	0.008	0.0034	0.145	3.00 - 5.00
5B-00018	20033	Th-230	0.98	0.01	0.054	2.2	3.00 - 5.00
5B-00018	20033	Th-232	1.35	0.016	0.07	3.1	3.00 - 5.00
5B-00018	20033	Th-234	0.413 R	0.16	0.052	3.19	3.00 - 5.00
5B-00018	20033	Tl-208	0.51	0.019	0.019	0.937	3.00 - 5.00
5B-00018	20033	Tm-171	1 U	6	1.8	72.4	3.00 - 5.00
5B-00018	20033	U-233/234	0.821	0.007	0.045	2.02	3.00 - 5.00
5B-00018	20033	U-235/236	0.042	0.0091	0.0076	0.151	3.00 - 5.00
5B-00018	20033	U-238	0.82	0.007	0.045	1.8	3.00 - 5.00
5B-00018	20034	Ac-227	0.023 U	0.12	0.036	0.217	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00018	20034	Ac-228	0.975	0.066	0.037	2.4	0.00 - 0.50
5B-00018	20034	Am-241	0.0022 U	0.0067	0.002	0.0454	0.00 - 0.50
5B-00018	20034	Bi-212	0.702	0.1	0.059	2.15	0.00 - 0.50
5B-00018	20034	Bi-214	0.869	0.024	0.034	1.59	0.00 - 0.50
5B-00018	20034	C-14	0.018	0.037	0.011	2.96	0.00 - 0.50
5B-00018	20034	Cd-113m	10 U	34	10	3030	0.00 - 0.50
5B-00018	20034	Cm-243/244	0.0021	0.0019	0.0012	0.0443	0.00 - 0.50
5B-00018	20034	Cm-245/246	0.0031 J	0.0077	0.0024	0.0401	0.00 - 0.50
5B-00018	20034	Cm-247/248	0.0026	0.0035	0.0018	0.0306	0.00 - 0.50
5B-00018	20034	Co-60	0.0016 U	0.016	0.0037	0.028	0.00 - 0.50
5B-00018	20034	Cs-134	0.0074 U	0.045	0.0026	0.0864	0.00 - 0.50
5B-00018	20034	Cs-137	-0.007 U	0.013	0.0041	0.207	0.00 - 0.50
5B-00018	20034	Eu-152	-0.011 U	0.031	0.0095	0.0566	0.00 - 0.50
5B-00018	20034	Eu-154	0.007 U	0.077	0.0068	0.15	0.00 - 0.50
5B-00018	20034	Eu-155	0.055 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00018	20034	H-3	0.072 U	0.21	0.062	11.9	0.00 - 0.50
5B-00018	20034	Ho-166m	0.0095 U J	0.02	0.0073	0.0432	0.00 - 0.50
5B-00018	20034	K-40	22	0.15	0.73	32.4	0.00 - 0.50
5B-00018	20034	Na-22	0.0004 U	0.02	0.0058	0.037	0.00 - 0.50
5B-00018	20034	Nb-94	0.0047 U	0.011	0.0033	0.0214	0.00 - 0.50
5B-00018	20034	Ni-59	0 U	0.22	0.077	5.96	0.00 - 0.50
5B-00018	20034	Ni-63	0 U	0.44	0.13	4.92	0.00 - 0.50
5B-00018	20034	Np-236	-0.006 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00018	20034	Np-239	0.003 U	0.068	0.02	0.139	0.00 - 0.50
5B-00018	20034	Pa-231	0.078 U	0.51	0.075	0.936	0.00 - 0.50
5B-00018	20034	Pb-212	1.12	0.027	0.06	2.69	0.00 - 0.50
5B-00018	20034	Pb-214	0.947	0.021	0.035	1.7	0.00 - 0.50
5B-00018	20034	Pu-236	0.0017	0.0031	0.0011	7.79	0.00 - 0.50
5B-00018	20034	Pu-238	0 U	0.0051	0.0013	0.0415	0.00 - 0.50
5B-00018	20034	Pu-239/240	0.0009 U	0.0031	0.0009	0.0404	0.00 - 0.50
5B-00018	20034	Pu-244	0 U	0.0039	0.0009	0.0313	0.00 - 0.50
5B-00018	20034	Sb-125	0.0859 SK	0.033	0.0077	0.354	0.00 - 0.50
5B-00018	20034	Sn-126	0.0056 U	0.012	0.0038	0.0237	0.00 - 0.50
5B-00018	20034	Sr-90	-0.01 U	0.07	0.02	0.485	0.00 - 0.50
5B-00018	20034	Tc-99	-0.085 U	0.32	0.097	1.63	0.00 - 0.50
5B-00018	20034	Te-125m	0.0198 SK	0.0077	0.0018	0.0838	0.00 - 0.50
5B-00018	20034	Th-228	0.97	0.016	0.055	3.98	0.00 - 0.50
5B-00018	20034	Th-229	0.0072	0.0076	0.0032	0.145	0.00 - 0.50
5B-00018	20034	Th-230	0.962	0.01	0.054	2.2	0.00 - 0.50
5B-00018	20034	Th-232	0.993	0.01	0.056	3.1	0.00 - 0.50
5B-00018	20034	Th-234	1.27 R	0.13	0.077	3.19	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00018	20034	Tl-208	0.366	0.016	0.016	0.937	0.00 - 0.50
5B-00018	20034	Tm-171	-2.4 U J	5	1.5	72.4	0.00 - 0.50
5B-00018	20034	U-233/234	0.745	0.009	0.044	2.02	0.00 - 0.50
5B-00018	20034	U-235/236	0.0384	0.0042	0.0078	0.151	0.00 - 0.50
5B-00018	20034	U-238	0.757	0.003	0.044	1.8	0.00 - 0.50
5B-00019	20035	Ac-227	0.031 U	0.11	0.041	0.217	3.00 - 5.00
5B-00019	20035	Ac-228	1.27	0.06	0.044	2.4	3.00 - 5.00
5B-00019	20035	Am-241	0.0047	0.0086	0.0029	0.0454	3.00 - 5.00
5B-00019	20035	Bi-212	1.02	0.1	0.064	2.15	3.00 - 5.00
5B-00019	20035	Bi-214	0.736	0.021	0.028	1.59	3.00 - 5.00
5B-00019	20035	C-14	0.023	0.041	0.013	2.96	3.00 - 5.00
5B-00019	20035	Cd-113m	6.24 U	33	10	3030	3.00 - 5.00
5B-00019	20035	Cm-243/244	0 U	0.016	0.0042	0.0443	3.00 - 5.00
5B-00019	20035	Cm-245/246	0.0012 U	0.0033	0.0012	0.0401	3.00 - 5.00
5B-00019	20035	Cm-247/248	-0.001 U	0.0089	0.0014	0.0306	3.00 - 5.00
5B-00019	20035	Co-60	0.0022 U	0.014	0.0029	0.028	3.00 - 5.00
5B-00019	20035	Cs-134	0.0122 U	0.034	0.0036	0.0864	3.00 - 5.00
5B-00019	20035	Cs-137	-0.003 U	0.012	0.0037	0.207	3.00 - 5.00
5B-00019	20035	Eu-152	0.0076 U	0.026	0.008	0.0566	3.00 - 5.00
5B-00019	20035	Eu-154	0.015 U	0.073	0.012	0.15	3.00 - 5.00
5B-00019	20035	Eu-155	0.079 SK	0.031	0.014	0.231	3.00 - 5.00
5B-00019	20035	H-3	0.032 U	0.18	0.055	11.9	3.00 - 5.00
5B-00019	20035	Ho-166m	0.0071 U J	0.019	0.0046	0.0432	3.00 - 5.00
5B-00019	20035	K-40	22.9	0.14	0.76	32.4	3.00 - 5.00
5B-00019	20035	Na-22	0.0047 U	0.018	0.0055	0.037	3.00 - 5.00
5B-00019	20035	Nb-94	0.0043 U	0.01	0.0031	0.0214	3.00 - 5.00
5B-00019	20035	Ni-59	0 U	0.24	0.077	5.96	3.00 - 5.00
5B-00019	20035	Ni-63	-0.01 U	0.43	0.13	4.92	3.00 - 5.00
5B-00019	20035	Np-236	-0.007 U	0.026	0.0079	0.047	3.00 - 5.00
5B-00019	20035	Np-239	0.003 U	0.073	0.022	0.139	3.00 - 5.00
5B-00019	20035	Pa-231	-0.03 U	0.47	0.14	0.936	3.00 - 5.00
5B-00019	20035	Pb-212	1.69	0.02	0.089	2.69	3.00 - 5.00
5B-00019	20035	Pb-214	0.817	0.021	0.031	1.7	3.00 - 5.00
5B-00019	20035	Pu-236	0 U	0.0021	0.0007	7.79	3.00 - 5.00
5B-00019	20035	Pu-238	0.004	0.0021	0.0018	0.0415	3.00 - 5.00
5B-00019	20035	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	3.00 - 5.00
5B-00019	20035	Pu-244	0.0008 U	0.0021	0.0008	0.0313	3.00 - 5.00
5B-00019	20035	Sb-125	0.133 SK	0.032	0.009	0.354	3.00 - 5.00
5B-00019	20035	Sn-126	-0.005 U	0.012	0.0036	0.0237	3.00 - 5.00
5B-00019	20035	Sr-90	-0.015 U	0.035	0.0096	0.485	3.00 - 5.00
5B-00019	20035	Tc-99	-0.021 U	0.33	0.099	1.63	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00019	20035	Te-125m	0.0307 SK	0.0074	0.0021	0.0838	3.00 - 5.00
5B-00019	20035	Th-228	1.39	0.021	0.069	3.98	3.00 - 5.00
5B-00019	20035	Th-229	0.0082	0.0088	0.0034	0.145	3.00 - 5.00
5B-00019	20035	Th-230	0.722 K	0.009	0.04	2.2	3.00 - 5.00
5B-00019	20035	Th-232	1.3	0.01	0.065	3.1	3.00 - 5.00
5B-00019	20035	Th-234	1.42	0.12	0.079	3.19	3.00 - 5.00
5B-00019	20035	Tl-208	0.503	0.013	0.019	0.937	3.00 - 5.00
5B-00019	20035	Tm-171	-3.4 JU J	4.5	1.4	72.4	3.00 - 5.00
5B-00019	20035	U-233/234	0.652	0.007	0.037	2.02	3.00 - 5.00
5B-00019	20035	U-235/236	0.0351	0.0086	0.0068	0.151	3.00 - 5.00
5B-00019	20035	U-238	0.656	0.003	0.037	1.8	3.00 - 5.00
5B-00020	20037	Ac-227	0.034 U	0.1	0.021	0.217	0.00 - 0.50
5B-00020	20037	Ac-228	1	0.094	0.038	2.4	0.00 - 0.50
5B-00020	20037	Am-241	0.0047	0.007	0.0026	0.0454	0.00 - 0.50
5B-00020	20037	Bi-212	0.768	0.12	0.064	2.15	0.00 - 0.50
5B-00020	20037	Bi-214	0.806	0.025	0.03	1.59	0.00 - 0.50
5B-00020	20037	C-14	0.024	0.05	0.015	2.96	0.00 - 0.50
5B-00020	20037	Cd-113m	5 U	40	12	3030	0.00 - 0.50
5B-00020	20037	Cm-243/244	0 U	0.0068	0.0014	0.0443	0.00 - 0.50
5B-00020	20037	Cm-245/246	0 U	0.0082	0.0019	0.0401	0.00 - 0.50
5B-00020	20037	Cm-247/248	-0.002 U	0.0093	0.0019	0.0306	0.00 - 0.50
5B-00020	20037	Co-60	0.0031 U	0.019	0.0057	0.028	0.00 - 0.50
5B-00020	20037	Cs-134	0.0055 U	0.037	0.0097	0.0864	0.00 - 0.50
5B-00020	20037	Cs-137	0.006 U	0.018	0.0063	0.207	0.00 - 0.50
5B-00020	20037	Eu-152	-3E-04 U	0.038	0.011	0.0566	0.00 - 0.50
5B-00020	20037	Eu-154	0.0097 U J	0.099	0.0087	0.15	0.00 - 0.50
5B-00020	20037	Eu-155	0.059 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00020	20037	H-3	0.002 U	0.18	0.054	11.9	0.00 - 0.50
5B-00020	20037	Ho-166m	0.0055 U J	0.026	0.0054	0.0432	0.00 - 0.50
5B-00020	20037	K-40	20.2	0.15	0.62	32.4	0.00 - 0.50
5B-00020	20037	Na-22	-0.004 U	0.026	0.0078	0.037	0.00 - 0.50
5B-00020	20037	Nb-94	0.0065 U	0.015	0.0044	0.0214	0.00 - 0.50
5B-00020	20037	Np-236	-1E-04 U	0.028	0.0083	0.047	0.00 - 0.50
5B-00020	20037	Np-239	-0.016 U	0.085	0.026	0.139	0.00 - 0.50
5B-00020	20037	Pa-231	0.004 U	0.56	0.17	0.936	0.00 - 0.50
5B-00020	20037	Pb-212	1.24	0.027	0.051	2.69	0.00 - 0.50
5B-00020	20037	Pb-214	0.879	0.029	0.03	1.7	0.00 - 0.50
5B-00020	20037	Pu-236	-0.002 U	0.0088	0.0021	7.79	0.00 - 0.50
5B-00020	20037	Pu-238	0.0006 U	0.0066	0.0017	0.0415	0.00 - 0.50
5B-00020	20037	Pu-239/240	0 U	0.0051	0.0012	0.0404	0.00 - 0.50
5B-00020	20037	Pu-244	0.0011 U	0.0041	0.0011	0.0313	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00020	20037	Sb-125	0.019 U	0.043	0.017	0.354	0.00 - 0.50
5B-00020	20037	Sn-126	0.0161	0.014	0.0063	0.0237	0.00 - 0.50
5B-00020	20037	Sr-90	0.021 U	0.05	0.015	0.485	0.00 - 0.50
5B-00020	20037	Tc-99	-0.043 U	0.29	0.087	1.63	0.00 - 0.50
5B-00020	20037	Te-125m	0.0044 U	0.0098	0.0039	0.0838	0.00 - 0.50
5B-00020	20037	Th-228	0.956	0.014	0.05	3.98	0.00 - 0.50
5B-00020	20037	Th-229	0.0095	0.0069	0.0033	0.145	0.00 - 0.50
5B-00020	20037	Th-230	0.865	0.008	0.046	2.2	0.00 - 0.50
5B-00020	20037	Th-232	0.946	0.007	0.049	3.1	0.00 - 0.50
5B-00020	20037	Th-234	1.24	0.14	0.074	3.19	0.00 - 0.50
5B-00020	20037	Tl-208	0.4	0.015	0.015	0.937	0.00 - 0.50
5B-00020	20037	Tm-171	2.6 U J	5.6	1.7	72.4	0.00 - 0.50
5B-00020	20037	U-233/234	0.814	0.011	0.046	2.02	0.00 - 0.50
5B-00020	20037	U-235/236	0.0283	0.011	0.007	0.151	0.00 - 0.50
5B-00020	20037	U-238	0.892	0.003	0.05	1.8	0.00 - 0.50
5B-00021	20038	Ac-227	0.007 U	0.1	0.013	0.217	3.00 - 5.00
5B-00021	20038	Ac-228	0.966	0.074	0.037	2.4	3.00 - 5.00
5B-00021	20038	Am-241	0.0027	0.0015	0.0012	0.0454	3.00 - 5.00
5B-00021	20038	Bi-212	0.812	0.12	0.069	2.15	3.00 - 5.00
5B-00021	20038	Bi-214	0.774	0.022	0.028	1.59	3.00 - 5.00
5B-00021	20038	C-14	0.0167	0.032	0.0098	2.96	3.00 - 5.00
5B-00021	20038	Cd-113m	4 U	39	12	3030	3.00 - 5.00
5B-00021	20038	Cm-243/244	0 U	0.0014	0.0006	0.0443	3.00 - 5.00
5B-00021	20038	Cm-245/246	0.0008 U J	0.002	0.0008	0.0401	3.00 - 5.00
5B-00021	20038	Cm-247/248	0 U	0.002	0.0008	0.0306	3.00 - 5.00
5B-00021	20038	Co-60	0.0023 U	0.016	0.0049	0.028	3.00 - 5.00
5B-00021	20038	Cs-134	0.0142 U	0.052	0.0058	0.0864	3.00 - 5.00
5B-00021	20038	Cs-137	0 U	0.016	0.0029	0.207	3.00 - 5.00
5B-00021	20038	Eu-152	0.014 U	0.036	0.014	0.0566	3.00 - 5.00
5B-00021	20038	Eu-154	-0.028 U	0.094	0.028	0.15	3.00 - 5.00
5B-00021	20038	Eu-155	0.081 SK	0.042	0.017	0.231	3.00 - 5.00
5B-00021	20038	H-3	0.03 U	0.17	0.052	11.9	3.00 - 5.00
5B-00021	20038	Ho-166m	0.029 JSK	0.021	0.0046	0.0432	3.00 - 5.00
5B-00021	20038	K-40	19.8	0.09	0.59	32.4	3.00 - 5.00
5B-00021	20038	Na-22	-2E-04 U	0.021	0.0062	0.037	3.00 - 5.00
5B-00021	20038	Nb-94	0.0044 U	0.012	0.0029	0.0214	3.00 - 5.00
5B-00021	20038	Ni-59	0 U	0.4	0.12	5.96	3.00 - 5.00
5B-00021	20038	Ni-63	-0.09 U	0.6	0.18	4.92	3.00 - 5.00
5B-00021	20038	Np-236	-0.01 U	0.033	0.01	0.047	3.00 - 5.00
5B-00021	20038	Np-239	0.013 U	0.057	0.017	0.139	3.00 - 5.00
5B-00021	20038	Pa-231	-0.011 U	0.57	0.041	0.936	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00021	20038	Pb-212	1.08	0.027	0.034	2.69	3.00 - 5.00
5B-00021	20038	Pb-214	0.819	0.027	0.037	1.7	3.00 - 5.00
5B-00021	20038	Pu-236	-4E-04 U	0.0038	0.0004	7.79	3.00 - 5.00
5B-00021	20038	Pu-238	0.0022	0.0038	0.0013	0.0415	3.00 - 5.00
5B-00021	20038	Pu-239/240	0.0006 U	0.0017	0.0006	0.0404	3.00 - 5.00
5B-00021	20038	Pu-244	0.0022	0.0038	0.0013	0.0313	3.00 - 5.00
5B-00021	20038	Sb-125	0.103 JSK	0.035	0.012	0.354	3.00 - 5.00
5B-00021	20038	Sn-126	-0.001 U	0.015	0.0045	0.0237	3.00 - 5.00
5B-00021	20038	Sr-90	0.013 U	0.05	0.015	0.485	3.00 - 5.00
5B-00021	20038	Tc-99	-0.029 U	0.29	0.088	1.63	3.00 - 5.00
5B-00021	20038	Te-125m	0.0239 JSK	0.0082	0.0027	0.0838	3.00 - 5.00
5B-00021	20038	Th-228	1.11	0.018	0.057	3.98	3.00 - 5.00
5B-00021	20038	Th-229	0.0074	0.0087	0.0033	0.145	3.00 - 5.00
5B-00021	20038	Th-230	1.03	0.003	0.054	2.2	3.00 - 5.00
5B-00021	20038	Th-232	1.06	0.003	0.055	3.1	3.00 - 5.00
5B-00021	20038	Th-234	1.14 R	0.19	0.071	3.19	3.00 - 5.00
5B-00021	20038	Tl-208	0.385	0.017	0.016	0.937	3.00 - 5.00
5B-00021	20038	Tm-171	-8.7 R U J	8.3	2.6	72.4	3.00 - 5.00
5B-00021	20038	U-233/234	0.892	0.002	0.046	2.02	3.00 - 5.00
5B-00021	20038	U-235/236	0.0368	0.0028	0.0063	0.151	3.00 - 5.00
5B-00021	20038	U-238	0.929	0.008	0.048	1.8	3.00 - 5.00
5B-00022	20039	Ac-227	0.341 K,R	0.11	0.018	0.217	1.00 - 3.00
5B-00022	20039	Ac-228	1.15	0.058	0.04	2.4	1.00 - 3.00
5B-00022	20039	Am-241	0.0063	0.0051	0.0024	0.0454	1.00 - 3.00
5B-00022	20039	Bi-212	0.981	0.093	0.063	2.15	1.00 - 3.00
5B-00022	20039	Bi-214	0.739	0.021	0.029	1.59	1.00 - 3.00
5B-00022	20039	C-14	-0.01 U	0.035	0.0099	2.96	1.00 - 3.00
5B-00022	20039	Cd-113m	12.4 U	29	9	3030	1.00 - 3.00
5B-00022	20039	Cm-243/244	0.0041	0.0073	0.0024	0.0443	1.00 - 3.00
5B-00022	20039	Cm-245/246	0.0036 J	0.0024	0.0018	0.0401	1.00 - 3.00
5B-00022	20039	Cm-247/248	0.0026	0.0024	0.0015	0.0306	1.00 - 3.00
5B-00022	20039	Co-60	0.004 U	0.013	0.0031	0.028	1.00 - 3.00
5B-00022	20039	Cs-134	0.0099 U	0.037	0.0029	0.0864	1.00 - 3.00
5B-00022	20039	Cs-137	0.0095	0.0091	0.0041	0.207	1.00 - 3.00
5B-00022	20039	Eu-152	-0.004 U	0.028	0.0086	0.0566	1.00 - 3.00
5B-00022	20039	Eu-154	0.018 U	0.07	0.018	0.15	1.00 - 3.00
5B-00022	20039	Eu-155	0.081 SK	0.028	0.012	0.231	1.00 - 3.00
5B-00022	20039	H-3	0.035 U	0.19	0.057	11.9	1.00 - 3.00
5B-00022	20039	Ho-166m	0.0064 U J	0.016	0.0059	0.0432	1.00 - 3.00
5B-00022	20039	K-40	19.7	0.11	0.65	32.4	1.00 - 3.00
5B-00022	20039	Na-22	-2E-04 U	0.016	0.0048	0.037	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00022	20039	Nb-94	0.0045 U	0.0099	0.003	0.0214	1.00 - 3.00
5B-00022	20039	Ni-59	0 U	0.33	0.0996	5.96	1.00 - 3.00
5B-00022	20039	Ni-63	0.07 U	0.51	0.15	4.92	1.00 - 3.00
5B-00022	20039	Np-236	0.0057 U	0.024	0.0072	0.047	1.00 - 3.00
5B-00022	20039	Np-239	-0.019 U	0.064	0.019	0.139	1.00 - 3.00
5B-00022	20039	Pa-231	0.08 U	0.45	0.053	0.936	1.00 - 3.00
5B-00022	20039	Pb-212	1.44	0.018	0.076	2.69	1.00 - 3.00
5B-00022	20039	Pb-214	0.839	0.02	0.031	1.7	1.00 - 3.00
5B-00022	20039	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 3.00
5B-00022	20039	Pu-238	0.0003 U	0.0041	0.0008	0.0415	1.00 - 3.00
5B-00022	20039	Pu-239/240	0.0021	0.0019	0.0012	0.0404	1.00 - 3.00
5B-00022	20039	Pu-244	0.0027	0.0019	0.0014	0.0313	1.00 - 3.00
5B-00022	20039	Sb-125	0.136 JSK	0.025	0.0093	0.354	1.00 - 3.00
5B-00022	20039	Sn-126	0.0012 U	0.011	0.0033	0.0237	1.00 - 3.00
5B-00022	20039	Sr-90	0.027	0.037	0.012	0.485	1.00 - 3.00
5B-00022	20039	Tc-99	-0.041 U	0.29	0.087	1.63	1.00 - 3.00
5B-00022	20039	Te-125m	0.0314 JSK	0.0057	0.0022	0.0838	1.00 - 3.00
5B-00022	20039	Th-228	1.25	0.018	0.063	3.98	1.00 - 3.00
5B-00022	20039	Th-229	0.0034	0.009	0.0028	0.145	1.00 - 3.00
5B-00022	20039	Th-230	0.825	0.003	0.045	2.2	1.00 - 3.00
5B-00022	20039	Th-232	1.24	0.007	0.063	3.1	1.00 - 3.00
5B-00022	20039	Th-234	1.34 R	0.12	0.076	3.19	1.00 - 3.00
5B-00022	20039	Tl-208	0.453	0.013	0.017	0.937	1.00 - 3.00
5B-00022	20039	Tm-171	-2.7 U	4.7	1.4	72.4	1.00 - 3.00
5B-00022	20039	U-233/234	0.699	0.013	0.04	2.02	1.00 - 3.00
5B-00022	20039	U-235/236	0.0334	0.0034	0.0066	0.151	1.00 - 3.00
5B-00022	20039	U-238	0.721	0.009	0.04	1.8	1.00 - 3.00
5B-00022	20040	Ac-227	0.048 U	0.14	0.045	0.217	0.00 - 0.50
5B-00022	20040	Ac-228	1.22	0.082	0.043	2.4	0.00 - 0.50
5B-00022	20040	Am-241	0.0031	0.0056	0.0019	0.0454	0.00 - 0.50
5B-00022	20040	Bi-212	0.96	0.13	0.075	2.15	0.00 - 0.50
5B-00022	20040	Bi-214	0.77	0.023	0.028	1.59	0.00 - 0.50
5B-00022	20040	Cd-113m	5 U	41	12	3030	0.00 - 0.50
5B-00022	20040	Cm-243/244	0.0015 U	0.0055	0.0015	0.0443	0.00 - 0.50
5B-00022	20040	Cm-245/246	0.0028 U J	0.0038	0.002	0.0401	0.00 - 0.50
5B-00022	20040	Cm-247/248	0.0014 U	0.0037	0.0014	0.0306	0.00 - 0.50
5B-00022	20040	Co-60	0.0017 U	0.019	0.0036	0.028	0.00 - 0.50
5B-00022	20040	Cs-134	0.0223 SK	0.0086	0.003	0.0864	0.00 - 0.50
5B-00022	20040	Cs-137	0.0075	0.011	0.0034	0.207	0.00 - 0.50
5B-00022	20040	Eu-152	0.017 U	0.039	0.014	0.0566	0.00 - 0.50
5B-00022	20040	Eu-154	-0.02 U	0.1	0.031	0.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00022	20040	Eu-155	0.089 SK	0.033	0.014	0.231	0.00 - 0.50
5B-00022	20040	H-3	-0.033 U	0.19	0.056	11.9	0.00 - 0.50
5B-00022	20040	Ho-166m	0.0021 U	0.02	0.007	0.0432	0.00 - 0.50
5B-00022	20040	K-40	20.7	0.12	0.62	32.4	0.00 - 0.50
5B-00022	20040	Na-22	-0.005 U	0.026	0.0077	0.037	0.00 - 0.50
5B-00022	20040	Nb-94	0.0057 U	0.014	0.0042	0.0214	0.00 - 0.50
5B-00022	20040	Np-236	0.0044 U	0.03	0.0091	0.047	0.00 - 0.50
5B-00022	20040	Np-239	0.019 U	0.084	0.025	0.139	0.00 - 0.50
5B-00022	20040	Pa-231	-0.02 U	0.55	0.17	0.936	0.00 - 0.50
5B-00022	20040	Pb-212	1.54	0.023	0.063	2.69	0.00 - 0.50
5B-00022	20040	Pb-214	0.868	0.027	0.029	1.7	0.00 - 0.50
5B-00022	20040	Pu-236	0.005	0.0052	0.0021	7.79	0.00 - 0.50
5B-00022	20040	Pu-238	0.0011 U	0.0052	0.0014	0.0415	0.00 - 0.50
5B-00022	20040	Pu-239/240	0.0006 U	0.0015	0.0006	0.0404	0.00 - 0.50
5B-00022	20040	Pu-244	0.0022	0.0015	0.0011	0.0313	0.00 - 0.50
5B-00022	20040	Sb-125	0.14 SK	0.041	0.011	0.354	0.00 - 0.50
5B-00022	20040	Sn-126	0.0101	0.011	0.0034	0.0237	0.00 - 0.50
5B-00022	20040	Sr-90	0.048	0.04	0.013	0.485	0.00 - 0.50
5B-00022	20040	Te-125m	0.0323 SK	0.0094	0.0025	0.0838	0.00 - 0.50
5B-00022	20040	Th-228	1.19	0.025	0.066	3.98	0.00 - 0.50
5B-00022	20040	Th-229	0.0153	0.0032	0.0043	0.145	0.00 - 0.50
5B-00022	20040	Th-230	0.891	0.004	0.053	2.2	0.00 - 0.50
5B-00022	20040	Th-232	1.19	0.004	0.066	3.1	0.00 - 0.50
5B-00022	20040	Th-234	0.325	0.16	0.049	3.19	0.00 - 0.50
5B-00022	20040	Tl-208	0.468	0.019	0.019	0.937	0.00 - 0.50
5B-00022	20040	Tm-171	3.8	5.9	1.8	72.4	0.00 - 0.50
5B-00022	20040	U-233/234	0.594	0.003	0.035	2.02	0.00 - 0.50
5B-00022	20040	U-235/236	0.0282	0.009	0.0063	0.151	0.00 - 0.50
5B-00022	20040	U-238	0.618	0.003	0.036	1.8	0.00 - 0.50
5B-00023	20041	Ac-227	0.025 U	0.13	0.011	0.217	1.00 - 1.80
5B-00023	20041	Ac-228	1.22	0.086	0.044	2.4	1.00 - 1.80
5B-00023	20041	Am-241	0.005	0.0061	0.0024	0.0454	1.00 - 1.80
5B-00023	20041	Bi-212	0.948	0.1	0.059	2.15	1.00 - 1.80
5B-00023	20041	Bi-214	0.677	0.025	0.026	1.59	1.00 - 1.80
5B-00023	20041	Cd-113m	-4 U	38	12	3030	1.00 - 1.80
5B-00023	20041	Cm-243/244	-0.002 U	0.0098	0.002	0.0443	1.00 - 1.80
5B-00023	20041	Cm-245/246	0.0018 K	0.0016	0.001	0.0401	1.00 - 1.80
5B-00023	20041	Cm-247/248	0.0006 U	0.0016	0.0006	0.0306	1.00 - 1.80
5B-00023	20041	Co-60	0.0022 U	0.019	0.0056	0.028	1.00 - 1.80
5B-00023	20041	Cs-134	0.0163 U	0.045	0.0041	0.0864	1.00 - 1.80
5B-00023	20041	Cs-137	0 U	0.018	0.0031	0.207	1.00 - 1.80

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00023	20041	Eu-152	0.012 U	0.037	0.01	0.0566	1.00 - 1.80
5B-00023	20041	Eu-154	-0.001 U	0.098	0.0019	0.15	1.00 - 1.80
5B-00023	20041	Eu-155	0.054 SK	0.029	0.011	0.231	1.00 - 1.80
5B-00023	20041	Ho-166m	0.0221 SK	0.025	0.0038	0.0432	1.00 - 1.80
5B-00023	20041	K-40	21	0.12	0.63	32.4	1.00 - 1.80
5B-00023	20041	Na-22	0.001 U	0.024	0.0071	0.037	1.00 - 1.80
5B-00023	20041	Nb-94	0.0037 U	0.013	0.0028	0.0214	1.00 - 1.80
5B-00023	20041	Np-236	0.0008 U	0.028	0.0085	0.047	1.00 - 1.80
5B-00023	20041	Np-239	-0.013 U	0.081	0.025	0.139	1.00 - 1.80
5B-00023	20041	Pa-231	0.22	0.37	0.13	0.936	1.00 - 1.80
5B-00023	20041	Pb-212	1.59 J	0.021	0.065	2.69	1.00 - 1.80
5B-00023	20041	Pb-214	0.714	0.023	0.025	1.7	1.00 - 1.80
5B-00023	20041	Pu-236	0.0008 U	0.0021	0.0008	7.79	1.00 - 1.80
5B-00023	20041	Pu-238	0.0019	0.0047	0.0015	0.0415	1.00 - 1.80
5B-00023	20041	Pu-239/240	0.0016	0.0021	0.0011	0.0404	1.00 - 1.80
5B-00023	20041	Pu-244	0.0016	0.0021	0.0011	0.0313	1.00 - 1.80
5B-00023	20041	Sb-125	0.149 SK	0.028	0.011	0.354	1.00 - 1.80
5B-00023	20041	Sn-126	0.0054 U	0.014	0.0043	0.0237	1.00 - 1.80
5B-00023	20041	Sr-90	-0.001 U	0.033	0.0096	0.485	1.00 - 1.80
5B-00023	20041	Te-125m	0.0343 SK	0.0065	0.0025	0.0838	1.00 - 1.80
5B-00023	20041	Th-228	1.22	0.012	0.06	3.98	1.00 - 1.80
5B-00023	20041	Th-229	0.0038	0.009	0.0028	0.145	1.00 - 1.80
5B-00023	20041	Th-230	0.738	0.009	0.039	2.2	1.00 - 1.80
5B-00023	20041	Th-232	1.14	0.006	0.056	3.1	1.00 - 1.80
5B-00023	20041	Th-234	0.294 R	0.15	0.046	3.19	1.00 - 1.80
5B-00023	20041	Tl-208	0.475	0.015	0.017	0.937	1.00 - 1.80
5B-00023	20041	Tm-171	5.3	5.1	2.1	72.4	1.00 - 1.80
5B-00024	20042	Ac-227	0.029 U	0.1	0.012	0.217	1.00 - 5.00
5B-00024	20042	Ac-228	1.21	0.088	0.043	2.4	1.00 - 5.00
5B-00024	20042	Am-241	-0.004 U	0.012	0.0026	0.0454	1.00 - 5.00
5B-00024	20042	Bi-212	1.04	0.13	0.079	2.15	1.00 - 5.00
5B-00024	20042	Bi-214	0.723	0.025	0.027	1.59	1.00 - 5.00
5B-00024	20042	Cd-113m	5 U	36	11	3030	1.00 - 5.00
5B-00024	20042	Cm-243/244	0 U	0.012	0.0031	0.0443	1.00 - 5.00
5B-00024	20042	Cm-245/246	0.0021	0.0019	0.0012	0.0401	1.00 - 5.00
5B-00024	20042	Cm-247/248	0 U	0.005	0.001	0.0306	1.00 - 5.00
5B-00024	20042	Co-60	-0.004 U	0.018	0.0053	0.028	1.00 - 5.00
5B-00024	20042	Cs-134	0.0025 U	0.027	0.0036	0.0864	1.00 - 5.00
5B-00024	20042	Cs-137	-6E-04 U	0.015	0.0052	0.207	1.00 - 5.00
5B-00024	20042	Eu-152	0.0092 U	0.034	0.0076	0.0566	1.00 - 5.00
5B-00024	20042	Eu-154	-0.005 U	0.094	0.0051	0.15	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00024	20042	Eu-155	0.069 SK	0.031	0.012	0.231	1.00 - 5.00
5B-00024	20042	Ho-166m	0.0106 U	0.023	0.0079	0.0432	1.00 - 5.00
5B-00024	20042	K-40	18.5	0.12	0.56	32.4	1.00 - 5.00
5B-00024	20042	Na-22	-0.003 U	0.023	0.0068	0.037	1.00 - 5.00
5B-00024	20042	Nb-94	0.0039 U	0.013	0.004	0.0214	1.00 - 5.00
5B-00024	20042	Np-236	-0.008 U	0.027	0.0082	0.047	1.00 - 5.00
5B-00024	20042	Np-239	0.003 U	0.065	0.02	0.139	1.00 - 5.00
5B-00024	20042	Pa-231	0.09 U	0.52	0.16	0.936	1.00 - 5.00
5B-00024	20042	Pb-212	1.57 J	0.022	0.064	2.69	1.00 - 5.00
5B-00024	20042	Pb-214	0.776	0.025	0.028	1.7	1.00 - 5.00
5B-00024	20042	Pu-236	0.0007 U	0.002	0.0007	7.79	1.00 - 5.00
5B-00024	20042	Pu-238	0.0007 U	0.002	0.0007	0.0415	1.00 - 5.00
5B-00024	20042	Pu-239/240	0.001 U	0.0043	0.0011	0.0404	1.00 - 5.00
5B-00024	20042	Pu-244	0.001 U	0.0043	0.0011	0.0313	1.00 - 5.00
5B-00024	20042	Sb-125	0.124 SK	0.035	0.009	0.354	1.00 - 5.00
5B-00024	20042	Sn-126	0.0014 U	0.015	0.0044	0.0237	1.00 - 5.00
5B-00024	20042	Sr-90	0.0061 U	0.032	0.0096	0.485	1.00 - 5.00
5B-00024	20042	Te-125m	0.0286 SK	0.0081	0.0021	0.0838	1.00 - 5.00
5B-00024	20042	Th-228	1.36	0.014	0.067	3.98	1.00 - 5.00
5B-00024	20042	Th-229	0.0082	0.0084	0.0034	0.145	1.00 - 5.00
5B-00024	20042	Th-230	0.969	0.007	0.05	2.2	1.00 - 5.00
5B-00024	20042	Th-232	1.29	0.002	0.064	3.1	1.00 - 5.00
5B-00024	20042	Th-234	0.379 R	0.15	0.047	3.19	1.00 - 5.00
5B-00024	20042	Tl-208	0.491	0.016	0.018	0.937	1.00 - 5.00
5B-00024	20042	Tm-171	0.3 U	4.3	1.3	72.4	1.00 - 5.00
5B-00024	20043	Ac-227	0.065	0.076	0.014	0.217	0.00 - 0.50
5B-00024	20043	Ac-228	1.14	0.047	0.038	2.4	0.00 - 0.50
5B-00024	20043	Am-241	0.0009 U	0.0024	0.0009	0.0454	0.00 - 0.50
5B-00024	20043	Bi-212	0.9	0.087	0.054	2.15	0.00 - 0.50
5B-00024	20043	Bi-214	0.654	0.017	0.023	1.59	0.00 - 0.50
5B-00024	20043	C-14	0.0204	0.028	0.0089	2.96	0.00 - 0.50
5B-00024	20043	Cd-113m	-0.2 U	28	8.4	3030	0.00 - 0.50
5B-00024	20043	Cm-243/244	0 U	0.0064	0.0013	0.0443	0.00 - 0.50
5B-00024	20043	Cm-245/246	0.0024 U	0.0032	0.0017	0.0401	0.00 - 0.50
5B-00024	20043	Cm-247/248	0 U	0.0031	0.0013	0.0306	0.00 - 0.50
5B-00024	20043	Co-60	0.0004 U	0.011	0.0032	0.028	0.00 - 0.50
5B-00024	20043	Cs-134	0.0104 U	0.029	0.0033	0.0864	0.00 - 0.50
5B-00024	20043	Cs-137	-0.004 U	0.01	0.003	0.207	0.00 - 0.50
5B-00024	20043	Eu-152	0.0193	0.022	0.0086	0.0566	0.00 - 0.50
5B-00024	20043	Eu-154	0.01 U	0.064	0.015	0.15	0.00 - 0.50
5B-00024	20043	Eu-155	0.069 SK	0.026	0.011	0.231	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00024	20043	H-3	0.151	0.19	0.059	11.9	0.00 - 0.50
5B-00024	20043	Ho-166m	0.002 U	0.016	0.0019	0.0432	0.00 - 0.50
5B-00024	20043	K-40	19.8	0.1	0.58	32.4	0.00 - 0.50
5B-00024	20043	Na-22	-0.002 U	0.014	0.0043	0.037	0.00 - 0.50
5B-00024	20043	Nb-94	0.0042 U	0.009	0.002	0.0214	0.00 - 0.50
5B-00024	20043	Ni-59	0 U	0.18	0.046	5.96	0.00 - 0.50
5B-00024	20043	Ni-63	-0.11 U	0.54	0.17	4.92	0.00 - 0.50
5B-00024	20043	Np-236	-1E-04 U	0.022	0.0066	0.047	0.00 - 0.50
5B-00024	20043	Np-239	0.012 U	0.045	0.014	0.139	0.00 - 0.50
5B-00024	20043	Pa-231	0.02 U	0.4	0.12	0.936	0.00 - 0.50
5B-00024	20043	Pb-212	1.47	0.017	0.059	2.69	0.00 - 0.50
5B-00024	20043	Pb-214	0.731	0.018	0.025	1.7	0.00 - 0.50
5B-00024	20043	Pu-236	0 U	0.0023	0.0007	7.79	0.00 - 0.50
5B-00024	20043	Pu-238	0.0042	0.0023	0.0019	0.0415	0.00 - 0.50
5B-00024	20043	Pu-239/240	0 U	0.0023	0.0007	0.0404	0.00 - 0.50
5B-00024	20043	Pu-244	0.0025	0.0023	0.0015	0.0313	0.00 - 0.50
5B-00024	20043	Sb-125	0.108 SK	0.028	0.0069	0.354	0.00 - 0.50
5B-00024	20043	Sn-126	0.0001 U	0.0086	0.0026	0.0237	0.00 - 0.50
5B-00024	20043	Sr-90	0.005 U	0.048	0.014	0.485	0.00 - 0.50
5B-00024	20043	Tc-99	-0.06 U	0.26	0.078	1.63	0.00 - 0.50
5B-00024	20043	Te-125m	0.025 SK	0.0066	0.0016	0.0838	0.00 - 0.50
5B-00024	20043	Th-228	1.15	0.024	0.061	3.98	0.00 - 0.50
5B-00024	20043	Th-229	0.0031	0.0073	0.0023	0.145	0.00 - 0.50
5B-00024	20043	Th-230	0.889	0.003	0.049	2.2	0.00 - 0.50
5B-00024	20043	Th-232	1.09	0.009	0.058	3.1	0.00 - 0.50
5B-00024	20043	Th-234	0.366 R	0.11	0.038	3.19	0.00 - 0.50
5B-00024	20043	Tl-208	0.453	0.013	0.016	0.937	0.00 - 0.50
5B-00024	20043	Tm-171	-1.5 U	4.1	1.2	72.4	0.00 - 0.50
5B-00024	20043	U-233/234	0.786	0.008	0.044	2.02	0.00 - 0.50
5B-00024	20043	U-235/236	0.0393	0.0038	0.0076	0.151	0.00 - 0.50
5B-00024	20043	U-238	0.839	0.012	0.047	1.8	0.00 - 0.50
5B-00025	20044	Ac-227	0.039	0.079	0.014	0.217	1.00 - 5.00
5B-00025	20044	Ac-228	1.24	0.049	0.04	2.4	1.00 - 5.00
5B-00025	20044	Am-241	0.003 U	0.0094	0.0028	0.0454	1.00 - 5.00
5B-00025	20044	Bi-212	0.931	0.093	0.059	2.15	1.00 - 5.00
5B-00025	20044	Bi-214	0.731	0.018	0.025	1.59	1.00 - 5.00
5B-00025	20044	Cd-113m	-3.3 U	30	9.2	3030	1.00 - 5.00
5B-00025	20044	Cm-243/244	-0.002 U	0.013	0.003	0.0443	1.00 - 5.00
5B-00025	20044	Cm-245/246	0.0007 U J	0.002	0.0007	0.0401	1.00 - 5.00
5B-00025	20044	Cm-247/248	0.0014 U	0.0019	0.001	0.0306	1.00 - 5.00
5B-00025	20044	Co-60	-3E-04 U	0.012	0.0037	0.028	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00025	20044	Cs-134	0.0173 SK	0.032	0.0035	0.0864	1.00 - 5.00
5B-00025	20044	Cs-137	0.001 U	0.011	0.0032	0.207	1.00 - 5.00
5B-00025	20044	Eu-152	-0.013 U	0.027	0.0083	0.0566	1.00 - 5.00
5B-00025	20044	Eu-154	-0.057 U J	0.069	0.021	0.15	1.00 - 5.00
5B-00025	20044	Eu-155	0.071 SK	0.026	0.011	0.231	1.00 - 5.00
5B-00025	20044	Ho-166m	0.004 U	0.017	0.0029	0.0432	1.00 - 5.00
5B-00025	20044	K-40	19.7	0.11	0.58	32.4	1.00 - 5.00
5B-00025	20044	Na-22	0.0053 U	0.012	0.0036	0.037	1.00 - 5.00
5B-00025	20044	Nb-94	0.0019 U	0.0096	0.0029	0.0214	1.00 - 5.00
5B-00025	20044	Np-236	-0.002 U	0.022	0.0066	0.047	1.00 - 5.00
5B-00025	20044	Np-239	-0.024 U	0.064	0.019	0.139	1.00 - 5.00
5B-00025	20044	Pa-231	0.06 U	0.42	0.13	0.936	1.00 - 5.00
5B-00025	20044	Pb-212	1.53 J	0.02	0.062	2.69	1.00 - 5.00
5B-00025	20044	Pb-214	0.821	0.018	0.027	1.7	1.00 - 5.00
5B-00025	20044	Pu-236	-5E-04 U	0.005	0.0006	7.79	1.00 - 5.00
5B-00025	20044	Pu-238	-2E-04 U	0.0061	0.0012	0.0415	1.00 - 5.00
5B-00025	20044	Pu-239/240	0.0012 U	0.005	0.0013	0.0404	1.00 - 5.00
5B-00025	20044	Pu-244	0.0025	0.0023	0.0014	0.0313	1.00 - 5.00
5B-00025	20044	Sb-125	0.138 SK	0.028	0.0089	0.354	1.00 - 5.00
5B-00025	20044	Sn-126	0.0017 U	0.0075	0.0023	0.0237	1.00 - 5.00
5B-00025	20044	Sr-90	0.019	0.033	0.01	0.485	1.00 - 5.00
5B-00025	20044	Te-125m	0.0319 SK	0.0065	0.0021	0.0838	1.00 - 5.00
5B-00025	20044	Th-228	1.32	0.009	0.064	3.98	1.00 - 5.00
5B-00025	20044	Th-229	0.0068	0.0092	0.0033	0.145	1.00 - 5.00
5B-00025	20044	Th-230	0.897	0.002	0.046	2.2	1.00 - 5.00
5B-00025	20044	Th-232	1.31	0.008	0.064	3.1	1.00 - 5.00
5B-00025	20044	Th-234	1.44 R	0.12	0.073	3.19	1.00 - 5.00
5B-00025	20044	Tl-208	0.471	0.013	0.016	0.937	1.00 - 5.00
5B-00025	20044	Tm-171	0.1 U	5	1.5	72.4	1.00 - 5.00
5B-00026	20045	Ac-227	0.067	0.095	0.018	0.217	1.00 - 5.00
5B-00026	20045	Ac-228	1.27	0.067	0.044	2.4	1.00 - 5.00
5B-00026	20045	Am-241	0.0033	0.0078	0.0024	0.0454	1.00 - 5.00
5B-00026	20045	Bi-212	1.05	0.11	0.069	2.15	1.00 - 5.00
5B-00026	20045	Bi-214	0.783	0.023	0.031	1.59	1.00 - 5.00
5B-00026	20045	C-14	0.0035 U	0.029	0.0086	2.96	1.00 - 5.00
5B-00026	20045	Cd-113m	5.9 U	33	9.98	3030	1.00 - 5.00
5B-00026	20045	Cm-243/244	0.0147	0.006	0.0038	0.0443	1.00 - 5.00
5B-00026	20045	Cm-245/246	0 U J	0.0029	0.0012	0.0401	1.00 - 5.00
5B-00026	20045	Cm-247/248	0 U	0.0028	0.0012	0.0306	1.00 - 5.00
5B-00026	20045	Co-60	0.0008 U	0.014	0.0025	0.028	1.00 - 5.00
5B-00026	20045	Cs-134	0.0085 U	0.043	0.0038	0.0864	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00026	20045	Cs-137	-0.005 U	0.014	0.0041	0.207	1.00 - 5.00
5B-00026	20045	Eu-152	-0.006 U	0.032	0.0096	0.0566	1.00 - 5.00
5B-00026	20045	Eu-154	-0.004 U	0.084	0.0028	0.15	1.00 - 5.00
5B-00026	20045	Eu-155	0.084 SK	0.032	0.014	0.231	1.00 - 5.00
5B-00026	20045	H-3	0.162	0.2	0.062	11.9	1.00 - 5.00
5B-00026	20045	Ho-166m	0.0044 U	0.019	0.0039	0.0432	1.00 - 5.00
5B-00026	20045	K-40	20	0.14	0.67	32.4	1.00 - 5.00
5B-00026	20045	Na-22	-1E-04 U	0.018	0.0055	0.037	1.00 - 5.00
5B-00026	20045	Nb-94	0.0042 U	0.011	0.0034	0.0214	1.00 - 5.00
5B-00026	20045	Ni-59	0 U	0.17	0.052	5.96	1.00 - 5.00
5B-00026	20045	Ni-63	-0.04 U	0.53	0.16	4.92	1.00 - 5.00
5B-00026	20045	Np-236	-0.012 U	0.026	0.0079	0.047	1.00 - 5.00
5B-00026	20045	Np-239	0.02 U	0.075	0.023	0.139	1.00 - 5.00
5B-00026	20045	Pa-231	-0.08 U	0.5	0.15	0.936	1.00 - 5.00
5B-00026	20045	Pb-212	1.64	0.02	0.087	2.69	1.00 - 5.00
5B-00026	20045	Pb-214	0.88	0.022	0.034	1.7	1.00 - 5.00
5B-00026	20045	Pu-236	0.0039	0.0052	0.0021	7.79	1.00 - 5.00
5B-00026	20045	Pu-238	0.0007 U	0.0064	0.0015	0.0415	1.00 - 5.00
5B-00026	20045	Pu-239/240	0.0012 U	0.0052	0.0014	0.0404	1.00 - 5.00
5B-00026	20045	Pu-244	0 U	0.0024	0.0008	0.0313	1.00 - 5.00
5B-00026	20045	Sb-125	0.121 SK	0.034	0.0081	0.354	1.00 - 5.00
5B-00026	20045	Sn-126	-1E-04 U	0.013	0.0039	0.0237	1.00 - 5.00
5B-00026	20045	Sr-90	-0.005 U	0.04	0.012	0.485	1.00 - 5.00
5B-00026	20045	Tc-99	-0.074 U	0.31	0.094	1.63	1.00 - 5.00
5B-00026	20045	Te-125m	0.028 SK	0.0079	0.0019	0.0838	1.00 - 5.00
5B-00026	20045	Th-228	1.39	0.029	0.074	3.98	1.00 - 5.00
5B-00026	20045	Th-229	0.0021 U	0.011	0.0031	0.145	1.00 - 5.00
5B-00026	20045	Th-230	0.954	0.012	0.055	2.2	1.00 - 5.00
5B-00026	20045	Th-232	1.34	0.019	0.072	3.1	1.00 - 5.00
5B-00026	20045	Th-234	1.51 JR	0.13	0.086	3.19	1.00 - 5.00
5B-00026	20045	Tl-208	0.503	0.016	0.02	0.937	1.00 - 5.00
5B-00026	20045	Tm-171	-0.1 U	5.6	1.7	72.4	1.00 - 5.00
5B-00026	20045	U-233/234	0.761	0.002	0.04	2.02	1.00 - 5.00
5B-00026	20045	U-235/236	0.0352	0.007	0.0061	0.151	1.00 - 5.00
5B-00026	20045	U-238	0.815	0.007	0.042	1.8	1.00 - 5.00
5B-00026	20046	Ac-227	0.059 J	0.12	0.014	0.217	0.00 - 0.50
5B-00026	20046	Ac-228	1.23	0.067	0.043	2.4	0.00 - 0.50
5B-00026	20046	Am-241	0.0031 U	0.011	0.0032	0.0454	0.00 - 0.50
5B-00026	20046	Bi-212	0.957	0.12	0.077	2.15	0.00 - 0.50
5B-00026	20046	Bi-214	0.85	0.022	0.033	1.59	0.00 - 0.50
5B-00026	20046	Cd-113m	2 U	33	10	3030	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00026	20046	Cm-243/244	-0.003 U	0.013	0.0029	0.0443	0.00 - 0.50
5B-00026	20046	Cm-245/246	0.0072 J	0.0083	0.0032	0.0401	0.00 - 0.50
5B-00026	20046	Cm-247/248	0 U	0.0024	0.001	0.0306	0.00 - 0.50
5B-00026	20046	Co-60	0.0039 U	0.015	0.0036	0.028	0.00 - 0.50
5B-00026	20046	Cs-134	0.0091 U	0.045	0.0036	0.0864	0.00 - 0.50
5B-00026	20046	Cs-137	0.0065	0.011	0.0033	0.207	0.00 - 0.50
5B-00026	20046	Eu-152	-0.011 U	0.028	0.0086	0.0566	0.00 - 0.50
5B-00026	20046	Eu-154	-0.012 U	0.086	0.026	0.15	0.00 - 0.50
5B-00026	20046	Eu-155	0.073 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00026	20046	H-3	-0.03 U	0.19	0.056	11.9	0.00 - 0.50
5B-00026	20046	Ho-166m	0.0046 U	0.019	0.0034	0.0432	0.00 - 0.50
5B-00026	20046	K-40	21.5	0.15	0.71	32.4	0.00 - 0.50
5B-00026	20046	Na-22	0.0052 U	0.02	0.006	0.037	0.00 - 0.50
5B-00026	20046	Nb-94	0.0037 U	0.011	0.0034	0.0214	0.00 - 0.50
5B-00026	20046	Ni-59	0 U	0.12	0.042	5.96	0.00 - 0.50
5B-00026	20046	Ni-63	-0.03 U	0.47	0.14	4.92	0.00 - 0.50
5B-00026	20046	Np-236	-0.003 U	0.027	0.0082	0.047	0.00 - 0.50
5B-00026	20046	Np-239	0.001 U	0.077	0.023	0.139	0.00 - 0.50
5B-00026	20046	Pa-231	-0.02 U	0.52	0.16	0.936	0.00 - 0.50
5B-00026	20046	Pb-212	1.58	0.02	0.083	2.69	0.00 - 0.50
5B-00026	20046	Pb-214	0.951	0.022	0.036	1.7	0.00 - 0.50
5B-00026	20046	Pu-236	0 U	0.0013	0.0005	7.79	0.00 - 0.50
5B-00026	20046	Pu-238	0.0005 U	0.005	0.0013	0.0415	0.00 - 0.50
5B-00026	20046	Pu-239/240	0.0014	0.0013	0.0008	0.0404	0.00 - 0.50
5B-00026	20046	Pu-244	0.0019	0.0013	0.0009	0.0313	0.00 - 0.50
5B-00026	20046	Sb-125	0.121 SK	0.035	0.009	0.354	0.00 - 0.50
5B-00026	20046	Sn-126	0.0038 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00026	20046	Sr-90	-0.011 U	0.072	0.021	0.485	0.00 - 0.50
5B-00026	20046	Te-125m	0.0279 SK	0.0081	0.0021	0.0838	0.00 - 0.50
5B-00026	20046	Th-228	1.24	0.002	0.062	3.98	0.00 - 0.50
5B-00026	20046	Th-229	0.0091	0.0031	0.0032	0.145	0.00 - 0.50
5B-00026	20046	Th-230	0.897	0.008	0.047	2.2	0.00 - 0.50
5B-00026	20046	Th-232	1.17	0.002	0.059	3.1	0.00 - 0.50
5B-00026	20046	Th-234	1.41 R	0.14	0.084	3.19	0.00 - 0.50
5B-00026	20046	Tl-208	0.456	0.016	0.018	0.937	0.00 - 0.50
5B-00026	20046	Tm-171	0.06 U J	5.4	1.6	72.4	0.00 - 0.50
5B-00026	20046	U-233/234	0.828	0.01	0.046	2.02	0.00 - 0.50
5B-00026	20046	U-235/236	0.0351	0.0038	0.0072	0.151	0.00 - 0.50
5B-00026	20046	U-238	0.863	0.008	0.048	1.8	0.00 - 0.50
5B-00027	20047	Ac-227	0.355 J	0.11	0.019	0.217	1.00 - 5.00
5B-00027	20047	Ac-228	1.19	0.06	0.042	2.4	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00027	20047	Am-241	0 U	0.0092	0.0021	0.0454	1.00 - 5.00
5B-00027	20047	Bi-212	0.962	0.088	0.057	2.15	1.00 - 5.00
5B-00027	20047	Bi-214	0.833	0.02	0.031	1.59	1.00 - 5.00
5B-00027	20047	C-14	0.009 U	0.049	0.015	2.96	1.00 - 5.00
5B-00027	20047	Cd-113m	8 U	32	9.8	3030	1.00 - 5.00
5B-00027	20047	Cm-243/244	0 U	0.0071	0.0015	0.0443	1.00 - 5.00
5B-00027	20047	Cm-245/246	0 U J	0.0026	0.0011	0.0401	1.00 - 5.00
5B-00027	20047	Cm-247/248	0.0009 U	0.0069	0.0017	0.0306	1.00 - 5.00
5B-00027	20047	Co-60	0.002 U	0.014	0.0041	0.028	1.00 - 5.00
5B-00027	20047	Cs-134	0.007 U	0.043	0.0022	0.0864	1.00 - 5.00
5B-00027	20047	Cs-137	-0.006 U	0.012	0.0037	0.207	1.00 - 5.00
5B-00027	20047	Eu-152	-0.013 U	0.03	0.0092	0.0566	1.00 - 5.00
5B-00027	20047	Eu-154	-0.012 U	0.074	0.022	0.15	1.00 - 5.00
5B-00027	20047	Eu-155	0.091 SK	0.029	0.013	0.231	1.00 - 5.00
5B-00027	20047	H-3	0.077 U	0.2	0.062	11.9	1.00 - 5.00
5B-00027	20047	Ho-166m	0.0113 SK	0.013	0.0062	0.0432	1.00 - 5.00
5B-00027	20047	K-40	19.9	0.11	0.66	32.4	1.00 - 5.00
5B-00027	20047	Na-22	0.0178	0.014	0.0076	0.037	1.00 - 5.00
5B-00027	20047	Nb-94	0.0096 SK	0.0074	0.0032	0.0214	1.00 - 5.00
5B-00027	20047	Ni-59	0 U	0.16	0.066	5.96	1.00 - 5.00
5B-00027	20047	Ni-63	-0.02 U	0.54	0.17	4.92	1.00 - 5.00
5B-00027	20047	Np-236	-4E-04 U	0.026	0.0077	0.047	1.00 - 5.00
5B-00027	20047	Np-239	-0.006 U	0.07	0.021	0.139	1.00 - 5.00
5B-00027	20047	Pa-231	-0.16 U	0.45	0.14	0.936	1.00 - 5.00
5B-00027	20047	Pb-212	1.46	0.027	0.078	2.69	1.00 - 5.00
5B-00027	20047	Pb-214	0.937	0.02	0.035	1.7	1.00 - 5.00
5B-00027	20047	Pu-236	0.0008 U	0.0022	0.0008	7.79	1.00 - 5.00
5B-00027	20047	Pu-238	0.0032	0.0022	0.0016	0.0415	1.00 - 5.00
5B-00027	20047	Pu-239/240	0.0016	0.0022	0.0011	0.0404	1.00 - 5.00
5B-00027	20047	Pu-244	0 U	0.0021	0.0007	0.0313	1.00 - 5.00
5B-00027	20047	Sb-125	0.12 SK	0.031	0.0082	0.354	1.00 - 5.00
5B-00027	20047	Sn-126	0.0003 U	0.0091	0.0027	0.0237	1.00 - 5.00
5B-00027	20047	Sr-90	0.036	0.039	0.012	0.485	1.00 - 5.00
5B-00027	20047	Tc-99	-0.06 U	0.3	0.09	1.63	1.00 - 5.00
5B-00027	20047	Te-125m	0.0277 SK	0.0072	0.0019	0.0838	1.00 - 5.00
5B-00027	20047	Th-228	1.26	0.018	0.064	3.98	1.00 - 5.00
5B-00027	20047	Th-229	0.0053	0.0082	0.0029	0.145	1.00 - 5.00
5B-00027	20047	Th-230	0.889	0.003	0.048	2.2	1.00 - 5.00
5B-00027	20047	Th-232	1.19	0.003	0.061	3.1	1.00 - 5.00
5B-00027	20047	Th-234	1.35 JR	0.13	0.079	3.19	1.00 - 5.00
5B-00027	20047	Tl-208	0.47	0.014	0.018	0.937	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00027	20047	Tm-171	-5.9 R U	4.3	1.3	72.4	1.00 - 5.00
5B-00027	20047	U-233/234	0.8	0.006	0.042	2.02	1.00 - 5.00
5B-00027	20047	U-235/236	0.0547	0.0027	0.0077	0.151	1.00 - 5.00
5B-00027	20047	U-238	0.802	0.006	0.042	1.8	1.00 - 5.00
5B-00027	20048	Ac-227	0.024 U	0.1	0.045	0.217	0.90 - 1.40
5B-00027	20048	Ac-228	1.2	0.052	0.041	2.4	0.90 - 1.40
5B-00027	20048	Am-241	0.0011 U	0.014	0.0036	0.0454	0.90 - 1.40
5B-00027	20048	Bi-212	0.995	0.099	0.066	2.15	0.90 - 1.40
5B-00027	20048	Bi-214	0.633	0.018	0.025	1.59	0.90 - 1.40
5B-00027	20048	C-14	0.0232	0.029	0.0089	2.96	0.90 - 1.40
5B-00027	20048	Cd-113m	14.6	25	7.5	3030	0.90 - 1.40
5B-00027	20048	Cm-243/244	-0.003 U	0.016	0.0036	0.0443	0.90 - 1.40
5B-00027	20048	Cm-245/246	0.0044	0.003	0.0022	0.0401	0.90 - 1.40
5B-00027	20048	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	0.90 - 1.40
5B-00027	20048	Co-60	0.0038 U	0.012	0.0036	0.028	0.90 - 1.40
5B-00027	20048	Cs-134	0.0115 U	0.028	0.0029	0.0864	0.90 - 1.40
5B-00027	20048	Cs-137	0.0067	0.0072	0.0029	0.207	0.90 - 1.40
5B-00027	20048	Eu-152	0.0001 U	0.028	0.0001	0.0566	0.90 - 1.40
5B-00027	20048	Eu-154	-0.007 U	0.066	0.02	0.15	0.90 - 1.40
5B-00027	20048	Eu-155	0.066 SK	0.028	0.011	0.231	0.90 - 1.40
5B-00027	20048	H-3	0.081 U	0.18	0.055	11.9	0.90 - 1.40
5B-00027	20048	Ho-166m	0.0055 U	0.016	0.0032	0.0432	0.90 - 1.40
5B-00027	20048	K-40	19.1	0.13	0.63	32.4	0.90 - 1.40
5B-00027	20048	Na-22	-0.003 U	0.016	0.0049	0.037	0.90 - 1.40
5B-00027	20048	Nb-94	0.0038 U	0.0095	0.0029	0.0214	0.90 - 1.40
5B-00027	20048	Ni-59	0 U	0.18	0.053	5.96	0.90 - 1.40
5B-00027	20048	Ni-63	-0.09 U	0.57	0.17	4.92	0.90 - 1.40
5B-00027	20048	Np-236	-0.003 U	0.024	0.0071	0.047	0.90 - 1.40
5B-00027	20048	Np-239	0.022 U	0.061	0.018	0.139	0.90 - 1.40
5B-00027	20048	Pa-231	-0.007 U	0.41	0.12	0.936	0.90 - 1.40
5B-00027	20048	Pb-212	1.59	0.019	0.084	2.69	0.90 - 1.40
5B-00027	20048	Pb-214	0.698	0.019	0.027	1.7	0.90 - 1.40
5B-00027	20048	Pu-236	-0.001 U	0.0061	0.0008	7.79	0.90 - 1.40
5B-00027	20048	Pu-238	0.0017	0.0023	0.0012	0.0415	0.90 - 1.40
5B-00027	20048	Pu-239/240	-2E-04 U	0.0061	0.0012	0.0404	0.90 - 1.40
5B-00027	20048	Pu-244	0.0025	0.0023	0.0015	0.0313	0.90 - 1.40
5B-00027	20048	Sb-125	0.125 SK	0.029	0.0081	0.354	0.90 - 1.40
5B-00027	20048	Sn-126	0.0001 U	0.01	0.0031	0.0237	0.90 - 1.40
5B-00027	20048	Sr-90	0.037	0.049	0.016	0.485	0.90 - 1.40
5B-00027	20048	Tc-99	0.012 U	0.25	0.076	1.63	0.90 - 1.40
5B-00027	20048	Te-125m	0.029 SK	0.0068	0.0019	0.0838	0.90 - 1.40

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00027	20048	Th-228	1.39	0.018	0.069	3.98	0.90 - 1.40
5B-00027	20048	Th-229	0.0018 U	0.012	0.0033	0.145	0.90 - 1.40
5B-00027	20048	Th-230	0.826	0.009	0.045	2.2	0.90 - 1.40
5B-00027	20048	Th-232	1.29	0.007	0.065	3.1	0.90 - 1.40
5B-00027	20048	Th-234	1.31 R	0.12	0.075	3.19	0.90 - 1.40
5B-00027	20048	Tl-208	0.472	0.013	0.018	0.937	0.90 - 1.40
5B-00027	20048	Tm-171	-3.2 L U J	4.5	1.4	72.4	0.90 - 1.40
5B-00027	20048	U-233/234	0.65	0.012	0.04	2.02	0.90 - 1.40
5B-00027	20048	U-235/236	0.0308	0.015	0.0079	0.151	0.90 - 1.40
5B-00027	20048	U-238	0.674	0.012	0.041	1.8	0.90 - 1.40
5B-00028	20049	Ac-227	0.055 U	0.13	0.019	0.217	1.00 - 2.00
5B-00028	20049	Ac-228	1.09	0.085	0.058	2.4	1.00 - 2.00
5B-00028	20049	Am-241	0.0039	0.0021	0.0017	0.0454	1.00 - 2.00
5B-00028	20049	Bi-212	1.03	0.12	0.071	2.15	1.00 - 2.00
5B-00028	20049	Bi-214	0.839	0.024	0.03	1.59	1.00 - 2.00
5B-00028	20049	C-14	0.013 U	0.066	0.02	2.96	1.00 - 2.00
5B-00028	20049	Cd-113m	-6 U	40	12	3030	1.00 - 2.00
5B-00028	20049	Cm-243/244	0 U	0.007	0.0016	0.0443	1.00 - 2.00
5B-00028	20049	Cm-245/246	0 U J	0.0023	0.0009	0.0401	1.00 - 2.00
5B-00028	20049	Cm-247/248	0.0008 U	0.0022	0.0008	0.0306	1.00 - 2.00
5B-00028	20049	Co-60	0.0001 U	0.016	0.0047	0.028	1.00 - 2.00
5B-00028	20049	Cs-134	0.0009 U	0.049	0.0034	0.0864	1.00 - 2.00
5B-00028	20049	Cs-137	-0.006 U	0.016	0.0047	0.207	1.00 - 2.00
5B-00028	20049	Eu-152	0.0069 U	0.035	0.0058	0.0566	1.00 - 2.00
5B-00028	20049	Eu-154	0.009 U	0.092	0.014	0.15	1.00 - 2.00
5B-00028	20049	Eu-155	0.087 SK	0.032	0.013	0.231	1.00 - 2.00
5B-00028	20049	H-3	0.089 U	0.2	0.06	11.9	1.00 - 2.00
5B-00028	20049	Ho-166m	0.005 U	0.023	0.0088	0.0432	1.00 - 2.00
5B-00028	20049	K-40	18.7	0.14	0.57	32.4	1.00 - 2.00
5B-00028	20049	Na-22	-0.002 U	0.023	0.007	0.037	1.00 - 2.00
5B-00028	20049	Nb-94	0.0053 U	0.013	0.004	0.0214	1.00 - 2.00
5B-00028	20049	Ni-59	0 U	0.16	0.054	5.96	1.00 - 2.00
5B-00028	20049	Ni-63	0 U	0.52	0.16	4.92	1.00 - 2.00
5B-00028	20049	Np-236	0.0041 U	0.029	0.0087	0.047	1.00 - 2.00
5B-00028	20049	Np-239	0.009 U	0.081	0.024	0.139	1.00 - 2.00
5B-00028	20049	Pa-231	-0.1 U	0.55	0.17	0.936	1.00 - 2.00
5B-00028	20049	Pb-212	1.55	0.021	0.063	2.69	1.00 - 2.00
5B-00028	20049	Pb-214	0.93	0.023	0.031	1.7	1.00 - 2.00
5B-00028	20049	Pu-236	0.0003 U	0.0044	0.0009	7.79	1.00 - 2.00
5B-00028	20049	Pu-238	0.0015	0.002	0.001	0.0415	1.00 - 2.00
5B-00028	20049	Pu-239/240	0.0007 U	0.002	0.0007	0.0404	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00028	20049	Pu-244	0.001 U	0.0044	0.0012	0.0313	1.00 - 2.00
5B-00028	20049	Sb-125	0.128 SK	0.039	0.0093	0.354	1.00 - 2.00
5B-00028	20049	Sn-126	0.0044 U	0.014	0.0042	0.0237	1.00 - 2.00
5B-00028	20049	Sr-90	0.09	0.042	0.015	0.485	1.00 - 2.00
5B-00028	20049	Tc-99	-0.11 U	0.34	0.1	1.63	1.00 - 2.00
5B-00028	20049	Te-125m	0.0296 SK	0.009	0.0021	0.0838	1.00 - 2.00
5B-00028	20049	Th-228	1.23	0.028	0.065	3.98	1.00 - 2.00
5B-00028	20049	Th-229	0.0067	0.007	0.0029	0.145	1.00 - 2.00
5B-00028	20049	Th-230	0.768	0.009	0.045	2.2	1.00 - 2.00
5B-00028	20049	Th-232	1.14	0.009	0.061	3.1	1.00 - 2.00
5B-00028	20049	Th-234	1.35 JR	0.13	0.075	3.19	1.00 - 2.00
5B-00028	20049	Tl-208	0.477	0.016	0.018	0.937	1.00 - 2.00
5B-00028	20049	Tm-171	-0.09 U	6	1.8	72.4	1.00 - 2.00
5B-00028	20049	U-233/234	0.743	0.009	0.04	2.02	1.00 - 2.00
5B-00028	20049	U-235/236	0.0274	0.0081	0.0058	0.151	1.00 - 2.00
5B-00028	20049	U-238	0.72	0.002	0.039	1.8	1.00 - 2.00
5B-00029	20050	Ac-227	0.295 RZ	0.11	0.016	0.217	1.00 - 5.00
5B-00029	20050	Ac-228	1.04	0.058	0.036	2.4	1.00 - 5.00
5B-00029	20050	Am-241	0.0008 U	0.0021	0.0008	0.0454	1.00 - 5.00
5B-00029	20050	Bi-212	0.813	0.095	0.06	2.15	1.00 - 5.00
5B-00029	20050	Bi-214	0.707	0.019	0.027	1.59	1.00 - 5.00
5B-00029	20050	C-14	0.0318	0.027	0.0086	2.96	1.00 - 5.00
5B-00029	20050	Cd-113m	-0.6 U	30	9.1	3030	1.00 - 5.00
5B-00029	20050	Cm-243/244	0 U	0.0021	0.0009	0.0443	1.00 - 5.00
5B-00029	20050	Cm-245/246	-6E-04 U	0.0064	0.0014	0.0401	1.00 - 5.00
5B-00029	20050	Cm-247/248	0 U	0.0016	0.0007	0.0306	1.00 - 5.00
5B-00029	20050	Co-60	-0.002 U	0.014	0.0041	0.028	1.00 - 5.00
5B-00029	20050	Cs-134	0.0088 U J	0.037	0.0028	0.0864	1.00 - 5.00
5B-00029	20050	Cs-137	0.0034 U	0.0076	0.0023	0.207	1.00 - 5.00
5B-00029	20050	Eu-152	0.0071 U	0.021	0.0057	0.0566	1.00 - 5.00
5B-00029	20050	Eu-154	0.005 U	0.059	0.016	0.15	1.00 - 5.00
5B-00029	20050	Eu-155	0.059 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00029	20050	H-3	-0.031 U	0.19	0.056	11.9	1.00 - 5.00
5B-00029	20050	Ho-166m	0.0074 U	0.018	0.0052	0.0432	1.00 - 5.00
5B-00029	20050	K-40	20	0.11	0.66	32.4	1.00 - 5.00
5B-00029	20050	Na-22	-0.005 U J	0.018	0.0054	0.037	1.00 - 5.00
5B-00029	20050	Nb-94	0.0023 U	0.0099	0.003	0.0214	1.00 - 5.00
5B-00029	20050	Ni-59	0 U	0.69	0.15	5.96	1.00 - 5.00
5B-00029	20050	Ni-63	0.63	0.79	0.24	4.92	1.00 - 5.00
5B-00029	20050	Np-236	-0.008 U	0.024	0.0072	0.047	1.00 - 5.00
5B-00029	20050	Np-239	0.005 U	0.047	0.014	0.139	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00029	20050	Pa-231	0.006 U	0.45	0.14	0.936	1.00 - 5.00
5B-00029	20050	Pb-212	1.3	0.018	0.068	2.69	1.00 - 5.00
5B-00029	20050	Pb-214	0.799	0.018	0.03	1.7	1.00 - 5.00
5B-00029	20050	Pu-236	0.0046	0.0058	0.0023	7.79	1.00 - 5.00
5B-00029	20050	Pu-238	0.0006 U	0.0058	0.0014	0.0415	1.00 - 5.00
5B-00029	20050	Pu-239/240	0.0032	0.0022	0.0016	0.0404	1.00 - 5.00
5B-00029	20050	Pu-244	0.0016	0.0022	0.0011	0.0313	1.00 - 5.00
5B-00029	20050	Sb-125	0.0913 SK	0.031	0.0068	0.354	1.00 - 5.00
5B-00029	20050	Sn-126	0.0038 U	0.011	0.0033	0.0237	1.00 - 5.00
5B-00029	20050	Sr-90	-0.022 U	0.055	0.015	0.485	1.00 - 5.00
5B-00029	20050	Tc-99	-0.01 U	0.28	0.086	1.63	1.00 - 5.00
5B-00029	20050	Te-125m	0.0211 SK	0.007	0.0016	0.0838	1.00 - 5.00
5B-00029	20050	Th-228	1.25	0.018	0.065	3.98	1.00 - 5.00
5B-00029	20050	Th-229	0.0131	0.0024	0.0034	0.145	1.00 - 5.00
5B-00029	20050	Th-230	0.858	0.009	0.048	2.2	1.00 - 5.00
5B-00029	20050	Th-232	1.11	0.009	0.059	3.1	1.00 - 5.00
5B-00029	20050	Th-234	1.06	0.12	0.067	3.19	1.00 - 5.00
5B-00029	20050	Tl-208	0.387	0.013	0.016	0.937	1.00 - 5.00
5B-00029	20050	Tm-171	2.9	3.7	1.4	72.4	1.00 - 5.00
5B-00029	20050	U-233/234	0.728	0.01	0.044	2.02	1.00 - 5.00
5B-00029	20050	U-235/236	0.0238	0.0046	0.0065	0.151	1.00 - 5.00
5B-00029	20050	U-238	0.788	0.01	0.047	1.8	1.00 - 5.00
5B-00029	20051	Ac-227	0.034 U	0.11	0.035	0.217	0.00 - 0.50
5B-00029	20051	Ac-228	0.964	0.076	0.037	2.4	0.00 - 0.50
5B-00029	20051	Am-241	0.0025 U	0.0091	0.0026	0.0454	0.00 - 0.50
5B-00029	20051	Bi-212	0.855	0.087	0.055	2.15	0.00 - 0.50
5B-00029	20051	Bi-214	0.818	0.023	0.032	1.59	0.00 - 0.50
5B-00029	20051	C-14	0.069	0.12	0.035	2.96	0.00 - 0.50
5B-00029	20051	Cd-113m	18.9	32	9.9	3030	0.00 - 0.50
5B-00029	20051	Cm-243/244	-0.003 U	0.012	0.0026	0.0443	0.00 - 0.50
5B-00029	20051	Cm-245/246	0.0039 J	0.0021	0.0018	0.0401	0.00 - 0.50
5B-00029	20051	Cm-247/248	0 U	0.0021	0.0009	0.0306	0.00 - 0.50
5B-00029	20051	Co-60	0.002 U	0.013	0.004	0.028	0.00 - 0.50
5B-00029	20051	Cs-134	0.0087 SK	0.006	0.0037	0.0864	0.00 - 0.50
5B-00029	20051	Cs-137	0.0002 U	0.012	0.0036	0.207	0.00 - 0.50
5B-00029	20051	Eu-152	0.0023 U	0.029	0.0015	0.0566	0.00 - 0.50
5B-00029	20051	Eu-154	0.0065 U	0.076	0.0069	0.15	0.00 - 0.50
5B-00029	20051	Eu-155	0.0148 SK	0.029	0.0089	0.231	0.00 - 0.50
5B-00029	20051	H-3	-0.007 U	0.19	0.057	11.9	0.00 - 0.50
5B-00029	20051	Ho-166m	0.011 SK	0.019	0.0066	0.0432	0.00 - 0.50
5B-00029	20051	K-40	21	0.14	0.7	32.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00029	20051	Na-22	-3E-04 U	0.018	0.0054	0.037	0.00 - 0.50
5B-00029	20051	Nb-94	0.0122 SK	0.0089	0.0042	0.0214	0.00 - 0.50
5B-00029	20051	Ni-59	0 U	0.15	0.04	5.96	0.00 - 0.50
5B-00029	20051	Ni-63	-0.18 U	0.56	0.17	4.92	0.00 - 0.50
5B-00029	20051	Np-236	0.0055 U	0.026	0.0078	0.047	0.00 - 0.50
5B-00029	20051	Np-239	0.029 U	0.071	0.022	0.139	0.00 - 0.50
5B-00029	20051	Pa-231	0.15 U	0.47	0.14	0.936	0.00 - 0.50
5B-00029	20051	Pb-212	1.22	0.025	0.065	2.69	0.00 - 0.50
5B-00029	20051	Pb-214	0.947	0.02	0.036	1.7	0.00 - 0.50
5B-00029	20051	Pu-236	-9E-04 U	0.0041	0.0007	7.79	0.00 - 0.50
5B-00029	20051	Pu-238	0.0013 U	0.0052	0.0015	0.0415	0.00 - 0.50
5B-00029	20051	Pu-239/240	0.0013 J	0.0012	0.0008	0.0404	0.00 - 0.50
5B-00029	20051	Pu-244	0.0048 J	0.0012	0.0015	0.0313	0.00 - 0.50
5B-00029	20051	Sb-125	0.121 SK	0.031	0.0091	0.354	0.00 - 0.50
5B-00029	20051	Sn-126	-2E-04 U	0.011	0.0034	0.0237	0.00 - 0.50
5B-00029	20051	Sr-90	0.055	0.06	0.019	0.485	0.00 - 0.50
5B-00029	20051	Tc-99	-0.131 U	0.3	0.091	1.63	0.00 - 0.50
5B-00029	20051	Te-125m	0.0279 SK	0.0072	0.0021	0.0838	0.00 - 0.50
5B-00029	20051	Th-228	1.03	0.01	0.053	3.98	0.00 - 0.50
5B-00029	20051	Th-229	0.0062	0.0034	0.0028	0.145	0.00 - 0.50
5B-00029	20051	Th-230	0.916	0.007	0.048	2.2	0.00 - 0.50
5B-00029	20051	Th-232	0.968	0.008	0.05	3.1	0.00 - 0.50
5B-00029	20051	Th-234	1.26 R	0.13	0.076	3.19	0.00 - 0.50
5B-00029	20051	Tl-208	0.379	0.013	0.015	0.937	0.00 - 0.50
5B-00029	20051	Tm-171	-4.6 R U J	4.8	1.5	72.4	0.00 - 0.50
5B-00029	20051	U-233/234	0.826	0.007	0.045	2.02	0.00 - 0.50
5B-00029	20051	U-235/236	0.0596	0.0034	0.009	0.151	0.00 - 0.50
5B-00029	20051	U-238	0.839	0.003	0.046	1.8	0.00 - 0.50
5B-00030	20052	Ac-227	0.014 U	0.12	0.043	0.217	1.00 - 5.00
5B-00030	20052	Ac-228	0.9	0.088	0.035	2.4	1.00 - 5.00
5B-00030	20052	Am-241	0.0009 U	0.0025	0.0009	0.0454	1.00 - 5.00
5B-00030	20052	Bi-212	0.794	0.12	0.069	2.15	1.00 - 5.00
5B-00030	20052	Bi-214	0.633	0.021	0.023	1.59	1.00 - 5.00
5B-00030	20052	C-14	0.05	0.054	0.017	2.96	1.00 - 5.00
5B-00030	20052	Cd-113m	9 U	34	10	3030	1.00 - 5.00
5B-00030	20052	Cm-243/244	0.0018 U	0.0025	0.0013	0.0443	1.00 - 5.00
5B-00030	20052	Cm-245/246	0.002	0.0018	0.0012	0.0401	1.00 - 5.00
5B-00030	20052	Cm-247/248	-7E-04 U	0.0049	0.0007	0.0306	1.00 - 5.00
5B-00030	20052	Co-60	-2E-04 U	0.016	0.0048	0.028	1.00 - 5.00
5B-00030	20052	Cs-134	0.0019 U J	0.024	0.0026	0.0864	1.00 - 5.00
5B-00030	20052	Cs-137	0.0086	0.015	0.0055	0.207	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00030	20052	Eu-152	0.0019 U	0.023	0.007	0.0566	1.00 - 5.00
5B-00030	20052	Eu-154	-0.002 U	0.072	0.021	0.15	1.00 - 5.00
5B-00030	20052	Eu-155	0.0525 SK	0.027	0.01	0.231	1.00 - 5.00
5B-00030	20052	H-3	-8E-04 U	0.19	0.056	11.9	1.00 - 5.00
5B-00030	20052	Ho-166m	0.0099 U	0.022	0.0073	0.0432	1.00 - 5.00
5B-00030	20052	K-40	18.8	0.12	0.57	32.4	1.00 - 5.00
5B-00030	20052	Na-22	-0.002 U J	0.023	0.0068	0.037	1.00 - 5.00
5B-00030	20052	Nb-94	0.0009 U	0.012	0.0021	0.0214	1.00 - 5.00
5B-00030	20052	Ni-59	0 U	0.65	0.14	5.96	1.00 - 5.00
5B-00030	20052	Ni-63	0.59	0.8	0.24	4.92	1.00 - 5.00
5B-00030	20052	Np-236	-0.003 U	0.024	0.0072	0.047	1.00 - 5.00
5B-00030	20052	Np-239	-0.011 U	0.07	0.021	0.139	1.00 - 5.00
5B-00030	20052	Pa-231	0.006 U	0.45	0.14	0.936	1.00 - 5.00
5B-00030	20052	Pb-212	1.13	0.02	0.046	2.69	1.00 - 5.00
5B-00030	20052	Pb-214	0.696	0.024	0.025	1.7	1.00 - 5.00
5B-00030	20052	Pu-236	0.0003 U	0.0048	0.001	7.79	1.00 - 5.00
5B-00030	20052	Pu-238	0.001 U	0.0066	0.0017	0.0415	1.00 - 5.00
5B-00030	20052	Pu-239/240	0.0011 U	0.0047	0.0013	0.0404	1.00 - 5.00
5B-00030	20052	Pu-244	0.0003 U	0.0047	0.001	0.0313	1.00 - 5.00
5B-00030	20052	Sb-125	0.102 SK	0.036	0.009	0.354	1.00 - 5.00
5B-00030	20052	Sn-126	0.0024 U	0.013	0.0039	0.0237	1.00 - 5.00
5B-00030	20052	Sr-90	-0.01 U	0.056	0.016	0.485	1.00 - 5.00
5B-00030	20052	Tc-99	0 U	0.29	0.089	1.63	1.00 - 5.00
5B-00030	20052	Te-125m	0.0236 SK	0.0082	0.0021	0.0838	1.00 - 5.00
5B-00030	20052	Th-228	1.1	0.02	0.059	3.98	1.00 - 5.00
5B-00030	20052	Th-229	0.0028 U	0.0085	0.0025	0.145	1.00 - 5.00
5B-00030	20052	Th-230	0.852	0.014	0.048	2.2	1.00 - 5.00
5B-00030	20052	Th-232	1.03	0.008	0.055	3.1	1.00 - 5.00
5B-00030	20052	Th-234	0.475	0.13	0.044	3.19	1.00 - 5.00
5B-00030	20052	Tl-208	0.35	0.015	0.014	0.937	1.00 - 5.00
5B-00030	20052	Tm-171	0.8 U J	4.8	1.5	72.4	1.00 - 5.00
5B-00030	20052	U-233/234	0.764	0.009	0.041	2.02	1.00 - 5.00
5B-00030	20052	U-235/236	0.0435	0.0027	0.0069	0.151	1.00 - 5.00
5B-00030	20052	U-238	0.735	0.006	0.039	1.8	1.00 - 5.00
5B-00031	20053	Ac-227	0.031 U	0.11	0.011	0.217	1.00 - 5.00
5B-00031	20053	Ac-228	1.16	0.054	0.04	2.4	1.00 - 5.00
5B-00031	20053	Am-241	0.0031	0.0057	0.0019	0.0454	1.00 - 5.00
5B-00031	20053	Bi-212	0.915	0.091	0.059	2.15	1.00 - 5.00
5B-00031	20053	Bi-214	0.664	0.018	0.026	1.59	1.00 - 5.00
5B-00031	20053	C-14	0.034	0.034	0.011	2.96	1.00 - 5.00
5B-00031	20053	Cd-113m	-6.6 U	28	8.4	3030	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00031	20053	Cm-243/244	0.0072	0.0016	0.0021	0.0443	1.00 - 5.00
5B-00031	20053	Cm-245/246	-0.001 U J	0.0072	0.0011	0.0401	1.00 - 5.00
5B-00031	20053	Cm-247/248	-0.001 U	0.0089	0.0018	0.0306	1.00 - 5.00
5B-00031	20053	Co-60	-0.003 U	0.013	0.0039	0.028	1.00 - 5.00
5B-00031	20053	Cs-134	0.0153 SK	0.0078	0.0041	0.0864	1.00 - 5.00
5B-00031	20053	Cs-137	-0.005 U	0.012	0.0035	0.207	1.00 - 5.00
5B-00031	20053	Eu-152	-0.004 U	0.027	0.0083	0.0566	1.00 - 5.00
5B-00031	20053	Eu-154	-0.014 U	0.071	0.021	0.15	1.00 - 5.00
5B-00031	20053	Eu-155	0.0645 SK	0.025	0.0098	0.231	1.00 - 5.00
5B-00031	20053	H-3	-0.009 U	0.15	0.046	11.9	1.00 - 5.00
5B-00031	20053	Ho-166m	0.0051 U J	0.014	0.0033	0.0432	1.00 - 5.00
5B-00031	20053	K-40	19.5	0.13	0.65	32.4	1.00 - 5.00
5B-00031	20053	Na-22	-4E-04 U	0.016	0.0048	0.037	1.00 - 5.00
5B-00031	20053	Nb-94	0.0045 U	0.0098	0.003	0.0214	1.00 - 5.00
5B-00031	20053	Ni-59	0 U	0.57	0.16	5.96	1.00 - 5.00
5B-00031	20053	Ni-63	0.23 U	0.73	0.22	4.92	1.00 - 5.00
5B-00031	20053	Np-236	-0.002 U	0.025	0.0074	0.047	1.00 - 5.00
5B-00031	20053	Np-239	-0.006 U	0.071	0.021	0.139	1.00 - 5.00
5B-00031	20053	Pa-231	-0.12 U	0.44	0.13	0.936	1.00 - 5.00
5B-00031	20053	Pb-212	1.47	0.019	0.078	2.69	1.00 - 5.00
5B-00031	20053	Pb-214	0.748	0.02	0.029	1.7	1.00 - 5.00
5B-00031	20053	Pu-236	-1E-04 U	0.0052	0.001	7.79	1.00 - 5.00
5B-00031	20053	Pu-238	0.0021	0.0019	0.0012	0.0415	1.00 - 5.00
5B-00031	20053	Pu-239/240	-4E-04 U	0.0043	0.0005	0.0404	1.00 - 5.00
5B-00031	20053	Pu-244	0.0021	0.0019	0.0012	0.0313	1.00 - 5.00
5B-00031	20053	Sb-125	0.117 JSK	0.028	0.0079	0.354	1.00 - 5.00
5B-00031	20053	Sn-126	-0.001 U	0.011	0.0034	0.0237	1.00 - 5.00
5B-00031	20053	Sr-90	0.009 U	0.04	0.012	0.485	1.00 - 5.00
5B-00031	20053	Tc-99	-0.026 U	0.31	0.092	1.63	1.00 - 5.00
5B-00031	20053	Te-125m	0.027 JSK	0.0065	0.0018	0.0838	1.00 - 5.00
5B-00031	20053	Th-228	1.34	0.014	0.067	3.98	1.00 - 5.00
5B-00031	20053	Th-229	0.0073	0.0067	0.0029	0.145	1.00 - 5.00
5B-00031	20053	Th-230	0.898	0.007	0.048	2.2	1.00 - 5.00
5B-00031	20053	Th-232	1.26	0.01	0.064	3.1	1.00 - 5.00
5B-00031	20053	Th-234	0.604 R	0.12	0.046	3.19	1.00 - 5.00
5B-00031	20053	Tl-208	0.446	0.013	0.017	0.937	1.00 - 5.00
5B-00031	20053	Tm-171	-1.9 U	4.9	1.5	72.4	1.00 - 5.00
5B-00031	20053	U-233/234	0.605	0.01	0.036	2.02	1.00 - 5.00
5B-00031	20053	U-235/236	0.0365	0.012	0.0076	0.151	1.00 - 5.00
5B-00031	20053	U-238	0.599	0.003	0.036	1.8	1.00 - 5.00
5B-00031	20054	Ac-227	0.066	0.11	0.033	0.217	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00031	20054	Ac-228	1.11	0.084	0.04	2.4	0.00 - 0.50
5B-00031	20054	Am-241	0.0018 U	0.0067	0.0019	0.0454	0.00 - 0.50
5B-00031	20054	Bi-212	0.899	0.13	0.076	2.15	0.00 - 0.50
5B-00031	20054	Bi-214	0.733	0.024	0.027	1.59	0.00 - 0.50
5B-00031	20054	C-14	0.0235	0.028	0.0087	2.96	0.00 - 0.50
5B-00031	20054	Cd-113m	1 U	38	11	3030	0.00 - 0.50
5B-00031	20054	Cm-243/244	-9E-04 U	0.0084	0.0017	0.0443	0.00 - 0.50
5B-00031	20054	Cm-245/246	0.0017 U J	0.0064	0.0018	0.0401	0.00 - 0.50
5B-00031	20054	Cm-247/248	0 U	0.0062	0.0013	0.0306	0.00 - 0.50
5B-00031	20054	Co-60	0.0025 U	0.019	0.0049	0.028	0.00 - 0.50
5B-00031	20054	Cs-134	0.0098 U	0.03	0.0039	0.0864	0.00 - 0.50
5B-00031	20054	Cs-137	-0.005 U	0.017	0.0067	0.207	0.00 - 0.50
5B-00031	20054	Eu-152	0.012 U	0.03	0.014	0.0566	0.00 - 0.50
5B-00031	20054	Eu-154	0.03 U	0.098	0.029	0.15	0.00 - 0.50
5B-00031	20054	Eu-155	0.07 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00031	20054	H-3	0.029 U	0.2	0.061	11.9	0.00 - 0.50
5B-00031	20054	Ho-166m	0.0042 U	0.019	0.0063	0.0432	0.00 - 0.50
5B-00031	20054	K-40	19.9	0.15	0.61	32.4	0.00 - 0.50
5B-00031	20054	Na-22	-1E-04 U	0.02	0.0059	0.037	0.00 - 0.50
5B-00031	20054	Nb-94	0.0066 U	0.014	0.0042	0.0214	0.00 - 0.50
5B-00031	20054	Ni-59	0 U	0.18	0.051	5.96	0.00 - 0.50
5B-00031	20054	Ni-63	-0.04 U	0.68	0.2	4.92	0.00 - 0.50
5B-00031	20054	Np-236	-0.005 U	0.025	0.0075	0.047	0.00 - 0.50
5B-00031	20054	Np-239	-0.006 U	0.085	0.026	0.139	0.00 - 0.50
5B-00031	20054	Pa-231	-0.15 U	0.56	0.17	0.936	0.00 - 0.50
5B-00031	20054	Pb-212	1.41	0.022	0.058	2.69	0.00 - 0.50
5B-00031	20054	Pb-214	0.857	0.027	0.03	1.7	0.00 - 0.50
5B-00031	20054	Pu-236	0 U	0.0013	0.0005	7.79	0.00 - 0.50
5B-00031	20054	Pu-238	0.0009 U	0.0067	0.0019	0.0415	0.00 - 0.50
5B-00031	20054	Pu-239/240	0.0014	0.0013	0.0008	0.0404	0.00 - 0.50
5B-00031	20054	Pu-244	0.0033	0.0013	0.0013	0.0313	0.00 - 0.50
5B-00031	20054	Sb-125	0.024 SK	0.036	0.011	0.354	0.00 - 0.50
5B-00031	20054	Sn-126	-0.004 U	0.017	0.005	0.0237	0.00 - 0.50
5B-00031	20054	Sr-90	0.031	0.049	0.015	0.485	0.00 - 0.50
5B-00031	20054	Tc-99	-0.07 U	0.27	0.081	1.63	0.00 - 0.50
5B-00031	20054	Te-125m	0.0055 SK	0.0083	0.0025	0.0838	0.00 - 0.50
5B-00031	20054	Th-228	1.1	0.006	0.055	3.98	0.00 - 0.50
5B-00031	20054	Th-229	0.0045	0.0082	0.0027	0.145	0.00 - 0.50
5B-00031	20054	Th-230	0.853	0.002	0.045	2.2	0.00 - 0.50
5B-00031	20054	Th-232	1.1	0.002	0.056	3.1	0.00 - 0.50
5B-00031	20054	Th-234	1.26 R	0.14	0.072	3.19	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00031	20054	Tl-208	0.432	0.016	0.016	0.937	0.00 - 0.50
5B-00031	20054	Tm-171	0.02 U J	4.6	1.4	72.4	0.00 - 0.50
5B-00031	20054	U-233/234	0.729	0.014	0.044	2.02	0.00 - 0.50
5B-00031	20054	U-235/236	0.0458	0.0044	0.0089	0.151	0.00 - 0.50
5B-00031	20054	U-238	0.788	0.004	0.046	1.8	0.00 - 0.50
5B-00032	20055	Ac-227	0.061	0.11	0.014	0.217	1.00 - 5.00
5B-00032	20055	Ac-228	0.997	0.062	0.036	2.4	1.00 - 5.00
5B-00032	20055	Am-241	0.003	0.0028	0.0018	0.0454	1.00 - 5.00
5B-00032	20055	Bi-212	0.801	0.1	0.064	2.15	1.00 - 5.00
5B-00032	20055	Bi-214	0.684	0.019	0.026	1.59	1.00 - 5.00
5B-00032	20055	C-14	0.02	0.034	0.011	2.96	1.00 - 5.00
5B-00032	20055	Cd-113m	2.5 U	31	9.4	3030	1.00 - 5.00
5B-00032	20055	Cm-243/244	0.001 U	0.0027	0.001	0.0443	1.00 - 5.00
5B-00032	20055	Cm-245/246	0.0038 J	0.0083	0.0026	0.0401	1.00 - 5.00
5B-00032	20055	Cm-247/248	-8E-04 U	0.0056	0.0009	0.0306	1.00 - 5.00
5B-00032	20055	Co-60	0.0007 U	0.013	0.0009	0.028	1.00 - 5.00
5B-00032	20055	Cs-134	0.0071 U J	0.037	0.0026	0.0864	1.00 - 5.00
5B-00032	20055	Cs-137	-0.001 U	0.012	0.0036	0.207	1.00 - 5.00
5B-00032	20055	Eu-152	-0.009 U	0.029	0.0087	0.0566	1.00 - 5.00
5B-00032	20055	Eu-154	0.006 U	0.079	0.01	0.15	1.00 - 5.00
5B-00032	20055	Eu-155	0.069 SK	0.026	0.011	0.231	1.00 - 5.00
5B-00032	20055	H-3	0.037 U	0.19	0.057	11.9	1.00 - 5.00
5B-00032	20055	Ho-166m	0.0242 SK	0.018	0.0037	0.0432	1.00 - 5.00
5B-00032	20055	K-40	21.2	0.13	0.7	32.4	1.00 - 5.00
5B-00032	20055	Na-22	0.0038 U J	0.018	0.0054	0.037	1.00 - 5.00
5B-00032	20055	Nb-94	0.0087 SK	0.0079	0.003	0.0214	1.00 - 5.00
5B-00032	20055	Ni-59	0 U	0.75	0.16	5.96	1.00 - 5.00
5B-00032	20055	Ni-63	0.5	0.82	0.24	4.92	1.00 - 5.00
5B-00032	20055	Np-236	-0.007 U	0.025	0.0075	0.047	1.00 - 5.00
5B-00032	20055	Np-239	-0.002 U	0.07	0.021	0.139	1.00 - 5.00
5B-00032	20055	Pa-231	-0.06 U	0.44	0.13	0.936	1.00 - 5.00
5B-00032	20055	Pb-212	1.25	0.018	0.066	2.69	1.00 - 5.00
5B-00032	20055	Pb-214	0.772	0.018	0.029	1.7	1.00 - 5.00
5B-00032	20055	Pu-236	0.0007 U	0.0019	0.0007	7.79	1.00 - 5.00
5B-00032	20055	Pu-238	-1E-04 U	0.005	0.0009	0.0415	1.00 - 5.00
5B-00032	20055	Pu-239/240	0.0027	0.0019	0.0014	0.0404	1.00 - 5.00
5B-00032	20055	Pu-244	0.001 U	0.004	0.0011	0.0313	1.00 - 5.00
5B-00032	20055	Sb-125	0.112 SK	0.025	0.0089	0.354	1.00 - 5.00
5B-00032	20055	Sn-126	0.0022 U	0.012	0.0035	0.0237	1.00 - 5.00
5B-00032	20055	Sr-90	0.011 U	0.051	0.015	0.485	1.00 - 5.00
5B-00032	20055	Tc-99	-0.032 U	0.31	0.094	1.63	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00032	20055	Te-125m	0.0259 SK	0.0057	0.0021	0.0838	1.00 - 5.00
5B-00032	20055	Th-228	0.995	0.024	0.056	3.98	1.00 - 5.00
5B-00032	20055	Th-229	0.004	0.0091	0.0029	0.145	1.00 - 5.00
5B-00032	20055	Th-230	0.848	0.004	0.049	2.2	1.00 - 5.00
5B-00032	20055	Th-232	1	0.01	0.056	3.1	1.00 - 5.00
5B-00032	20055	Th-234	1.29	0.12	0.074	3.19	1.00 - 5.00
5B-00032	20055	Tl-208	0.382	0.014	0.016	0.937	1.00 - 5.00
5B-00032	20055	Tm-171	0.5 U J	3.5	1.1	72.4	1.00 - 5.00
5B-00032	20055	U-233/234	1.02	0.009	0.055	2.02	1.00 - 5.00
5B-00032	20055	U-235/236	0.072	0.011	0.011	0.151	1.00 - 5.00
5B-00032	20055	U-238	0.984	0.003	0.054	1.8	1.00 - 5.00
5B-00032	20056	Ac-227	0.029 U	0.12	0.047	0.217	0.00 - 0.50
5B-00032	20056	Ac-228	1.16	0.08	0.046	2.4	0.00 - 0.50
5B-00032	20056	Am-241	0.0021 U	0.011	0.0031	0.0454	0.00 - 0.50
5B-00032	20056	Bi-212	1.01	0.15	0.094	2.15	0.00 - 0.50
5B-00032	20056	Bi-214	0.817	0.028	0.031	1.59	0.00 - 0.50
5B-00032	20056	C-14	0.0232	0.024	0.0074	2.96	0.00 - 0.50
5B-00032	20056	Cd-113m	-12 U	38	12	3030	0.00 - 0.50
5B-00032	20056	Cm-243/244	-0.005 U	0.018	0.0043	0.0443	0.00 - 0.50
5B-00032	20056	Cm-245/246	0.0009 U J	0.0023	0.0009	0.0401	0.00 - 0.50
5B-00032	20056	Cm-247/248	0 U	0.0023	0.001	0.0306	0.00 - 0.50
5B-00032	20056	Co-60	0.0037 U	0.018	0.0053	0.028	0.00 - 0.50
5B-00032	20056	Cs-134	0.005 U	0.052	0.016	0.0864	0.00 - 0.50
5B-00032	20056	Cs-137	0.0008 U J	0.016	0.0046	0.207	0.00 - 0.50
5B-00032	20056	Eu-152	0.0002 U	0.035	0.01	0.0566	0.00 - 0.50
5B-00032	20056	Eu-154	0.033 U	0.1	0.016	0.15	0.00 - 0.50
5B-00032	20056	Eu-155	0.067 SK	0.031	0.012	0.231	0.00 - 0.50
5B-00032	20056	H-3	-0.035 U	0.18	0.054	11.9	0.00 - 0.50
5B-00032	20056	Ho-166m	0.0095 U	0.023	0.0063	0.0432	0.00 - 0.50
5B-00032	20056	K-40	21.1	0.15	0.64	32.4	0.00 - 0.50
5B-00032	20056	Na-22	0.002 U	0.025	0.0076	0.037	0.00 - 0.50
5B-00032	20056	Nb-94	0 U	0.014	0.0038	0.0214	0.00 - 0.50
5B-00032	20056	Ni-59	0 U	0.2	0.056	5.96	0.00 - 0.50
5B-00032	20056	Ni-63	-0.31 U	0.57	0.17	4.92	0.00 - 0.50
5B-00032	20056	Np-236	-0.003 U	0.03	0.0089	0.047	0.00 - 0.50
5B-00032	20056	Np-239	-0.013 U	0.086	0.026	0.139	0.00 - 0.50
5B-00032	20056	Pa-231	-0.13 U	0.56	0.17	0.936	0.00 - 0.50
5B-00032	20056	Pb-212	1.49	0.022	0.061	2.69	0.00 - 0.50
5B-00032	20056	Pb-214	0.92	0.024	0.032	1.7	0.00 - 0.50
5B-00032	20056	Pu-236	0 U	0.0013	0.0005	7.79	0.00 - 0.50
5B-00032	20056	Pu-238	-0.001 U	0.0052	0.001	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00032	20056	Pu-239/240	0 U	0.0013	0.0005	0.0404	0.00 - 0.50
5B-00032	20056	Pu-244	0.0029	0.0013	0.0012	0.0313	0.00 - 0.50
5B-00032	20056	Sb-125	0.112 SK	0.04	0.0097	0.354	0.00 - 0.50
5B-00032	20056	Sn-126	0.0051 U	0.016	0.0048	0.0237	0.00 - 0.50
5B-00032	20056	Sr-90	-0.024 U	0.052	0.014	0.485	0.00 - 0.50
5B-00032	20056	Tc-99	-0.028 U	0.26	0.079	1.63	0.00 - 0.50
5B-00032	20056	Te-125m	0.0258 SK	0.0092	0.0022	0.0838	0.00 - 0.50
5B-00032	20056	Th-228	1.19	0.012	0.062	3.98	0.00 - 0.50
5B-00032	20056	Th-229	0.0075	0.0091	0.0033	0.145	0.00 - 0.50
5B-00032	20056	Th-230	0.902	0.003	0.049	2.2	0.00 - 0.50
5B-00032	20056	Th-232	1.15	0.003	0.06	3.1	0.00 - 0.50
5B-00032	20056	Th-234	1.45 R	0.15	0.083	3.19	0.00 - 0.50
5B-00032	20056	Tl-208	0.448	0.02	0.018	0.937	0.00 - 0.50
5B-00032	20056	Tm-171	-2.9 U	6.2	1.9	72.4	0.00 - 0.50
5B-00032	20056	U-233/234	0.666	0.002	0.037	2.02	0.00 - 0.50
5B-00032	20056	U-235/236	0.0298	0.01	0.0063	0.151	0.00 - 0.50
5B-00032	20056	U-238	0.678	0.002	0.038	1.8	0.00 - 0.50
5B-00033	20057	Ac-227	0.027 U	0.14	0.039	0.217	1.00 - 5.00
5B-00033	20057	Ac-228	1.16	0.093	0.042	2.4	1.00 - 5.00
5B-00033	20057	Am-241	0.0009 U	0.0023	0.0009	0.0454	1.00 - 5.00
5B-00033	20057	Bi-212	0.942	0.15	0.087	2.15	1.00 - 5.00
5B-00033	20057	Bi-214	0.81	0.024	0.029	1.59	1.00 - 5.00
5B-00033	20057	C-14	0.0168	0.024	0.0074	2.96	1.00 - 5.00
5B-00033	20057	Cd-113m	8.6 U	32	9.5	3030	1.00 - 5.00
5B-00033	20057	Cm-243/244	0.0009 U	0.0023	0.0009	0.0443	1.00 - 5.00
5B-00033	20057	Cm-245/246	0 U J	0.0075	0.0017	0.0401	1.00 - 5.00
5B-00033	20057	Cm-247/248	0.0008 U	0.0058	0.0014	0.0306	1.00 - 5.00
5B-00033	20057	Co-60	0.0008 U	0.019	0.0057	0.028	1.00 - 5.00
5B-00033	20057	Cs-134	0.0117 U J	0.029	0.0037	0.0864	1.00 - 5.00
5B-00033	20057	Cs-137	0.0004 U	0.015	0.0045	0.207	1.00 - 5.00
5B-00033	20057	Eu-152	0.0022 U	0.038	0.0076	0.0566	1.00 - 5.00
5B-00033	20057	Eu-154	-0.045 U	0.11	0.033	0.15	1.00 - 5.00
5B-00033	20057	Eu-155	0.058 SK	0.031	0.012	0.231	1.00 - 5.00
5B-00033	20057	H-3	0.013 U	0.18	0.054	11.9	1.00 - 5.00
5B-00033	20057	Ho-166m	0.0099 U	0.026	0.0069	0.0432	1.00 - 5.00
5B-00033	20057	K-40	20.1	0.15	0.61	32.4	1.00 - 5.00
5B-00033	20057	Na-22	-0.003 U J	0.025	0.0075	0.037	1.00 - 5.00
5B-00033	20057	Nb-94	0.0056 U	0.014	0.0043	0.0214	1.00 - 5.00
5B-00033	20057	Ni-59	0 U	0.74	0.16	5.96	1.00 - 5.00
5B-00033	20057	Ni-63	0.36 U	0.87	0.25	4.92	1.00 - 5.00
5B-00033	20057	Np-236	-6E-04 U	0.025	0.0076	0.047	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00033	20057	Np-239	-0.009 U	0.088	0.027	0.139	1.00 - 5.00
5B-00033	20057	Pa-231	-0.16 U	0.58	0.18	0.936	1.00 - 5.00
5B-00033	20057	Pb-212	1.46	0.023	0.059	2.69	1.00 - 5.00
5B-00033	20057	Pb-214	0.904	0.026	0.032	1.7	1.00 - 5.00
5B-00033	20057	Pu-236	0.0003 U	0.0045	0.0009	7.79	1.00 - 5.00
5B-00033	20057	Pu-238	0.0014 U	0.0055	0.0015	0.0415	1.00 - 5.00
5B-00033	20057	Pu-239/240	0.0008 U	0.002	0.0008	0.0404	1.00 - 5.00
5B-00033	20057	Pu-244	0.0008 U	0.002	0.0008	0.0313	1.00 - 5.00
5B-00033	20057	Sb-125	0.11 SK	0.043	0.0092	0.354	1.00 - 5.00
5B-00033	20057	Sn-126	-0.006 U	0.017	0.005	0.0237	1.00 - 5.00
5B-00033	20057	Sr-90	-0.011 U	0.047	0.013	0.485	1.00 - 5.00
5B-00033	20057	Tc-99	-0.064 U	0.29	0.089	1.63	1.00 - 5.00
5B-00033	20057	Te-125m	0.0255 SK	0.01	0.0021	0.0838	1.00 - 5.00
5B-00033	20057	Th-228	1.25	0.023	0.068	3.98	1.00 - 5.00
5B-00033	20057	Th-229	0.0108	0.009	0.0039	0.145	1.00 - 5.00
5B-00033	20057	Th-230	0.86	0.004	0.051	2.2	1.00 - 5.00
5B-00033	20057	Th-232	1.17	0.011	0.064	3.1	1.00 - 5.00
5B-00033	20057	Th-234	0.599	0.15	0.052	3.19	1.00 - 5.00
5B-00033	20057	Tl-208	0.446	0.018	0.017	0.937	1.00 - 5.00
5B-00033	20057	Tm-171	0.6 U J	4.1	1.2	72.4	1.00 - 5.00
5B-00033	20057	U-233/234	0.702	0.003	0.034	2.02	1.00 - 5.00
5B-00033	20057	U-235/236	0.0342	0.0038	0.0045	0.151	1.00 - 5.00
5B-00033	20057	U-238	0.724	0.004	0.035	1.8	1.00 - 5.00
5B-00034	20058	Ac-227	0.026 U	0.099	0.015	0.217	1.00 - 5.00
5B-00034	20058	Ac-228	0.979	0.05	0.034	2.4	1.00 - 5.00
5B-00034	20058	Am-241	0 U	0.0095	0.0024	0.0454	1.00 - 5.00
5B-00034	20058	Bi-212	0.791	0.079	0.049	2.15	1.00 - 5.00
5B-00034	20058	Bi-214	0.74	0.018	0.028	1.59	1.00 - 5.00
5B-00034	20058	C-14	0.0173	0.032	0.0099	2.96	1.00 - 5.00
5B-00034	20058	Cd-113m	0.08 U	22	6.5	3030	1.00 - 5.00
5B-00034	20058	Cm-243/244	-7E-04 U	0.0093	0.0023	0.0443	1.00 - 5.00
5B-00034	20058	Cm-245/246	0.002 U	0.0073	0.002	0.0401	1.00 - 5.00
5B-00034	20058	Cm-247/248	-0.001 U	0.0091	0.0018	0.0306	1.00 - 5.00
5B-00034	20058	Co-60	0.0014 U	0.013	0.0039	0.028	1.00 - 5.00
5B-00034	20058	Cs-134	0.0054 U	0.033	0.002	0.0864	1.00 - 5.00
5B-00034	20058	Cs-137	-0.002 U	0.0093	0.0028	0.207	1.00 - 5.00
5B-00034	20058	Eu-152	-0.003 U	0.026	0.0078	0.0566	1.00 - 5.00
5B-00034	20058	Eu-154	0.012 U	0.048	0.013	0.15	1.00 - 5.00
5B-00034	20058	Eu-155	0.046 SK	0.025	0.01	0.231	1.00 - 5.00
5B-00034	20058	H-3	0.05 U	0.18	0.055	11.9	1.00 - 5.00
5B-00034	20058	Ho-166m	0.0044 U J	0.015	0.0022	0.0432	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00034	20058	K-40	20.8	0.09	0.68	32.4	1.00 - 5.00
5B-00034	20058	Na-22	-1E-04 U	0.017	0.005	0.037	1.00 - 5.00
5B-00034	20058	Nb-94	0.0024 U	0.0091	0.0021	0.0214	1.00 - 5.00
5B-00034	20058	Ni-59	0.053 U	0.23	0.08	5.96	1.00 - 5.00
5B-00034	20058	Ni-63	-0.04 U	0.45	0.13	4.92	1.00 - 5.00
5B-00034	20058	Np-236	0.0041 U	0.022	0.0066	0.047	1.00 - 5.00
5B-00034	20058	Np-239	-0.008 U	0.06	0.018	0.139	1.00 - 5.00
5B-00034	20058	Pa-231	0.07 U	0.4	0.12	0.936	1.00 - 5.00
5B-00034	20058	Pb-212	1.16	0.023	0.062	2.69	1.00 - 5.00
5B-00034	20058	Pb-214	0.848	0.019	0.032	1.7	1.00 - 5.00
5B-00034	20058	Pu-236	0 U	0.0017	0.0006	7.79	1.00 - 5.00
5B-00034	20058	Pu-238	0.0017 U	0.0059	0.0017	0.0415	1.00 - 5.00
5B-00034	20058	Pu-239/240	0.0038	0.0017	0.0016	0.0404	1.00 - 5.00
5B-00034	20058	Pu-244	0.0026	0.0017	0.0013	0.0313	1.00 - 5.00
5B-00034	20058	Sb-125	0.0946 SK	0.028	0.0065	0.354	1.00 - 5.00
5B-00034	20058	Sn-126	0.005	0.0096	0.0029	0.0237	1.00 - 5.00
5B-00034	20058	Sr-90	-0.002 U	0.029	0.0081	0.485	1.00 - 5.00
5B-00034	20058	Tc-99	0.009 U	0.32	0.096	1.63	1.00 - 5.00
5B-00034	20058	Te-125m	0.0218 SK	0.0064	0.0015	0.0838	1.00 - 5.00
5B-00034	20058	Th-228	1.04	0.015	0.054	3.98	1.00 - 5.00
5B-00034	20058	Th-229	0.0075	0.0062	0.0028	0.145	1.00 - 5.00
5B-00034	20058	Th-230	0.859	0.003	0.046	2.2	1.00 - 5.00
5B-00034	20058	Th-232	1.02	0.003	0.053	3.1	1.00 - 5.00
5B-00034	20058	Th-234	1.12	0.1	0.064	3.19	1.00 - 5.00
5B-00034	20058	Tl-208	0.364	0.012	0.014	0.937	1.00 - 5.00
5B-00034	20058	Tm-171	0.3 U J	3.6	1.1	72.4	1.00 - 5.00
5B-00034	20058	U-233/234	0.623	0.002	0.035	2.02	1.00 - 5.00
5B-00034	20058	U-235/236	0.0285	0.0075	0.0057	0.151	1.00 - 5.00
5B-00034	20058	U-238	0.627	0.008	0.035	1.8	1.00 - 5.00
5B-00034	20059	Ac-227	0.012 U	0.1	0.062	0.217	0.00 - 0.50
5B-00034	20059	Ac-228	1.07	0.097	0.04	2.4	0.00 - 0.50
5B-00034	20059	Am-241	0.0007 U	0.0049	0.0012	0.0454	0.00 - 0.50
5B-00034	20059	Bi-212	0.918	0.15	0.089	2.15	0.00 - 0.50
5B-00034	20059	Bi-214	0.873	0.027	0.032	1.59	0.00 - 0.50
5B-00034	20059	C-14	0 U	0.43	0.13	2.96	0.00 - 0.50
5B-00034	20059	Cd-113m	-0.3 U	42	13	3030	0.00 - 0.50
5B-00034	20059	Cm-243/244	-7E-04 U	0.0048	0.0007	0.0443	0.00 - 0.50
5B-00034	20059	Cm-245/246	0.004 J K	0.0036	0.0023	0.0401	0.00 - 0.50
5B-00034	20059	Cm-247/248	0.0013 U	0.0035	0.0013	0.0306	0.00 - 0.50
5B-00034	20059	Co-60	0.0057 U	0.021	0.0046	0.028	0.00 - 0.50
5B-00034	20059	Cs-134	-0.006 U	0.019	0.0057	0.0864	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00034	20059	Cs-137	0.0073 U	0.019	0.0064	0.207	0.00 - 0.50
5B-00034	20059	Eu-152	0.001 U	0.037	0.011	0.0566	0.00 - 0.50
5B-00034	20059	Eu-154	0.026 U	0.08	0.016	0.15	0.00 - 0.50
5B-00034	20059	Eu-155	0.068 SK	0.033	0.013	0.231	0.00 - 0.50
5B-00034	20059	H-3	0.049 U	0.2	0.061	11.9	0.00 - 0.50
5B-00034	20059	Ho-166m	0.0122 U J	0.027	0.0071	0.0432	0.00 - 0.50
5B-00034	20059	K-40	20.8	0.15	0.64	32.4	0.00 - 0.50
5B-00034	20059	Na-22	-0.007 U	0.028	0.0083	0.037	0.00 - 0.50
5B-00034	20059	Nb-94	0.0028 U	0.016	0.0034	0.0214	0.00 - 0.50
5B-00034	20059	Ni-59	0 U	0.38	0.11	5.96	0.00 - 0.50
5B-00034	20059	Ni-63	0.003 U	0.48	0.14	4.92	0.00 - 0.50
5B-00034	20059	Np-236	-0.008 U	0.03	0.0092	0.047	0.00 - 0.50
5B-00034	20059	Np-239	0.013 U	0.092	0.028	0.139	0.00 - 0.50
5B-00034	20059	Pa-231	-0.09 U	0.55	0.17	0.936	0.00 - 0.50
5B-00034	20059	Pb-212	1.4	0.028	0.058	2.69	0.00 - 0.50
5B-00034	20059	Pb-214	0.946	0.027	0.032	1.7	0.00 - 0.50
5B-00034	20059	Pu-236	-4E-04 U	0.0071	0.0018	7.79	0.00 - 0.50
5B-00034	20059	Pu-238	0.0009 U	0.0041	0.0011	0.0415	0.00 - 0.50
5B-00034	20059	Pu-239/240	-0.001 U	0.0048	0.0009	0.0404	0.00 - 0.50
5B-00034	20059	Pu-244	0.0027	0.0012	0.0011	0.0313	0.00 - 0.50
5B-00034	20059	Sb-125	0.107 SK	0.04	0.01	0.354	0.00 - 0.50
5B-00034	20059	Sn-126	0.0004 U	0.018	0.0053	0.0237	0.00 - 0.50
5B-00034	20059	Sr-90	0.021 U	0.069	0.021	0.485	0.00 - 0.50
5B-00034	20059	Tc-99	-0.082 U	0.31	0.093	1.63	0.00 - 0.50
5B-00034	20059	Te-125m	0.0248 SK	0.0093	0.0023	0.0838	0.00 - 0.50
5B-00034	20059	Th-228	1.04	0.012	0.055	3.98	0.00 - 0.50
5B-00034	20059	Th-229	0.006	0.002	0.0021	0.145	0.00 - 0.50
5B-00034	20059	Th-230	0.79	0.012	0.045	2.2	0.00 - 0.50
5B-00034	20059	Th-232	0.979	0.008	0.053	3.1	0.00 - 0.50
5B-00034	20059	Th-234	0.599 R	0.16	0.054	3.19	0.00 - 0.50
5B-00034	20059	Tl-208	0.431	0.017	0.016	0.937	0.00 - 0.50
5B-00034	20059	Tm-171	0.2 U J	5.9	1.8	72.4	0.00 - 0.50
5B-00034	20059	U-233/234	0.775	0.01	0.043	2.02	0.00 - 0.50
5B-00034	20059	U-235/236	0.0288	0.0032	0.006	0.151	0.00 - 0.50
5B-00034	20059	U-238	0.846	0.003	0.046	1.8	0.00 - 0.50
5B-00035	20060	Ac-227	0.054	0.073	0.016	0.217	1.00 - 5.00
5B-00035	20060	Ac-228	0.961	0.054	0.034	2.4	1.00 - 5.00
5B-00035	20060	Am-241	0.002	0.005	0.0016	0.0454	1.00 - 5.00
5B-00035	20060	Bi-212	0.75	0.095	0.059	2.15	1.00 - 5.00
5B-00035	20060	Bi-214	0.726	0.019	0.028	1.59	1.00 - 5.00
5B-00035	20060	C-14	0.01 U	0.041	0.013	2.96	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00035	20060	Cd-113m	-4 U	30	9	3030	1.00 - 5.00
5B-00035	20060	Cm-243/244	0.004	0.0049	0.0019	0.0443	1.00 - 5.00
5B-00035	20060	Cm-245/246	0.0131 J	0.0021	0.0032	0.0401	1.00 - 5.00
5B-00035	20060	Cm-247/248	0 U	0.002	0.0008	0.0306	1.00 - 5.00
5B-00035	20060	Co-60	0.0015 U	0.012	0.0019	0.028	1.00 - 5.00
5B-00035	20060	Cs-134	0.0041 U J	0.03	0.0091	0.0864	1.00 - 5.00
5B-00035	20060	Cs-137	-0.004 U	0.011	0.0034	0.207	1.00 - 5.00
5B-00035	20060	Eu-152	-0.012 U	0.027	0.0083	0.0566	1.00 - 5.00
5B-00035	20060	Eu-154	-0.018 U	0.071	0.021	0.15	1.00 - 5.00
5B-00035	20060	Eu-155	0.063 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00035	20060	H-3	-0.051 U	0.19	0.056	11.9	1.00 - 5.00
5B-00035	20060	Ho-166m	0.0054 U	0.017	0.0057	0.0432	1.00 - 5.00
5B-00035	20060	K-40	20.3	0.12	0.67	32.4	1.00 - 5.00
5B-00035	20060	Na-22	-0.002 U J	0.016	0.0048	0.037	1.00 - 5.00
5B-00035	20060	Nb-94	0.0041 U	0.0093	0.0028	0.0214	1.00 - 5.00
5B-00035	20060	Ni-59	0 U	0.77	0.17	5.96	1.00 - 5.00
5B-00035	20060	Ni-63	0.53	0.85	0.25	4.92	1.00 - 5.00
5B-00035	20060	Np-236	0.0006 U	0.023	0.007	0.047	1.00 - 5.00
5B-00035	20060	Np-239	-0.008 U	0.068	0.021	0.139	1.00 - 5.00
5B-00035	20060	Pa-231	-0.06 U	0.42	0.13	0.936	1.00 - 5.00
5B-00035	20060	Pb-212	1.22	0.017	0.064	2.69	1.00 - 5.00
5B-00035	20060	Pb-214	0.814	0.018	0.031	1.7	1.00 - 5.00
5B-00035	20060	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 5.00
5B-00035	20060	Pu-238	0.0016	0.0021	0.0011	0.0415	1.00 - 5.00
5B-00035	20060	Pu-239/240	0.0024	0.0021	0.0014	0.0404	1.00 - 5.00
5B-00035	20060	Pu-244	0 U	0.0021	0.0007	0.0313	1.00 - 5.00
5B-00035	20060	Sb-125	0.103 SK	0.029	0.008	0.354	1.00 - 5.00
5B-00035	20060	Sn-126	-3E-04 U	0.011	0.0031	0.0237	1.00 - 5.00
5B-00035	20060	Sr-90	0.0004 U	0.057	0.017	0.485	1.00 - 5.00
5B-00035	20060	Tc-99	-0.052 U	0.28	0.086	1.63	1.00 - 5.00
5B-00035	20060	Te-125m	0.0239 SK	0.0066	0.0018	0.0838	1.00 - 5.00
5B-00035	20060	Th-228	1.22	0.027	0.066	3.98	1.00 - 5.00
5B-00035	20060	Th-229	0.0026 U	0.011	0.0033	0.145	1.00 - 5.00
5B-00035	20060	Th-230	0.852	0.013	0.05	2.2	1.00 - 5.00
5B-00035	20060	Th-232	1.12	0.01	0.061	3.1	1.00 - 5.00
5B-00035	20060	Th-234	1.17	0.11	0.069	3.19	1.00 - 5.00
5B-00035	20060	Tl-208	0.376	0.012	0.015	0.937	1.00 - 5.00
5B-00035	20060	Tm-171	0.4 U J	3.9	1.2	72.4	1.00 - 5.00
5B-00035	20060	U-233/234	0.7	0.001	0.034	2.02	1.00 - 5.00
5B-00035	20060	U-235/236	0.0357	0.0014	0.0045	0.151	1.00 - 5.00
5B-00035	20060	U-238	0.699	0.003	0.034	1.8	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00035	20061	Ac-227	0.0003 U	0.12	0.035	0.217	0.00 - 0.50
5B-00035	20061	Ac-228	0.977	0.077	0.038	2.4	0.00 - 0.50
5B-00035	20061	Am-241	0.0034	0.0031	0.002	0.0454	0.00 - 0.50
5B-00035	20061	Bi-212	0.797	0.11	0.068	2.15	0.00 - 0.50
5B-00035	20061	Bi-214	0.826	0.02	0.031	1.59	0.00 - 0.50
5B-00035	20061	C-14	-0.004 U	0.046	0.014	2.96	0.00 - 0.50
5B-00035	20061	Cd-113m	10 U	34	10	3030	0.00 - 0.50
5B-00035	20061	Cm-243/244	-0.007 U	0.02	0.0048	0.0443	0.00 - 0.50
5B-00035	20061	Cm-245/246	0.0075 J K	0.0034	0.0031	0.0401	0.00 - 0.50
5B-00035	20061	Cm-247/248	0.0012 U	0.0033	0.0012	0.0306	0.00 - 0.50
5B-00035	20061	Co-60	-4E-04 U	0.016	0.0012	0.028	0.00 - 0.50
5B-00035	20061	Cs-134	0.0108 U	0.045	0.008	0.0864	0.00 - 0.50
5B-00035	20061	Cs-137	-0.005 U	0.013	0.004	0.207	0.00 - 0.50
5B-00035	20061	Eu-152	-0.014 U	0.031	0.0095	0.0566	0.00 - 0.50
5B-00035	20061	Eu-154	-0.002 U	0.087	0.0013	0.15	0.00 - 0.50
5B-00035	20061	Eu-155	0.053 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00035	20061	H-3	0.032 U	0.22	0.067	11.9	0.00 - 0.50
5B-00035	20061	Ho-166m	0.0016 U J	0.02	0.0031	0.0432	0.00 - 0.50
5B-00035	20061	K-40	22	0.14	0.73	32.4	0.00 - 0.50
5B-00035	20061	Na-22	-0.006 U	0.02	0.0061	0.037	0.00 - 0.50
5B-00035	20061	Nb-94	0.0058 SK	0.011	0.0033	0.0214	0.00 - 0.50
5B-00035	20061	Ni-59	0 U	0.22	0.073	5.96	0.00 - 0.50
5B-00035	20061	Ni-63	0.01 U	0.45	0.14	4.92	0.00 - 0.50
5B-00035	20061	Np-236	0.0046 U	0.026	0.008	0.047	0.00 - 0.50
5B-00035	20061	Np-239	-0.006 U	0.077	0.023	0.139	0.00 - 0.50
5B-00035	20061	Pa-231	0.21 U	0.45	0.1	0.936	0.00 - 0.50
5B-00035	20061	Pb-212	1.16	0.028	0.062	2.69	0.00 - 0.50
5B-00035	20061	Pb-214	0.938	0.02	0.035	1.7	0.00 - 0.50
5B-00035	20061	Pu-236	-5E-04 U	0.0034	0.0005	7.79	0.00 - 0.50
5B-00035	20061	Pu-238	-5E-04 U	0.0034	0.0005	0.0415	0.00 - 0.50
5B-00035	20061	Pu-239/240	0.0005 U	0.0012	0.0005	0.0404	0.00 - 0.50
5B-00035	20061	Pu-244	0.0014	0.0012	0.0008	0.0313	0.00 - 0.50
5B-00035	20061	Sb-125	0.132 SK	0.033	0.013	0.354	0.00 - 0.50
5B-00035	20061	Sn-126	0 U	0.013	0.0033	0.0237	0.00 - 0.50
5B-00035	20061	Sr-90	-0.004 U	0.049	0.014	0.485	0.00 - 0.50
5B-00035	20061	Tc-99	-0.042 U	0.28	0.085	1.63	0.00 - 0.50
5B-00035	20061	Te-125m	0.0305 SK	0.0076	0.0031	0.0838	0.00 - 0.50
5B-00035	20061	Th-228	0.984	0.014	0.052	3.98	0.00 - 0.50
5B-00035	20061	Th-229	0.0045	0.0083	0.0028	0.145	0.00 - 0.50
5B-00035	20061	Th-230	1.04	0.008	0.055	2.2	0.00 - 0.50
5B-00035	20061	Th-232	1.01	0.003	0.053	3.1	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00035	20061	Th-234	1.37 R	0.13	0.08	3.19	0.00 - 0.50
5B-00035	20061	Tl-208	0.374	0.015	0.016	0.937	0.00 - 0.50
5B-00035	20061	Tm-171	-1.7 U J	5.4	1.6	72.4	0.00 - 0.50
5B-00035	20061	U-233/234	0.715	0.007	0.04	2.02	0.00 - 0.50
5B-00035	20061	U-235/236	0.0322	0.0088	0.0066	0.151	0.00 - 0.50
5B-00035	20061	U-238	0.669	0.007	0.038	1.8	0.00 - 0.50
5B-00036	20062	Ac-227	0.065	0.095	0.029	0.217	1.00 - 5.00
5B-00036	20062	Ac-228	1.02	0.075	0.036	2.4	1.00 - 5.00
5B-00036	20062	Am-241	0.0014 U	0.005	0.0014	0.0454	1.00 - 5.00
5B-00036	20062	Bi-212	0.851	0.12	0.069	2.15	1.00 - 5.00
5B-00036	20062	Bi-214	0.757	0.024	0.028	1.59	1.00 - 5.00
5B-00036	20062	C-14	0.0075 U	0.03	0.0092	2.96	1.00 - 5.00
5B-00036	20062	Cd-113m	11 U	36	11	3030	1.00 - 5.00
5B-00036	20062	Cm-243/244	0.0013 U	0.0018	0.0009	0.0443	1.00 - 5.00
5B-00036	20062	Cm-245/246	0.0006 U	0.0067	0.0017	0.0401	1.00 - 5.00
5B-00036	20062	Cm-247/248	0.0018	0.0016	0.0011	0.0306	1.00 - 5.00
5B-00036	20062	Co-60	0.0038 U	0.018	0.0041	0.028	1.00 - 5.00
5B-00036	20062	Cs-134	0.0001 U J	0.044	0.0002	0.0864	1.00 - 5.00
5B-00036	20062	Cs-137	-0.002 U	0.015	0.0045	0.207	1.00 - 5.00
5B-00036	20062	Eu-152	-0.016 U	0.034	0.01	0.0566	1.00 - 5.00
5B-00036	20062	Eu-154	0.064	0.077	0.024	0.15	1.00 - 5.00
5B-00036	20062	Eu-155	0.063 SK	0.031	0.013	0.231	1.00 - 5.00
5B-00036	20062	H-3	-0.056 U	0.19	0.057	11.9	1.00 - 5.00
5B-00036	20062	Ho-166m	0.0261 SK	0.022	0.0037	0.0432	1.00 - 5.00
5B-00036	20062	K-40	19.8	0.12	0.6	32.4	1.00 - 5.00
5B-00036	20062	Na-22	-0.004 U J	0.023	0.0068	0.037	1.00 - 5.00
5B-00036	20062	Nb-94	-0.003 U	0.012	0.0037	0.0214	1.00 - 5.00
5B-00036	20062	Ni-59	0 U	0.53	0.14	5.96	1.00 - 5.00
5B-00036	20062	Ni-63	0.21 U	0.74	0.22	4.92	1.00 - 5.00
5B-00036	20062	Np-236	-1E-04 U	0.022	0.0066	0.047	1.00 - 5.00
5B-00036	20062	Np-239	0.014 U	0.062	0.019	0.139	1.00 - 5.00
5B-00036	20062	Pa-231	0.05 U	0.53	0.16	0.936	1.00 - 5.00
5B-00036	20062	Pb-212	1.19	0.024	0.049	2.69	1.00 - 5.00
5B-00036	20062	Pb-214	0.844	0.022	0.029	1.7	1.00 - 5.00
5B-00036	20062	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 5.00
5B-00036	20062	Pu-238	0.0022	0.002	0.0013	0.0415	1.00 - 5.00
5B-00036	20062	Pu-239/240	0.0015	0.002	0.001	0.0404	1.00 - 5.00
5B-00036	20062	Pu-244	0.0015	0.002	0.001	0.0313	1.00 - 5.00
5B-00036	20062	Sb-125	0.115 SK	0.038	0.0094	0.354	1.00 - 5.00
5B-00036	20062	Sn-126	0.0027 U	0.015	0.0044	0.0237	1.00 - 5.00
5B-00036	20062	Sr-90	0.027 U	0.048	0.015	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00036	20062	Tc-99	-0.033 U	0.29	0.088	1.63	1.00 - 5.00
5B-00036	20062	Te-125m	0.0265 SK	0.0087	0.0022	0.0838	1.00 - 5.00
5B-00036	20062	Th-228	1.18	0.023	0.062	3.98	1.00 - 5.00
5B-00036	20062	Th-229	0.0049	0.0091	0.003	0.145	1.00 - 5.00
5B-00036	20062	Th-230	0.834	0.008	0.047	2.2	1.00 - 5.00
5B-00036	20062	Th-232	1.1	0.008	0.058	3.1	1.00 - 5.00
5B-00036	20062	Th-234	1.11	0.13	0.068	3.19	1.00 - 5.00
5B-00036	20062	Tl-208	0.404	0.016	0.016	0.937	1.00 - 5.00
5B-00036	20062	Tm-171	-1.2 U J	5.6	1.7	72.4	1.00 - 5.00
5B-00036	20062	U-233/234	0.699	0.001	0.034	2.02	1.00 - 5.00
5B-00036	20062	U-235/236	0.0306	0.0046	0.0042	0.151	1.00 - 5.00
5B-00036	20062	U-238	0.726	0.003	0.035	1.8	1.00 - 5.00
5B-00036	20063	Ac-227	0.041 U	0.13	0.04	0.217	0.00 - 0.50
5B-00036	20063	Ac-228	1.1	0.095	0.041	2.4	0.00 - 0.50
5B-00036	20063	Am-241	0.0008 U	0.0058	0.0014	0.0454	0.00 - 0.50
5B-00036	20063	Bi-212	0.862	0.12	0.066	2.15	0.00 - 0.50
5B-00036	20063	Bi-214	0.885	0.025	0.032	1.59	0.00 - 0.50
5B-00036	20063	C-14	0.0004 U	0.047	0.014	2.96	0.00 - 0.50
5B-00036	20063	Cd-113m	3 U	38	11	3030	0.00 - 0.50
5B-00036	20063	Cm-243/244	-8E-04 U	0.012	0.003	0.0443	0.00 - 0.50
5B-00036	20063	Cm-245/246	0.0025 J K	0.0034	0.0018	0.0401	0.00 - 0.50
5B-00036	20063	Cm-247/248	0.0005 U	0.0072	0.0015	0.0306	0.00 - 0.50
5B-00036	20063	Co-60	0.0011 U	0.019	0.0012	0.028	0.00 - 0.50
5B-00036	20063	Cs-134	0.0122 U	0.031	0.0038	0.0864	0.00 - 0.50
5B-00036	20063	Cs-137	0.0003 U	0.015	0.0043	0.207	0.00 - 0.50
5B-00036	20063	Eu-152	-0.004 U	0.037	0.011	0.0566	0.00 - 0.50
5B-00036	20063	Eu-154	-0.028 U	0.11	0.033	0.15	0.00 - 0.50
5B-00036	20063	Eu-155	0.071 SK	0.031	0.012	0.231	0.00 - 0.50
5B-00036	20063	H-3	0.04 U	0.2	0.061	11.9	0.00 - 0.50
5B-00036	20063	Ho-166m	0.0052 U J	0.024	0.0037	0.0432	0.00 - 0.50
5B-00036	20063	K-40	19.9	0.12	0.61	32.4	0.00 - 0.50
5B-00036	20063	Na-22	0.0061 U	0.023	0.007	0.037	0.00 - 0.50
5B-00036	20063	Nb-94	0.0079 SK	0.013	0.0041	0.0214	0.00 - 0.50
5B-00036	20063	Ni-59	0 U	0.26	0.086	5.96	0.00 - 0.50
5B-00036	20063	Ni-63	-0.11 U	0.5	0.15	4.92	0.00 - 0.50
5B-00036	20063	Np-236	-0.008 U	0.029	0.0089	0.047	0.00 - 0.50
5B-00036	20063	Np-239	0.004 U	0.083	0.025	0.139	0.00 - 0.50
5B-00036	20063	Pa-231	0.103 U	0.55	0.079	0.936	0.00 - 0.50
5B-00036	20063	Pb-212	1.38	0.023	0.057	2.69	0.00 - 0.50
5B-00036	20063	Pb-214	0.91	0.024	0.03	1.7	0.00 - 0.50
5B-00036	20063	Pu-236	-4E-04 U	0.0048	0.0011	7.79	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00036	20063	Pu-238	-4E-04 U	0.0041	0.0008	0.0415	0.00 - 0.50
5B-00036	20063	Pu-239/240	0 U	0.0033	0.0007	0.0404	0.00 - 0.50
5B-00036	20063	Pu-244	0.0026	0.0012	0.0011	0.0313	0.00 - 0.50
5B-00036	20063	Sb-125	0.133 SK	0.039	0.011	0.354	0.00 - 0.50
5B-00036	20063	Sn-126	-2E-04 U	0.015	0.0046	0.0237	0.00 - 0.50
5B-00036	20063	Sr-90	0.034	0.054	0.017	0.485	0.00 - 0.50
5B-00036	20063	Tc-99	-0.028 U	0.31	0.092	1.63	0.00 - 0.50
5B-00036	20063	Te-125m	0.0307 SK	0.009	0.0025	0.0838	0.00 - 0.50
5B-00036	20063	Th-228	1.06	0.018	0.059	3.98	0.00 - 0.50
5B-00036	20063	Th-229	0.0074	0.0088	0.0033	0.145	0.00 - 0.50
5B-00036	20063	Th-230	0.872	0.013	0.05	2.2	0.00 - 0.50
5B-00036	20063	Th-232	1.08	0.01	0.06	3.1	0.00 - 0.50
5B-00036	20063	Th-234	1.36 R	0.14	0.078	3.19	0.00 - 0.50
5B-00036	20063	Tl-208	0.425	0.017	0.017	0.937	0.00 - 0.50
5B-00036	20063	Tm-171	-2.2 U J	4.9	1.5	72.4	0.00 - 0.50
5B-00036	20063	U-233/234	0.749	0.005	0.038	2.02	0.00 - 0.50
5B-00036	20063	U-235/236	0.0184	0.0085	0.0043	0.151	0.00 - 0.50
5B-00036	20063	U-238	0.753	0.002	0.038	1.8	0.00 - 0.50
5B-00037	20064	Ac-227	0.322 RZ	0.1	0.017	0.217	1.00 - 4.50
5B-00037	20064	Ac-228	1.09	0.067	0.04	2.4	1.00 - 4.50
5B-00037	20064	Am-241	0.0038	0.0056	0.0021	0.0454	1.00 - 4.50
5B-00037	20064	Bi-212	0.928	0.092	0.06	2.15	1.00 - 4.50
5B-00037	20064	Bi-214	0.766	0.018	0.029	1.59	1.00 - 4.50
5B-00037	20064	C-14	0.023	0.045	0.014	2.96	1.00 - 4.50
5B-00037	20064	Cd-113m	1.2 U	28	8.6	3030	1.00 - 4.50
5B-00037	20064	Cm-243/244	-7E-04 U	0.009	0.0021	0.0443	1.00 - 4.50
5B-00037	20064	Cm-245/246	-9E-04 U	0.008	0.0016	0.0401	1.00 - 4.50
5B-00037	20064	Cm-247/248	0 U	0.0023	0.001	0.0306	1.00 - 4.50
5B-00037	20064	Co-60	0.0005 U	0.014	0.0005	0.028	1.00 - 4.50
5B-00037	20064	Cs-134	0.006 U	0.038	0.0019	0.0864	1.00 - 4.50
5B-00037	20064	Cs-137	-0.005 U	0.012	0.0036	0.207	1.00 - 4.50
5B-00037	20064	Eu-152	0.004 U	0.028	0.0023	0.0566	1.00 - 4.50
5B-00037	20064	Eu-154	-0.02 U	0.075	0.023	0.15	1.00 - 4.50
5B-00037	20064	Eu-155	0.076 SK	0.029	0.013	0.231	1.00 - 4.50
5B-00037	20064	H-3	0.076 U	0.18	0.056	11.9	1.00 - 4.50
5B-00037	20064	Ho-166m	0.01 JSK	0.017	0.0064	0.0432	1.00 - 4.50
5B-00037	20064	K-40	21.1	0.12	0.7	32.4	1.00 - 4.50
5B-00037	20064	Na-22	-0.003 U	0.018	0.0054	0.037	1.00 - 4.50
5B-00037	20064	Nb-94	0.006 SK	0.0099	0.003	0.0214	1.00 - 4.50
5B-00037	20064	Ni-59	0 U	0.25	0.086	5.96	1.00 - 4.50
5B-00037	20064	Ni-63	0.24 U	0.5	0.15	4.92	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00037	20064	Np-236	0.0015 U	0.024	0.0074	0.047	1.00 - 4.50
5B-00037	20064	Np-239	0.013 U	0.069	0.021	0.139	1.00 - 4.50
5B-00037	20064	Pa-231	0.15 U	0.45	0.11	0.936	1.00 - 4.50
5B-00037	20064	Pb-212	1.4	0.019	0.074	2.69	1.00 - 4.50
5B-00037	20064	Pb-214	0.882	0.02	0.033	1.7	1.00 - 4.50
5B-00037	20064	Pu-236	-0.001 U	0.0051	0.0007	7.79	1.00 - 4.50
5B-00037	20064	Pu-238	0.0031	0.0017	0.0014	0.0415	1.00 - 4.50
5B-00037	20064	Pu-239/240	0.0006 U	0.0017	0.0006	0.0404	1.00 - 4.50
5B-00037	20064	Pu-244	0.0012	0.0017	0.0009	0.0313	1.00 - 4.50
5B-00037	20064	Sb-125	0.121 SK	0.025	0.0081	0.354	1.00 - 4.50
5B-00037	20064	Sn-126	0.0001 U	0.011	0.0033	0.0237	1.00 - 4.50
5B-00037	20064	Sr-90	-0.004 U	0.038	0.011	0.485	1.00 - 4.50
5B-00037	20064	Tc-99	0.03 U	0.36	0.11	1.63	1.00 - 4.50
5B-00037	20064	Te-125m	0.0279 SK	0.0058	0.0019	0.0838	1.00 - 4.50
5B-00037	20064	Th-228	1.23	0.014	0.062	3.98	1.00 - 4.50
5B-00037	20064	Th-229	0.0078	0.0067	0.0028	0.145	1.00 - 4.50
5B-00037	20064	Th-230	0.895	0.007	0.048	2.2	1.00 - 4.50
5B-00037	20064	Th-232	1.22	0.009	0.062	3.1	1.00 - 4.50
5B-00037	20064	Th-234	1.27	0.12	0.073	3.19	1.00 - 4.50
5B-00037	20064	Tl-208	0.427	0.013	0.017	0.937	1.00 - 4.50
5B-00037	20064	Tm-171	-2.7 U J	4.6	1.4	72.4	1.00 - 4.50
5B-00037	20064	U-233/234	0.66	0.007	0.037	2.02	1.00 - 4.50
5B-00037	20064	U-235/236	0.0252	0.0088	0.0058	0.151	1.00 - 4.50
5B-00037	20064	U-238	0.703	0.01	0.039	1.8	1.00 - 4.50
5B-00038	20066	Ac-227	0.022 U	0.12	0.027	0.217	0.00 - 0.50
5B-00038	20066	Ac-228	1.05	0.061	0.037	2.4	0.00 - 0.50
5B-00038	20066	Am-241	0 U	0.011	0.0028	0.0454	0.00 - 0.50
5B-00038	20066	Bi-212	0.95	0.11	0.074	2.15	0.00 - 0.50
5B-00038	20066	Bi-214	0.876	0.023	0.034	1.59	0.00 - 0.50
5B-00038	20066	Cd-113m	3 U	34	10	3030	0.00 - 0.50
5B-00038	20066	Cm-243/244	-0.003 U	0.013	0.0032	0.0443	0.00 - 0.50
5B-00038	20066	Cm-245/246	0.0026 J	0.0061	0.0019	0.0401	0.00 - 0.50
5B-00038	20066	Cm-247/248	0.0038	0.0017	0.0016	0.0306	0.00 - 0.50
5B-00038	20066	Co-60	0.0106	0.0085	0.0027	0.028	0.00 - 0.50
5B-00038	20066	Cs-134	0.0108 U	0.038	0.0034	0.0864	0.00 - 0.50
5B-00038	20066	Cs-137	-0.001 U	0.012	0.0037	0.207	0.00 - 0.50
5B-00038	20066	Eu-152	-0.013 U	0.032	0.0096	0.0566	0.00 - 0.50
5B-00038	20066	Eu-154	0.005 U	0.073	0.013	0.15	0.00 - 0.50
5B-00038	20066	Eu-155	0.059 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00038	20066	H-3	0.013 U	0.19	0.056	11.9	0.00 - 0.50
5B-00038	20066	Ho-166m	0.0004 U	0.018	0.0054	0.0432	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00038	20066	K-40	21.5	0.14	0.71	32.4	0.00 - 0.50
5B-00038	20066	Na-22	0.0017 U	0.018	0.0055	0.037	0.00 - 0.50
5B-00038	20066	Nb-94	-0.004 U	0.0093	0.0028	0.0214	0.00 - 0.50
5B-00038	20066	Ni-59	0 U	0.16	0.043	5.96	0.00 - 0.50
5B-00038	20066	Ni-63	0.006 U	0.55	0.16	4.92	0.00 - 0.50
5B-00038	20066	Np-236	-1E-04 U	0.025	0.0075	0.047	0.00 - 0.50
5B-00038	20066	Np-239	0.014 U	0.075	0.023	0.139	0.00 - 0.50
5B-00038	20066	Pa-231	0.11 U	0.49	0.15	0.936	0.00 - 0.50
5B-00038	20066	Pb-212	1.33	0.021	0.071	2.69	0.00 - 0.50
5B-00038	20066	Pb-214	0.962	0.021	0.036	1.7	0.00 - 0.50
5B-00038	20066	Pu-236	0 U	0.0013	0.0005	7.79	0.00 - 0.50
5B-00038	20066	Pu-238	0.0019	0.0035	0.0012	0.0415	0.00 - 0.50
5B-00038	20066	Pu-239/240	0.0014	0.0013	0.0008	0.0404	0.00 - 0.50
5B-00038	20066	Pu-244	0.0033	0.0013	0.0012	0.0313	0.00 - 0.50
5B-00038	20066	Sb-125	0.106 SK	0.034	0.0089	0.354	0.00 - 0.50
5B-00038	20066	Sn-126	-6E-04 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00038	20066	Sr-90	0.011 U	0.06	0.018	0.485	0.00 - 0.50
5B-00038	20066	Te-125m	0.0246 SK	0.0078	0.0021	0.0838	0.00 - 0.50
5B-00038	20066	Th-228	1.1	0.006	0.056	3.98	0.00 - 0.50
5B-00038	20066	Th-229	0.0049	0.0091	0.003	0.145	0.00 - 0.50
5B-00038	20066	Th-230	1.11	0.008	0.056	2.2	0.00 - 0.50
5B-00038	20066	Th-232	1.07	0.006	0.054	3.1	0.00 - 0.50
5B-00038	20066	Th-234	1.55 R	0.14	0.087	3.19	0.00 - 0.50
5B-00038	20066	Tl-208	0.407	0.014	0.017	0.937	0.00 - 0.50
5B-00038	20066	Tm-171	-4.3 R U J	4.6	1.4	72.4	0.00 - 0.50
5B-00038	20066	U-233/234	0.908	0.011	0.051	2.02	0.00 - 0.50
5B-00038	20066	U-235/236	0.062	0.004	0.01	0.151	0.00 - 0.50
5B-00038	20066	U-238	1.04	0.011	0.056	1.8	0.00 - 0.50
5B-00039	20067	Ac-227	0.009 U	0.1	0.024	0.217	1.00 - 5.00
5B-00039	20067	Ac-228	1.21	0.051	0.042	2.4	1.00 - 5.00
5B-00039	20067	Am-241	0.0018 U	0.0024	0.0013	0.0454	1.00 - 5.00
5B-00039	20067	Bi-212	0.911	0.089	0.058	2.15	1.00 - 5.00
5B-00039	20067	Bi-214	0.839	0.016	0.031	1.59	1.00 - 5.00
5B-00039	20067	Cd-113m	-2.8 U	29	8.8	3030	1.00 - 5.00
5B-00039	20067	Cm-243/244	0.0009 U	0.0024	0.0009	0.0443	1.00 - 5.00
5B-00039	20067	Cm-245/246	0 U J	0.0073	0.0017	0.0401	1.00 - 5.00
5B-00039	20067	Cm-247/248	0.0008 U	0.0021	0.0008	0.0306	1.00 - 5.00
5B-00039	20067	Co-60	-1E-04 U	0.011	0.0033	0.028	1.00 - 5.00
5B-00039	20067	Cs-134	0.0108 U	0.036	0.0033	0.0864	1.00 - 5.00
5B-00039	20067	Cs-137	0.0004 U	0.011	0.0033	0.207	1.00 - 5.00
5B-00039	20067	Eu-152	-0.009 U	0.024	0.0072	0.0566	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00039	20067	Eu-154	0.04	0.048	0.013	0.15	1.00 - 5.00
5B-00039	20067	Eu-155	0.066 SK	0.027	0.011	0.231	1.00 - 5.00
5B-00039	20067	Ho-166m	0.0088 SK	0.016	0.005	0.0432	1.00 - 5.00
5B-00039	20067	K-40	20	0.09	0.66	32.4	1.00 - 5.00
5B-00039	20067	Na-22	0.0033 U J	0.016	0.0049	0.037	1.00 - 5.00
5B-00039	20067	Nb-94	0.004 U	0.0093	0.0028	0.0214	1.00 - 5.00
5B-00039	20067	Np-236	0.0005 U	0.023	0.0069	0.047	1.00 - 5.00
5B-00039	20067	Np-239	-0.002 U	0.067	0.02	0.139	1.00 - 5.00
5B-00039	20067	Pa-231	0.08 U	0.37	0.11	0.936	1.00 - 5.00
5B-00039	20067	Pb-212	1.48 J	0.017	0.078	2.69	1.00 - 5.00
5B-00039	20067	Pb-214	0.921	0.017	0.034	1.7	1.00 - 5.00
5B-00039	20067	Pu-236	-0.002 U	0.0079	0.0012	7.79	1.00 - 5.00
5B-00039	20067	Pu-238	0.005	0.0062	0.0024	0.0415	1.00 - 5.00
5B-00039	20067	Pu-239/240	0.0003 U	0.0051	0.001	0.0404	1.00 - 5.00
5B-00039	20067	Pu-244	0.0029	0.0051	0.0018	0.0313	1.00 - 5.00
5B-00039	20067	Sb-125	0.104 SK	0.029	0.0068	0.354	1.00 - 5.00
5B-00039	20067	Sn-126	0 U	0.01	0.0031	0.0237	1.00 - 5.00
5B-00039	20067	Sr-90	0.015 U	0.035	0.01	0.485	1.00 - 5.00
5B-00039	20067	Te-125m	0.0241 SK	0.0068	0.0016	0.0838	1.00 - 5.00
5B-00039	20067	Th-228	1.32	0.015	0.065	3.98	1.00 - 5.00
5B-00039	20067	Th-229	0.0151	0.0075	0.0042	0.145	1.00 - 5.00
5B-00039	20067	Th-230	0.999	0.008	0.051	2.2	1.00 - 5.00
5B-00039	20067	Th-232	1.33	0.006	0.065	3.1	1.00 - 5.00
5B-00039	20067	Th-234	1.4 R	0.11	0.076	3.19	1.00 - 5.00
5B-00039	20067	Tl-208	0.461	0.012	0.018	0.937	1.00 - 5.00
5B-00039	20067	Tm-171	0.3 U	3.8	1.1	72.4	1.00 - 5.00
5B-00039	20068	Ac-227	0.047 U	0.15	0.045	0.217	0.00 - 0.50
5B-00039	20068	Ac-228	1.21	0.092	0.042	2.4	0.00 - 0.50
5B-00039	20068	Am-241	0.001 U	0.01	0.0027	0.0454	0.00 - 0.50
5B-00039	20068	Bi-212	1.09	0.14	0.09	2.15	0.00 - 0.50
5B-00039	20068	Bi-214	0.84	0.025	0.031	1.59	0.00 - 0.50
5B-00039	20068	Cd-113m	-8 U	43	13	3030	0.00 - 0.50
5B-00039	20068	Cm-243/244	-0.002 U	0.01	0.0021	0.0443	0.00 - 0.50
5B-00039	20068	Cm-245/246	0.0017 U J	0.0023	0.0012	0.0401	0.00 - 0.50
5B-00039	20068	Cm-247/248	0 U	0.0023	0.0009	0.0306	0.00 - 0.50
5B-00039	20068	Co-60	0.0001 U	0.02	0.0005	0.028	0.00 - 0.50
5B-00039	20068	Cs-134	0.0135 U	0.054	0.0056	0.0864	0.00 - 0.50
5B-00039	20068	Cs-137	-0.007 U	0.017	0.0052	0.207	0.00 - 0.50
5B-00039	20068	Eu-152	0.009 U	0.038	0.0092	0.0566	0.00 - 0.50
5B-00039	20068	Eu-154	-0.001 U J	0.11	0.0007	0.15	0.00 - 0.50
5B-00039	20068	Eu-155	0.073 SK	0.035	0.014	0.231	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00039	20068	H-3	0.083 U	0.22	0.067	11.9	0.00 - 0.50
5B-00039	20068	Ho-166m	0.0304 SK	0.026	0.0045	0.0432	0.00 - 0.50
5B-00039	20068	K-40	21.4	0.16	0.65	32.4	0.00 - 0.50
5B-00039	20068	Na-22	-0.005 U	0.026	0.0079	0.037	0.00 - 0.50
5B-00039	20068	Nb-94	0.0058 U	0.015	0.0031	0.0214	0.00 - 0.50
5B-00039	20068	Ni-59	0 U	0.22	0.06	5.96	0.00 - 0.50
5B-00039	20068	Ni-63	-0.07 U	0.53	0.16	4.92	0.00 - 0.50
5B-00039	20068	Np-236	0.0015 U	0.031	0.0093	0.047	0.00 - 0.50
5B-00039	20068	Np-239	0.007 U	0.066	0.02	0.139	0.00 - 0.50
5B-00039	20068	Pa-231	-0.14 U	0.61	0.18	0.936	0.00 - 0.50
5B-00039	20068	Pb-212	1.61	0.024	0.066	2.69	0.00 - 0.50
5B-00039	20068	Pb-214	0.894	0.025	0.031	1.7	0.00 - 0.50
5B-00039	20068	Pu-236	0.0003 U	0.0041	0.0008	7.79	0.00 - 0.50
5B-00039	20068	Pu-238	0 U	0.0019	0.0006	0.0415	0.00 - 0.50
5B-00039	20068	Pu-239/240	0 U	0.0019	0.0006	0.0404	0.00 - 0.50
5B-00039	20068	Pu-244	0.0007 U	0.0019	0.0007	0.0313	0.00 - 0.50
5B-00039	20068	Sb-125	0.156 SK	0.043	0.013	0.354	0.00 - 0.50
5B-00039	20068	Sn-126	-0.001 U	0.017	0.0051	0.0237	0.00 - 0.50
5B-00039	20068	Sr-90	0.005 U	0.043	0.013	0.485	0.00 - 0.50
5B-00039	20068	Te-125m	0.0361 SK	0.01	0.003	0.0838	0.00 - 0.50
5B-00039	20068	Th-228	1.11	0.016	0.057	3.98	0.00 - 0.50
5B-00039	20068	Th-229	0.0099	0.011	0.0044	0.145	0.00 - 0.50
5B-00039	20068	Th-230	0.786	0.007	0.042	2.2	0.00 - 0.50
5B-00039	20068	Th-232	1.07	0.002	0.055	3.1	0.00 - 0.50
5B-00039	20068	Th-234	0.382	0.16	0.05	3.19	0.00 - 0.50
5B-00039	20068	Tl-208	0.496	0.018	0.019	0.937	0.00 - 0.50
5B-00039	20068	Tm-171	-3.8 L U J	5.7	1.7	72.4	0.00 - 0.50
5B-00039	20068	U-233/234	0.78	0.015	0.046	2.02	0.00 - 0.50
5B-00039	20068	U-235/236	0.0383	0.0043	0.008	0.151	0.00 - 0.50
5B-00039	20068	U-238	0.801	0.003	0.046	1.8	0.00 - 0.50
5B-00040	20069	Ac-227	0.05 U	0.11	0.045	0.217	1.00 - 5.00
5B-00040	20069	Ac-228	1.24	0.054	0.043	2.4	1.00 - 5.00
5B-00040	20069	Am-241	0 U	0.0087	0.002	0.0454	1.00 - 5.00
5B-00040	20069	Bi-212	1.01	0.097	0.064	2.15	1.00 - 5.00
5B-00040	20069	Bi-214	0.851	0.02	0.032	1.59	1.00 - 5.00
5B-00040	20069	C-14	-0.004 U	0.055	0.017	2.96	1.00 - 5.00
5B-00040	20069	Cd-113m	-3.8 U	32	9.7	3030	1.00 - 5.00
5B-00040	20069	Cm-243/244	-0.002 U	0.012	0.0028	0.0443	1.00 - 5.00
5B-00040	20069	Cm-245/246	0.0007 U	0.0019	0.0007	0.0401	1.00 - 5.00
5B-00040	20069	Cm-247/248	0.0014 U	0.0018	0.001	0.0306	1.00 - 5.00
5B-00040	20069	Co-60	0.0005 U	0.01	0.003	0.028	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00040	20069	Cs-134	-0.003 U	0.035	0.0083	0.0864	1.00 - 5.00
5B-00040	20069	Cs-137	-0.003 U	0.011	0.0034	0.207	1.00 - 5.00
5B-00040	20069	Eu-152	-0.008 U	0.029	0.0088	0.0566	1.00 - 5.00
5B-00040	20069	Eu-154	-0.022 U	0.065	0.02	0.15	1.00 - 5.00
5B-00040	20069	Eu-155	0.081 SK	0.029	0.013	0.231	1.00 - 5.00
5B-00040	20069	H-3	0.102	0.19	0.059	11.9	1.00 - 5.00
5B-00040	20069	Ho-166m	0.0156 SK	0.018	0.0041	0.0432	1.00 - 5.00
5B-00040	20069	K-40	19.5	0.14	0.65	32.4	1.00 - 5.00
5B-00040	20069	Na-22	0.0015 U	0.013	0.0038	0.037	1.00 - 5.00
5B-00040	20069	Nb-94	0.0037 U	0.01	0.0023	0.0214	1.00 - 5.00
5B-00040	20069	Ni-59	0 U	0.15	0.055	5.96	1.00 - 5.00
5B-00040	20069	Ni-63	0.03 U	0.47	0.15	4.92	1.00 - 5.00
5B-00040	20069	Np-236	0 U	0.025	0.0076	0.047	1.00 - 5.00
5B-00040	20069	Np-239	-0.017 U	0.071	0.021	0.139	1.00 - 5.00
5B-00040	20069	Pa-231	0.29	0.31	0.1	0.936	1.00 - 5.00
5B-00040	20069	Pb-212	1.58	0.02	0.083	2.69	1.00 - 5.00
5B-00040	20069	Pb-214	0.94	0.021	0.035	1.7	1.00 - 5.00
5B-00040	20069	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 5.00
5B-00040	20069	Pu-238	0.0022	0.002	0.0013	0.0415	1.00 - 5.00
5B-00040	20069	Pu-239/240	0.001 U	0.0043	0.0011	0.0404	1.00 - 5.00
5B-00040	20069	Pu-244	0.0017	0.0043	0.0013	0.0313	1.00 - 5.00
5B-00040	20069	Sb-125	0.133 SK	0.031	0.009	0.354	1.00 - 5.00
5B-00040	20069	Sn-126	-2E-04 U	0.011	0.0032	0.0237	1.00 - 5.00
5B-00040	20069	Sr-90	-0.002 U	0.04	0.012	0.485	1.00 - 5.00
5B-00040	20069	Tc-99	-0.008 U	0.27	0.081	1.63	1.00 - 5.00
5B-00040	20069	Te-125m	0.0307 SK	0.0071	0.0021	0.0838	1.00 - 5.00
5B-00040	20069	Th-228	1	0.015	0.05	3.98	1.00 - 5.00
5B-00040	20069	Th-229	0.006	0.0023	0.0023	0.145	1.00 - 5.00
5B-00040	20069	Th-230	0.724	0.01	0.038	2.2	1.00 - 5.00
5B-00040	20069	Th-232	0.957	0.007	0.048	3.1	1.00 - 5.00
5B-00040	20069	Th-234	0.322 JR	0.13	0.042	3.19	1.00 - 5.00
5B-00040	20069	Tl-208	0.481	0.013	0.018	0.937	1.00 - 5.00
5B-00040	20069	Tm-171	-1.4 U	5.3	1.6	72.4	1.00 - 5.00
5B-00040	20069	U-233/234	0.789	0.003	0.044	2.02	1.00 - 5.00
5B-00040	20069	U-235/236	0.0353	0.0096	0.0072	0.151	1.00 - 5.00
5B-00040	20069	U-238	0.856	0.003	0.047	1.8	1.00 - 5.00
5B-00041	20070	Ac-227	0.017 U	0.13	0.047	0.217	1.00 - 5.00
5B-00041	20070	Ac-228	1.17	0.09	0.042	2.4	1.00 - 5.00
5B-00041	20070	Am-241	0.0043	0.0067	0.0023	0.0454	1.00 - 5.00
5B-00041	20070	Bi-212	1.02	0.12	0.07	2.15	1.00 - 5.00
5B-00041	20070	Bi-214	0.689	0.025	0.026	1.59	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00041	20070	C-14	0.015 U	0.061	0.018	2.96	1.00 - 5.00
5B-00041	20070	Cd-113m	0.7 U	35	10	3030	1.00 - 5.00
5B-00041	20070	Cm-243/244	0.007	0.0076	0.0029	0.0443	1.00 - 5.00
5B-00041	20070	Cm-245/246	0.0024 J	0.0022	0.0014	0.0401	1.00 - 5.00
5B-00041	20070	Cm-247/248	0.0016 U	0.0021	0.0011	0.0306	1.00 - 5.00
5B-00041	20070	Co-60	-0.008 U	0.017	0.0052	0.028	1.00 - 5.00
5B-00041	20070	Cs-134	0.0125 SK	0.016	0.0042	0.0864	1.00 - 5.00
5B-00041	20070	Cs-137	0.008 U	0.017	0.0066	0.207	1.00 - 5.00
5B-00041	20070	Eu-152	0 U	0.032	0	0.0566	1.00 - 5.00
5B-00041	20070	Eu-154	0.0026 U	0.1	0.004	0.15	1.00 - 5.00
5B-00041	20070	Eu-155	0.077 SK	0.031	0.012	0.231	1.00 - 5.00
5B-00041	20070	H-3	-0.015 U	0.21	0.062	11.9	1.00 - 5.00
5B-00041	20070	Ho-166m	0.0091 U	0.024	0.0093	0.0432	1.00 - 5.00
5B-00041	20070	K-40	17.8	0.14	0.54	32.4	1.00 - 5.00
5B-00041	20070	Na-22	-0.008 U	0.023	0.007	0.037	1.00 - 5.00
5B-00041	20070	Nb-94	0.0023 U	0.014	0.0041	0.0214	1.00 - 5.00
5B-00041	20070	Ni-59	0 U	0.2	0.078	5.96	1.00 - 5.00
5B-00041	20070	Ni-63	-0.008 U	0.63	0.19	4.92	1.00 - 5.00
5B-00041	20070	Np-236	-0.008 U	0.028	0.0083	0.047	1.00 - 5.00
5B-00041	20070	Np-239	-9E-04 U	0.084	0.025	0.139	1.00 - 5.00
5B-00041	20070	Pa-231	0.13 U	0.54	0.12	0.936	1.00 - 5.00
5B-00041	20070	Pb-212	1.6	0.022	0.065	2.69	1.00 - 5.00
5B-00041	20070	Pb-214	0.752	0.026	0.028	1.7	1.00 - 5.00
5B-00041	20070	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 5.00
5B-00041	20070	Pu-238	0.0007 U	0.0019	0.0007	0.0415	1.00 - 5.00
5B-00041	20070	Pu-239/240	0.0014	0.0019	0.001	0.0404	1.00 - 5.00
5B-00041	20070	Pu-244	0.0007 U	0.0019	0.0007	0.0313	1.00 - 5.00
5B-00041	20070	Sb-125	0.14 SK	0.041	0.011	0.354	1.00 - 5.00
5B-00041	20070	Sn-126	-0.001 U	0.016	0.0047	0.0237	1.00 - 5.00
5B-00041	20070	Sr-90	-0.014 U	0.041	0.011	0.485	1.00 - 5.00
5B-00041	20070	Tc-99	-0.048 U	0.29	0.088	1.63	1.00 - 5.00
5B-00041	20070	Te-125m	0.0323 SK	0.0096	0.0026	0.0838	1.00 - 5.00
5B-00041	20070	Th-228	1.31	0.021	0.067	3.98	1.00 - 5.00
5B-00041	20070	Th-229	0.0096	0.0078	0.0036	0.145	1.00 - 5.00
5B-00041	20070	Th-230	0.968	0.008	0.052	2.2	1.00 - 5.00
5B-00041	20070	Th-232	1.24	0.008	0.064	3.1	1.00 - 5.00
5B-00041	20070	Th-234	0.609 JR	0.15	0.051	3.19	1.00 - 5.00
5B-00041	20070	Tl-208	0.475	0.019	0.019	0.937	1.00 - 5.00
5B-00041	20070	Tm-171	0.7 U	3.9	1.2	72.4	1.00 - 5.00
5B-00041	20070	U-233/234	0.664	0.01	0.039	2.02	1.00 - 5.00
5B-00041	20070	U-235/236	0.0352	0.0037	0.0071	0.151	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00041	20070	U-238	0.669	0.012	0.039	1.8	1.00 - 5.00
5B-00042	20071	Ac-227	0.067 U	0.14	0.056	0.217	1.00 - 5.00
5B-00042	20071	Ac-228	1.24	0.095	0.044	2.4	1.00 - 5.00
5B-00042	20071	Am-241	0 U	0.0081	0.002	0.0454	1.00 - 5.00
5B-00042	20071	Bi-212	1.11	0.15	0.09	2.15	1.00 - 5.00
5B-00042	20071	Bi-214	0.729	0.03	0.029	1.59	1.00 - 5.00
5B-00042	20071	C-14	-0.005 U	0.057	0.017	2.96	1.00 - 5.00
5B-00042	20071	Cd-113m	2 U	41	12	3030	1.00 - 5.00
5B-00042	20071	Cm-243/244	0.0022	0.0054	0.0017	0.0443	1.00 - 5.00
5B-00042	20071	Cm-245/246	0.0007 U	0.0019	0.0007	0.0401	1.00 - 5.00
5B-00042	20071	Cm-247/248	0.0007 U	0.0019	0.0007	0.0306	1.00 - 5.00
5B-00042	20071	Co-60	0.0005 U	0.021	0.0061	0.028	1.00 - 5.00
5B-00042	20071	Cs-134	0.0154 SK	0.017	0.0041	0.0864	1.00 - 5.00
5B-00042	20071	Cs-137	0.0181	0.017	0.0061	0.207	1.00 - 5.00
5B-00042	20071	Eu-152	0.0017 U	0.041	0.0021	0.0566	1.00 - 5.00
5B-00042	20071	Eu-154	0.015 U	0.1	0.015	0.15	1.00 - 5.00
5B-00042	20071	Eu-155	0.071 SK	0.034	0.014	0.231	1.00 - 5.00
5B-00042	20071	H-3	0.033 U	0.2	0.061	11.9	1.00 - 5.00
5B-00042	20071	Ho-166m	-0.004 U	0.027	0.0081	0.0432	1.00 - 5.00
5B-00042	20071	K-40	19.8	0.13	0.6	32.4	1.00 - 5.00
5B-00042	20071	Na-22	-0.002 U	0.021	0.0062	0.037	1.00 - 5.00
5B-00042	20071	Nb-94	-0.001 U	0.013	0.0037	0.0214	1.00 - 5.00
5B-00042	20071	Ni-59	0 U	0.14	0.056	5.96	1.00 - 5.00
5B-00042	20071	Ni-63	-0.03 U	0.46	0.14	4.92	1.00 - 5.00
5B-00042	20071	Np-236	-0.009 U	0.029	0.0089	0.047	1.00 - 5.00
5B-00042	20071	Np-239	0.036 U	0.089	0.027	0.139	1.00 - 5.00
5B-00042	20071	Pa-231	0.1 U	0.6	0.18	0.936	1.00 - 5.00
5B-00042	20071	Pb-212	1.67	0.024	0.068	2.69	1.00 - 5.00
5B-00042	20071	Pb-214	0.807	0.029	0.03	1.7	1.00 - 5.00
5B-00042	20071	Pu-236	-5E-04 U	0.0045	0.0005	7.79	1.00 - 5.00
5B-00042	20071	Pu-238	0.0014 U	0.0055	0.0015	0.0415	1.00 - 5.00
5B-00042	20071	Pu-239/240	0.0018	0.0045	0.0014	0.0404	1.00 - 5.00
5B-00042	20071	Pu-244	0.0045	0.002	0.0019	0.0313	1.00 - 5.00
5B-00042	20071	Sb-125	0.121 SK	0.044	0.0099	0.354	1.00 - 5.00
5B-00042	20071	Sn-126	0.0039 U	0.017	0.0052	0.0237	1.00 - 5.00
5B-00042	20071	Sr-90	0.021	0.035	0.011	0.485	1.00 - 5.00
5B-00042	20071	Tc-99	-0.055 U	0.3	0.091	1.63	1.00 - 5.00
5B-00042	20071	Te-125m	0.0279 SK	0.01	0.0023	0.0838	1.00 - 5.00
5B-00042	20071	Th-228	1.25	0.024	0.066	3.98	1.00 - 5.00
5B-00042	20071	Th-229	0.0123	0.0094	0.004	0.145	1.00 - 5.00
5B-00042	20071	Th-230	0.897	0.012	0.051	2.2	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00042	20071	Th-232	1.23	0.009	0.065	3.1	1.00 - 5.00
5B-00042	20071	Th-234	0.31 JR	0.17	0.053	3.19	1.00 - 5.00
5B-00042	20071	Tl-208	0.477	0.018	0.018	0.937	1.00 - 5.00
5B-00042	20071	Tm-171	2.2 U	6.3	1.9	72.4	1.00 - 5.00
5B-00042	20071	U-233/234	0.617	0.002	0.035	2.02	1.00 - 5.00
5B-00042	20071	U-235/236	0.0358	0.008	0.0066	0.151	1.00 - 5.00
5B-00042	20071	U-238	0.676	0.002	0.037	1.8	1.00 - 5.00
5B-00043	20072	Ac-227	-0.015 U	0.15	0.044	0.217	1.00 - 5.00
5B-00043	20072	Ac-228	1.16	0.092	0.044	2.4	1.00 - 5.00
5B-00043	20072	Am-241	0.0007 U	0.0054	0.0013	0.0454	1.00 - 5.00
5B-00043	20072	Bi-212	0.924	0.14	0.08	2.15	1.00 - 5.00
5B-00043	20072	Bi-214	0.852	0.025	0.031	1.59	1.00 - 5.00
5B-00043	20072	C-14	0.0183	0.024	0.0075	2.96	1.00 - 5.00
5B-00043	20072	Cd-113m	17 U	40	12	3030	1.00 - 5.00
5B-00043	20072	Cm-243/244	0.0015 U	0.002	0.001	0.0443	1.00 - 5.00
5B-00043	20072	Cm-245/246	0.001 U	0.0028	0.001	0.0401	1.00 - 5.00
5B-00043	20072	Cm-247/248	0.0014 U	0.006	0.0016	0.0306	1.00 - 5.00
5B-00043	20072	Co-60	-9E-04 U	0.017	0.0049	0.028	1.00 - 5.00
5B-00043	20072	Cs-134	0.0013 U J	0.059	0.0012	0.0864	1.00 - 5.00
5B-00043	20072	Cs-137	0.0013 U J	0.015	0.0045	0.207	1.00 - 5.00
5B-00043	20072	Eu-152	-0.009 U	0.039	0.012	0.0566	1.00 - 5.00
5B-00043	20072	Eu-154	-0.039 U	0.098	0.03	0.15	1.00 - 5.00
5B-00043	20072	Eu-155	0.086 SK	0.046	0.02	0.231	1.00 - 5.00
5B-00043	20072	H-3	0.096	0.043	0.019	11.9	1.00 - 5.00
5B-00043	20072	Ho-166m	0.025 SK	0.024	0.0044	0.0432	1.00 - 5.00
5B-00043	20072	K-40	20.4	0.11	0.61	32.4	1.00 - 5.00
5B-00043	20072	Na-22	0.0027 U	0.017	0.005	0.037	1.00 - 5.00
5B-00043	20072	Nb-94	0.011 SK	0.009	0.0038	0.0214	1.00 - 5.00
5B-00043	20072	Ni-59	0 U	0.35	0.076	5.96	1.00 - 5.00
5B-00043	20072	Ni-63	0.18 U	0.63	0.19	4.92	1.00 - 5.00
5B-00043	20072	Np-236	0.0007 U	0.028	0.0085	0.047	1.00 - 5.00
5B-00043	20072	Np-239	0.002 U	0.091	0.027	0.139	1.00 - 5.00
5B-00043	20072	Pa-231	-0.09 U	0.61	0.18	0.936	1.00 - 5.00
5B-00043	20072	Pb-212	1.36	0.026	0.042	2.69	1.00 - 5.00
5B-00043	20072	Pb-214	0.884	0.025	0.038	1.7	1.00 - 5.00
5B-00043	20072	Pu-236	-0.002 U	0.0074	0.0014	7.79	1.00 - 5.00
5B-00043	20072	Pu-238	0.0019	0.0048	0.0015	0.0415	1.00 - 5.00
5B-00043	20072	Pu-239/240	0.002	0.0018	0.0011	0.0404	1.00 - 5.00
5B-00043	20072	Pu-244	0 U	0.0018	0.0006	0.0313	1.00 - 5.00
5B-00043	20072	Sb-125	0.036 JSK	0.028	0.012	0.354	1.00 - 5.00
5B-00043	20072	Sn-126	0.0009 U	0.012	0.0035	0.0237	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00043	20072	Sr-90	0.005 U	0.05	0.015	0.485	1.00 - 5.00
5B-00043	20072	Tc-99	-0.062 U	0.3	0.091	1.63	1.00 - 5.00
5B-00043	20072	Te-125m	0.0082 JSK	0.0065	0.0029	0.0838	1.00 - 5.00
5B-00043	20072	Th-228	1.26	0.021	0.065	3.98	1.00 - 5.00
5B-00043	20072	Th-229	0.0131	0.0077	0.0038	0.145	1.00 - 5.00
5B-00043	20072	Th-230	0.871	0.01	0.048	2.2	1.00 - 5.00
5B-00043	20072	Th-232	1.19	0.003	0.061	3.1	1.00 - 5.00
5B-00043	20072	Th-234	1.06 R	0.2	0.071	3.19	1.00 - 5.00
5B-00043	20072	Tl-208	0.458	0.017	0.018	0.937	1.00 - 5.00
5B-00043	20072	Tm-171	5.1	7.8	3	72.4	1.00 - 5.00
5B-00043	20072	U-233/234	0.707	0.007	0.039	2.02	1.00 - 5.00
5B-00043	20072	U-235/236	0.0304	0.0083	0.0062	0.151	1.00 - 5.00
5B-00043	20072	U-238	0.701	0.008	0.039	1.8	1.00 - 5.00
5B-00044	20073	Ac-227	0.307	0.11	0.017	0.217	1.00 - 5.00
5B-00044	20073	Ac-228	1.15	0.066	0.041	2.4	1.00 - 5.00
5B-00044	20073	Am-241	0.0029	0.0072	0.0022	0.0454	1.00 - 5.00
5B-00044	20073	Bi-212	1.03	0.1	0.068	2.15	1.00 - 5.00
5B-00044	20073	Bi-214	0.694	0.02	0.027	1.59	1.00 - 5.00
5B-00044	20073	C-14	0.005 U	0.072	0.022	2.96	1.00 - 5.00
5B-00044	20073	Cd-113m	-6.4 U	32	9.8	3030	1.00 - 5.00
5B-00044	20073	Cm-243/244	-0.002 U	0.0089	0.0015	0.0443	1.00 - 5.00
5B-00044	20073	Cm-245/246	0.0017 U J	0.0023	0.0012	0.0401	1.00 - 5.00
5B-00044	20073	Cm-247/248	0.0017 U	0.0023	0.0012	0.0306	1.00 - 5.00
5B-00044	20073	Co-60	0.0029 U	0.014	0.0041	0.028	1.00 - 5.00
5B-00044	20073	Cs-134	0.017 U	0.04	0.0045	0.0864	1.00 - 5.00
5B-00044	20073	Cs-137	-0.002 U	0.012	0.0036	0.207	1.00 - 5.00
5B-00044	20073	Eu-152	0.0014 U	0.028	0.0021	0.0566	1.00 - 5.00
5B-00044	20073	Eu-154	0.0036 U	0.077	0.0085	0.15	1.00 - 5.00
5B-00044	20073	Eu-155	0.064 SK	0.03	0.013	0.231	1.00 - 5.00
5B-00044	20073	H-3	0.049 U	0.22	0.066	11.9	1.00 - 5.00
5B-00044	20073	Ho-166m	0.0074 U	0.019	0.0068	0.0432	1.00 - 5.00
5B-00044	20073	K-40	21.2	0.12	0.7	32.4	1.00 - 5.00
5B-00044	20073	Na-22	0.0028 U	0.018	0.0055	0.037	1.00 - 5.00
5B-00044	20073	Nb-94	0 U	0.011	0.0033	0.0214	1.00 - 5.00
5B-00044	20073	Ni-59	0 U	0.15	0.062	5.96	1.00 - 5.00
5B-00044	20073	Ni-63	-0.15 U	0.49	0.15	4.92	1.00 - 5.00
5B-00044	20073	Np-236	0.0032 U	0.025	0.0077	0.047	1.00 - 5.00
5B-00044	20073	Np-239	0.004 U	0.072	0.022	0.139	1.00 - 5.00
5B-00044	20073	Pa-231	-0.11 U	0.49	0.15	0.936	1.00 - 5.00
5B-00044	20073	Pb-212	1.51	0.02	0.08	2.69	1.00 - 5.00
5B-00044	20073	Pb-214	0.811	0.021	0.031	1.7	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00044	20073	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 5.00
5B-00044	20073	Pu-238	0.0003 U	0.0046	0.0009	0.0415	1.00 - 5.00
5B-00044	20073	Pu-239/240	0.0031	0.0021	0.0016	0.0404	1.00 - 5.00
5B-00044	20073	Pu-244	0.0016	0.0021	0.0011	0.0313	1.00 - 5.00
5B-00044	20073	Sb-125	0.138 SK	0.031	0.01	0.354	1.00 - 5.00
5B-00044	20073	Sn-126	-0.004 U	0.013	0.0038	0.0237	1.00 - 5.00
5B-00044	20073	Sr-90	-0.004 U	0.04	0.011	0.485	1.00 - 5.00
5B-00044	20073	Tc-99	0.02 U	0.32	0.097	1.63	1.00 - 5.00
5B-00044	20073	Te-125m	0.0319 SK	0.0071	0.0023	0.0838	1.00 - 5.00
5B-00044	20073	Th-228	1.11	0.027	0.061	3.98	1.00 - 5.00
5B-00044	20073	Th-229	0.0059	0.0087	0.0032	0.145	1.00 - 5.00
5B-00044	20073	Th-230	0.939	0.01	0.053	2.2	1.00 - 5.00
5B-00044	20073	Th-232	1.06	0.01	0.058	3.1	1.00 - 5.00
5B-00044	20073	Th-234	1.44 JR	0.13	0.081	3.19	1.00 - 5.00
5B-00044	20073	Tl-208	0.451	0.014	0.018	0.937	1.00 - 5.00
5B-00044	20073	Tm-171	0.4 U	3.9	1.2	72.4	1.00 - 5.00
5B-00044	20073	U-233/234	0.693	0.009	0.037	2.02	1.00 - 5.00
5B-00044	20073	U-235/236	0.0327	0.0027	0.0058	0.151	1.00 - 5.00
5B-00044	20073	U-238	0.69	0.007	0.037	1.8	1.00 - 5.00
5B-00045	20074	Ac-227	0.075 J	0.15	0.016	0.217	1.00 - 4.00
5B-00045	20074	Ac-228	1.3	0.091	0.048	2.4	1.00 - 4.00
5B-00045	20074	Am-241	0.002 U	0.0073	0.0021	0.0454	1.00 - 4.00
5B-00045	20074	Bi-212	1.01	0.15	0.086	2.15	1.00 - 4.00
5B-00045	20074	Bi-214	0.802	0.028	0.03	1.59	1.00 - 4.00
5B-00045	20074	C-14	0 U	0.049	0.015	2.96	1.00 - 4.00
5B-00045	20074	Cd-113m	5 U	40	12	3030	1.00 - 4.00
5B-00045	20074	Cm-243/244	0.0098	0.0072	0.0035	0.0443	1.00 - 4.00
5B-00045	20074	Cm-245/246	0 U J	0.0088	0.0018	0.0401	1.00 - 4.00
5B-00045	20074	Cm-247/248	0.0012 U	0.0032	0.0012	0.0306	1.00 - 4.00
5B-00045	20074	Co-60	-0.002 U	0.02	0.0059	0.028	1.00 - 4.00
5B-00045	20074	Cs-134	0.0142 U	0.066	0.0055	0.0864	1.00 - 4.00
5B-00045	20074	Cs-137	-1E-04 U	0.014	0.0041	0.207	1.00 - 4.00
5B-00045	20074	Eu-152	0.019 U	0.044	0.013	0.0566	1.00 - 4.00
5B-00045	20074	Eu-154	-0.032 U	0.11	0.033	0.15	1.00 - 4.00
5B-00045	20074	Eu-155	0.067 SK	0.055	0.024	0.231	1.00 - 4.00
5B-00045	20074	H-3	0.068 U	0.21	0.064	11.9	1.00 - 4.00
5B-00045	20074	Ho-166m	0.0112 U	0.026	0.0077	0.0432	1.00 - 4.00
5B-00045	20074	K-40	21	0.12	0.63	32.4	1.00 - 4.00
5B-00045	20074	Na-22	-0.004 U	0.027	0.0079	0.037	1.00 - 4.00
5B-00045	20074	Nb-94	0.0059 U	0.015	0.0045	0.0214	1.00 - 4.00
5B-00045	20074	Ni-59	0 U	0.17	0.063	5.96	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00045	20074	Ni-63	0.08 U	0.54	0.17	4.92	1.00 - 4.00
5B-00045	20074	Np-236	-0.004 U	0.039	0.012	0.047	1.00 - 4.00
5B-00045	20074	Np-239	-0.029 U	0.1	0.03	0.139	1.00 - 4.00
5B-00045	20074	Pa-231	0.26	0.43	0.12	0.936	1.00 - 4.00
5B-00045	20074	Pb-212	1.46	0.041	0.048	2.69	1.00 - 4.00
5B-00045	20074	Pb-214	0.852	0.028	0.037	1.7	1.00 - 4.00
5B-00045	20074	Pu-236	0.0007 U	0.0061	0.0014	7.79	1.00 - 4.00
5B-00045	20074	Pu-238	0 U	0.0023	0.0007	0.0415	1.00 - 4.00
5B-00045	20074	Pu-239/240	0.0029	0.005	0.0018	0.0404	1.00 - 4.00
5B-00045	20074	Pu-244	0.0025	0.0023	0.0015	0.0313	1.00 - 4.00
5B-00045	20074	Sb-125	0.149 SK	0.051	0.013	0.354	1.00 - 4.00
5B-00045	20074	Sn-126	-0.002 U	0.017	0.0052	0.0237	1.00 - 4.00
5B-00045	20074	Sr-90	0.002 U	0.044	0.013	0.485	1.00 - 4.00
5B-00045	20074	Tc-99	-0.035 U	0.31	0.093	1.63	1.00 - 4.00
5B-00045	20074	Te-125m	0.0345 SK	0.012	0.003	0.0838	1.00 - 4.00
5B-00045	20074	Th-228	1.21	0.016	0.064	3.98	1.00 - 4.00
5B-00045	20074	Th-229	0.0051	0.0075	0.0027	0.145	1.00 - 4.00
5B-00045	20074	Th-230	0.865	0.003	0.049	2.2	1.00 - 4.00
5B-00045	20074	Th-232	1.23	0.009	0.065	3.1	1.00 - 4.00
5B-00045	20074	Th-234	1.31 JR	0.23	0.083	3.19	1.00 - 4.00
5B-00045	20074	Tl-208	0.558	0.023	0.022	0.937	1.00 - 4.00
5B-00045	20074	Tm-171	-13.2 R U	11	3.4	72.4	1.00 - 4.00
5B-00045	20074	U-233/234	0.76	0.006	0.04	2.02	1.00 - 4.00
5B-00045	20074	U-235/236	0.0375	0.0075	0.0065	0.151	1.00 - 4.00
5B-00045	20074	U-238	0.761	0.002	0.041	1.8	1.00 - 4.00
5B-00046	20075	Ac-227	0.054 U	0.13	0.015	0.217	1.00 - 5.00
5B-00046	20075	Ac-228	1.27	0.065	0.045	2.4	1.00 - 5.00
5B-00046	20075	Am-241	0.0025	0.0023	0.0014	0.0454	1.00 - 5.00
5B-00046	20075	Bi-212	1.03	0.1	0.064	2.15	1.00 - 5.00
5B-00046	20075	Bi-214	0.887	0.023	0.034	1.59	1.00 - 5.00
5B-00046	20075	C-14	0.077 U	0.16	0.049	2.96	1.00 - 5.00
5B-00046	20075	Cd-113m	-4 U	36	11	3030	1.00 - 5.00
5B-00046	20075	Cm-243/244	0.0016 U	0.0022	0.0012	0.0443	1.00 - 5.00
5B-00046	20075	Cm-245/246	0.0008 U J	0.007	0.0018	0.0401	1.00 - 5.00
5B-00046	20075	Cm-247/248	0 U	0.002	0.0008	0.0306	1.00 - 5.00
5B-00046	20075	Co-60	-5E-04 U	0.015	0.0045	0.028	1.00 - 5.00
5B-00046	20075	Cs-134	0.015 U	0.049	0.0044	0.0864	1.00 - 5.00
5B-00046	20075	Cs-137	-0.006 U	0.013	0.004	0.207	1.00 - 5.00
5B-00046	20075	Eu-152	0.0066 U	0.033	0.0095	0.0566	1.00 - 5.00
5B-00046	20075	Eu-154	0.023 U	0.084	0.017	0.15	1.00 - 5.00
5B-00046	20075	Eu-155	0.093 SK	0.031	0.013	0.231	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00046	20075	H-3	0.071 U	0.21	0.063	11.9	1.00 - 5.00
5B-00046	20075	Ho-166m	0.0217 SK	0.017	0.006	0.0432	1.00 - 5.00
5B-00046	20075	K-40	21.1	0.13	0.7	32.4	1.00 - 5.00
5B-00046	20075	Na-22	-0.007 U	0.022	0.0065	0.037	1.00 - 5.00
5B-00046	20075	Nb-94	0.0008 U	0.011	0.0033	0.0214	1.00 - 5.00
5B-00046	20075	Ni-59	0 U	0.16	0.056	5.96	1.00 - 5.00
5B-00046	20075	Ni-63	0.11 U	0.53	0.16	4.92	1.00 - 5.00
5B-00046	20075	Np-236	-0.007 U	0.028	0.0083	0.047	1.00 - 5.00
5B-00046	20075	Np-239	0.004 U	0.05	0.015	0.139	1.00 - 5.00
5B-00046	20075	Pa-231	0.08 U	0.53	0.095	0.936	1.00 - 5.00
5B-00046	20075	Pb-212	1.62	0.021	0.085	2.69	1.00 - 5.00
5B-00046	20075	Pb-214	1.04	0.024	0.04	1.7	1.00 - 5.00
5B-00046	20075	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 5.00
5B-00046	20075	Pu-238	0.0028	0.0019	0.0014	0.0415	1.00 - 5.00
5B-00046	20075	Pu-239/240	0.001 U	0.0042	0.0011	0.0404	1.00 - 5.00
5B-00046	20075	Pu-244	0.0042	0.0019	0.0017	0.0313	1.00 - 5.00
5B-00046	20075	Sb-125	0.155 SK	0.036	0.011	0.354	1.00 - 5.00
5B-00046	20075	Sn-126	0.0035 U	0.013	0.004	0.0237	1.00 - 5.00
5B-00046	20075	Sr-90	-0.002 U	0.041	0.012	0.485	1.00 - 5.00
5B-00046	20075	Tc-99	-0.031 U	0.31	0.094	1.63	1.00 - 5.00
5B-00046	20075	Te-125m	0.0359 SK	0.0084	0.0025	0.0838	1.00 - 5.00
5B-00046	20075	Th-228	1.28	0.017	0.066	3.98	1.00 - 5.00
5B-00046	20075	Th-229	0.0035 U	0.011	0.0033	0.145	1.00 - 5.00
5B-00046	20075	Th-230	0.87	0.003	0.048	2.2	1.00 - 5.00
5B-00046	20075	Th-232	1.19	0.003	0.062	3.1	1.00 - 5.00
5B-00046	20075	Th-234	0.711 JR	0.14	0.054	3.19	1.00 - 5.00
5B-00046	20075	Tl-208	0.49	0.017	0.02	0.937	1.00 - 5.00
5B-00046	20075	Tm-171	-4 L U	4.8	1.5	72.4	1.00 - 5.00
5B-00046	20075	U-233/234	0.713	0.006	0.038	2.02	1.00 - 5.00
5B-00046	20075	U-235/236	0.0378	0.0095	0.0068	0.151	1.00 - 5.00
5B-00046	20075	U-238	0.716	0.008	0.039	1.8	1.00 - 5.00
5B-00047	20076	Ac-227	0.045 U	0.11	0.015	0.217	1.00 - 5.00
5B-00047	20076	Ac-228	1.22	0.076	0.043	2.4	1.00 - 5.00
5B-00047	20076	Am-241	0.0051	0.0067	0.0025	0.0454	1.00 - 5.00
5B-00047	20076	Bi-212	1.04	0.11	0.076	2.15	1.00 - 5.00
5B-00047	20076	Bi-214	0.842	0.02	0.032	1.59	1.00 - 5.00
5B-00047	20076	C-14	-0.03 U R	2.4	0.73	2.96	1.00 - 5.00
5B-00047	20076	Cd-113m	17.4	24	9.2	3030	1.00 - 5.00
5B-00047	20076	Cm-243/244	0.0014 U	0.0052	0.0015	0.0443	1.00 - 5.00
5B-00047	20076	Cm-245/246	0 U J	0.009	0.0022	0.0401	1.00 - 5.00
5B-00047	20076	Cm-247/248	0.0016 U	0.0022	0.0012	0.0306	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00047	20076	Co-60	-0.004 U	0.014	0.0041	0.028	1.00 - 5.00
5B-00047	20076	Cs-134	0.0004 U	0.034	0.0011	0.0864	1.00 - 5.00
5B-00047	20076	Cs-137	-0.003 U	0.012	0.0037	0.207	1.00 - 5.00
5B-00047	20076	Eu-152	0.0023 U	0.027	0.0025	0.0566	1.00 - 5.00
5B-00047	20076	Eu-154	-0.014 U	0.073	0.022	0.15	1.00 - 5.00
5B-00047	20076	Eu-155	0.075 SK	0.03	0.013	0.231	1.00 - 5.00
5B-00047	20076	H-3	0.069 U	0.21	0.064	11.9	1.00 - 5.00
5B-00047	20076	Ho-166m	0.0336 SK	0.018	0.0039	0.0432	1.00 - 5.00
5B-00047	20076	K-40	20.6	0.14	0.68	32.4	1.00 - 5.00
5B-00047	20076	Na-22	-0.001 U	0.018	0.0053	0.037	1.00 - 5.00
5B-00047	20076	Nb-94	0.0038 U	0.01	0.003	0.0214	1.00 - 5.00
5B-00047	20076	Ni-59	0 U	0.13	0.053	5.96	1.00 - 5.00
5B-00047	20076	Ni-63	0.13 U	0.44	0.14	4.92	1.00 - 5.00
5B-00047	20076	Np-236	0.009 U	0.023	0.0071	0.047	1.00 - 5.00
5B-00047	20076	Np-239	-0.019 U	0.074	0.022	0.139	1.00 - 5.00
5B-00047	20076	Pa-231	0.039 U	0.46	0.061	0.936	1.00 - 5.00
5B-00047	20076	Pb-212	1.63	0.02	0.086	2.69	1.00 - 5.00
5B-00047	20076	Pb-214	0.938	0.022	0.036	1.7	1.00 - 5.00
5B-00047	20076	Pu-236	0.0008 U	0.0021	0.0008	7.79	1.00 - 5.00
5B-00047	20076	Pu-238	0.0008 U	0.0021	0.0008	0.0415	1.00 - 5.00
5B-00047	20076	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	1.00 - 5.00
5B-00047	20076	Pu-244	0.0008 U	0.0021	0.0008	0.0313	1.00 - 5.00
5B-00047	20076	Sb-125	0.144 SK	0.03	0.0097	0.354	1.00 - 5.00
5B-00047	20076	Sn-126	0.0012 U	0.0076	0.0023	0.0237	1.00 - 5.00
5B-00047	20076	Sr-90	0.022	0.035	0.011	0.485	1.00 - 5.00
5B-00047	20076	Tc-99	-0.042 U	0.3	0.092	1.63	1.00 - 5.00
5B-00047	20076	Te-125m	0.0333 SK	0.0069	0.0022	0.0838	1.00 - 5.00
5B-00047	20076	Th-228	1.33	0.02	0.066	3.98	1.00 - 5.00
5B-00047	20076	Th-229	0.0079	0.0092	0.0035	0.145	1.00 - 5.00
5B-00047	20076	Th-230	0.936	0.01	0.049	2.2	1.00 - 5.00
5B-00047	20076	Th-232	1.25	0.007	0.063	3.1	1.00 - 5.00
5B-00047	20076	Th-234	1.44 JR	0.13	0.081	3.19	1.00 - 5.00
5B-00047	20076	Tl-208	0.486	0.013	0.019	0.937	1.00 - 5.00
5B-00047	20076	Tm-171	-5.6 R U	4.5	1.4	72.4	1.00 - 5.00
5B-00047	20076	U-233/234	0.724	0.006	0.039	2.02	1.00 - 5.00
5B-00047	20076	U-235/236	0.0339	0.0026	0.0059	0.151	1.00 - 5.00
5B-00047	20076	U-238	0.737	0.006	0.039	1.8	1.00 - 5.00
5B-00048	20077	Ac-227	0.06	0.091	0.018	0.217	1.00 - 5.00
5B-00048	20077	Ac-228	1.18	0.062	0.041	2.4	1.00 - 5.00
5B-00048	20077	Am-241	0.0022	0.002	0.0013	0.0454	1.00 - 5.00
5B-00048	20077	Bi-212	0.987	0.1	0.067	2.15	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00048	20077	Bi-214	0.724	0.02	0.028	1.59	1.00 - 5.00
5B-00048	20077	C-14	0.028	0.051	0.015	2.96	1.00 - 5.00
5B-00048	20077	Cd-113m	6.5 U	25	7.6	3030	1.00 - 5.00
5B-00048	20077	Cm-243/244	0.0021	0.0019	0.0012	0.0443	1.00 - 5.00
5B-00048	20077	Cm-245/246	0.0007 U J	0.008	0.0021	0.0401	1.00 - 5.00
5B-00048	20077	Cm-247/248	0.0022	0.002	0.0013	0.0306	1.00 - 5.00
5B-00048	20077	Co-60	-7E-04 U	0.015	0.0045	0.028	1.00 - 5.00
5B-00048	20077	Cs-134	0.0116 U	0.04	0.0049	0.0864	1.00 - 5.00
5B-00048	20077	Cs-137	-0.007 U	0.013	0.004	0.207	1.00 - 5.00
5B-00048	20077	Eu-152	-0.001 U	0.031	0.0023	0.0566	1.00 - 5.00
5B-00048	20077	Eu-154	-0.029 U	0.063	0.019	0.15	1.00 - 5.00
5B-00048	20077	Eu-155	0.082 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00048	20077	H-3	0.021 U	0.19	0.058	11.9	1.00 - 5.00
5B-00048	20077	Ho-166m	0.0049 U J	0.019	0.0042	0.0432	1.00 - 5.00
5B-00048	20077	K-40	22.7	0.14	0.75	32.4	1.00 - 5.00
5B-00048	20077	Na-22	0 U	0.022	0.0042	0.037	1.00 - 5.00
5B-00048	20077	Nb-94	0.0028 U	0.011	0.0027	0.0214	1.00 - 5.00
5B-00048	20077	Ni-59	0 U	0.51	0.15	5.96	1.00 - 5.00
5B-00048	20077	Ni-63	0.36	0.69	0.21	4.92	1.00 - 5.00
5B-00048	20077	Np-236	-8E-04 U	0.026	0.0079	0.047	1.00 - 5.00
5B-00048	20077	Np-239	0.007 U	0.075	0.023	0.139	1.00 - 5.00
5B-00048	20077	Pa-231	0.1 U	0.5	0.15	0.936	1.00 - 5.00
5B-00048	20077	Pb-212	1.52	0.019	0.08	2.69	1.00 - 5.00
5B-00048	20077	Pb-214	0.866	0.023	0.034	1.7	1.00 - 5.00
5B-00048	20077	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 5.00
5B-00048	20077	Pu-238	0 U	0.0019	0.0006	0.0415	1.00 - 5.00
5B-00048	20077	Pu-239/240	0.0017	0.0041	0.0013	0.0404	1.00 - 5.00
5B-00048	20077	Pu-244	0.0031	0.0041	0.0016	0.0313	1.00 - 5.00
5B-00048	20077	Sb-125	0.0895 JSK	0.033	0.0069	0.354	1.00 - 5.00
5B-00048	20077	Sn-126	-0.001 U	0.013	0.0038	0.0237	1.00 - 5.00
5B-00048	20077	Sr-90	0.011 U	0.042	0.013	0.485	1.00 - 5.00
5B-00048	20077	Tc-99	-0.048 U	0.28	0.084	1.63	1.00 - 5.00
5B-00048	20077	Te-125m	0.0207 JSK	0.0076	0.0016	0.0838	1.00 - 5.00
5B-00048	20077	Th-228	1.2	0.014	0.062	3.98	1.00 - 5.00
5B-00048	20077	Th-229	0.005	0.0023	0.0021	0.145	1.00 - 5.00
5B-00048	20077	Th-230	0.774	0.003	0.043	2.2	1.00 - 5.00
5B-00048	20077	Th-232	1.05	0.008	0.055	3.1	1.00 - 5.00
5B-00048	20077	Th-234	1.26 R	0.13	0.076	3.19	1.00 - 5.00
5B-00048	20077	Tl-208	0.457	0.016	0.019	0.937	1.00 - 5.00
5B-00048	20077	Tm-171	-0.2 U	5.3	1.6	72.4	1.00 - 5.00
5B-00048	20077	U-233/234	0.651	0.006	0.036	2.02	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00048	20077	U-235/236	0.0289	0.0029	0.0057	0.151	1.00 - 5.00
5B-00048	20077	U-238	0.645	0.002	0.036	1.8	1.00 - 5.00
5B-00048	20078	Ac-227	0.045 U	0.15	0.044	0.217	0.00 - 0.50
5B-00048	20078	Ac-228	1.17	0.11	0.045	2.4	0.00 - 0.50
5B-00048	20078	Am-241	0.0062	0.0082	0.003	0.0454	0.00 - 0.50
5B-00048	20078	Bi-212	0.945	0.15	0.091	2.15	0.00 - 0.50
5B-00048	20078	Bi-214	0.743	0.028	0.029	1.59	0.00 - 0.50
5B-00048	20078	C-14	0.033	0.032	0.01	2.96	0.00 - 0.50
5B-00048	20078	Cd-113m	-5 U	42	13	3030	0.00 - 0.50
5B-00048	20078	Cm-243/244	0.0113	0.0081	0.0037	0.0443	0.00 - 0.50
5B-00048	20078	Cm-245/246	0 U J	0.0038	0.0016	0.0401	0.00 - 0.50
5B-00048	20078	Cm-247/248	0.0014 U	0.0037	0.0014	0.0306	0.00 - 0.50
5B-00048	20078	Co-60	0 U	0.021	0.0054	0.028	0.00 - 0.50
5B-00048	20078	Cs-134	0.0144 U	0.052	0.0049	0.0864	0.00 - 0.50
5B-00048	20078	Cs-137	-0.005 U	0.017	0.0052	0.207	0.00 - 0.50
5B-00048	20078	Eu-152	0.0044 U	0.04	0.0035	0.0566	0.00 - 0.50
5B-00048	20078	Eu-154	0.014 U	0.11	0.013	0.15	0.00 - 0.50
5B-00048	20078	Eu-155	0.064 SK	0.033	0.013	0.231	0.00 - 0.50
5B-00048	20078	H-3	0.061 U	0.19	0.056	11.9	0.00 - 0.50
5B-00048	20078	Ho-166m	0.0041 U	0.026	0.0068	0.0432	0.00 - 0.50
5B-00048	20078	K-40	22.2	0.17	0.67	32.4	0.00 - 0.50
5B-00048	20078	Na-22	0.0155	0.02	0.0062	0.037	0.00 - 0.50
5B-00048	20078	Nb-94	0.0056 U	0.015	0.0046	0.0214	0.00 - 0.50
5B-00048	20078	Np-236	-0.001 U	0.03	0.0089	0.047	0.00 - 0.50
5B-00048	20078	Np-239	0.001 U	0.087	0.026	0.139	0.00 - 0.50
5B-00048	20078	Pa-231	0.18 U	0.43	0.12	0.936	0.00 - 0.50
5B-00048	20078	Pb-212	1.53	0.023	0.062	2.69	0.00 - 0.50
5B-00048	20078	Pb-214	0.849	0.025	0.029	1.7	0.00 - 0.50
5B-00048	20078	Pu-236	0.0029	0.0055	0.0018	7.79	0.00 - 0.50
5B-00048	20078	Pu-238	0.0014 U	0.0055	0.0015	0.0415	0.00 - 0.50
5B-00048	20078	Pu-239/240	0 U	0.002	0.0007	0.0404	0.00 - 0.50
5B-00048	20078	Pu-244	0.0015	0.002	0.0011	0.0313	0.00 - 0.50
5B-00048	20078	Sb-125	0.118 SK	0.043	0.012	0.354	0.00 - 0.50
5B-00048	20078	Sn-126	0.0004 U	0.014	0.0043	0.0237	0.00 - 0.50
5B-00048	20078	Sr-90	0.012 U	0.052	0.015	0.485	0.00 - 0.50
5B-00048	20078	Tc-99	0.008 U	0.27	0.083	1.63	0.00 - 0.50
5B-00048	20078	Te-125m	0.0273 SK	0.01	0.0027	0.0838	0.00 - 0.50
5B-00048	20078	Th-228	1.15	0.019	0.059	3.98	0.00 - 0.50
5B-00048	20078	Th-229	0.0141	0.0069	0.0039	0.145	0.00 - 0.50
5B-00048	20078	Th-230	0.786	0.01	0.043	2.2	0.00 - 0.50
5B-00048	20078	Th-232	1.09	0.007	0.055	3.1	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00048	20078	Th-234	1.23	0.15	0.078	3.19	0.00 - 0.50
5B-00048	20078	Tl-208	0.466	0.017	0.018	0.937	0.00 - 0.50
5B-00048	20078	Tm-171	4.9	5.3	2.1	72.4	0.00 - 0.50
5B-00048	20078	U-233/234	0.526	0.006	0.031	2.02	0.00 - 0.50
5B-00048	20078	U-235/236	0.0307	0.0078	0.006	0.151	0.00 - 0.50
5B-00048	20078	U-238	0.533	0.006	0.031	1.8	0.00 - 0.50
5B-00049	20079	Ac-227	0.03 U	0.12	0.045	0.217	1.00 - 5.00
5B-00049	20079	Ac-228	0.783	0.077	0.031	2.4	1.00 - 5.00
5B-00049	20079	Am-241	0.0067	0.0045	0.0023	0.0454	1.00 - 5.00
5B-00049	20079	Bi-212	0.687	0.11	0.061	2.15	1.00 - 5.00
5B-00049	20079	Bi-214	0.547	0.02	0.021	1.59	1.00 - 5.00
5B-00049	20079	C-14	-0.005 U	0.032	0.0094	2.96	1.00 - 5.00
5B-00049	20079	Cd-113m	-2.9 U	27	8	3030	1.00 - 5.00
5B-00049	20079	Cm-243/244	0.0084	0.0065	0.0028	0.0443	1.00 - 5.00
5B-00049	20079	Cm-245/246	0 U	0.0047	0.001	0.0401	1.00 - 5.00
5B-00049	20079	Cm-247/248	0.0006 U	0.0017	0.0006	0.0306	1.00 - 5.00
5B-00049	20079	Co-60	0.0004 U	0.017	0.0051	0.028	1.00 - 5.00
5B-00049	20079	Cs-134	-1E-04 U	0.015	0.0004	0.0864	1.00 - 5.00
5B-00049	20079	Cs-137	0.0137	0.014	0.0048	0.207	1.00 - 5.00
5B-00049	20079	Eu-152	0.022	0.028	0.012	0.0566	1.00 - 5.00
5B-00049	20079	Eu-154	-0.044 U	0.097	0.029	0.15	1.00 - 5.00
5B-00049	20079	Eu-155	0.053 SK	0.028	0.011	0.231	1.00 - 5.00
5B-00049	20079	H-3	0.128	0.2	0.06	11.9	1.00 - 5.00
5B-00049	20079	Ho-166m	0.0058 U J	0.022	0.0078	0.0432	1.00 - 5.00
5B-00049	20079	K-40	22.3	0.13	0.67	32.4	1.00 - 5.00
5B-00049	20079	Na-22	-0.01 U	0.025	0.0077	0.037	1.00 - 5.00
5B-00049	20079	Nb-94	0.0013 U	0.013	0.0023	0.0214	1.00 - 5.00
5B-00049	20079	Ni-59	0 U	0.35	0.1	5.96	1.00 - 5.00
5B-00049	20079	Ni-63	-0.04 U	0.52	0.16	4.92	1.00 - 5.00
5B-00049	20079	Np-236	-0.005 U	0.024	0.0072	0.047	1.00 - 5.00
5B-00049	20079	Np-239	0 U	0.076	0.015	0.139	1.00 - 5.00
5B-00049	20079	Pa-231	0.16 U	0.34	0.1	0.936	1.00 - 5.00
5B-00049	20079	Pb-212	0.994	0.02	0.041	2.69	1.00 - 5.00
5B-00049	20079	Pb-214	0.585	0.021	0.022	1.7	1.00 - 5.00
5B-00049	20079	Pu-236	-4E-04 U	0.0041	0.0005	7.79	1.00 - 5.00
5B-00049	20079	Pu-238	-1E-04 U	0.005	0.001	0.0415	1.00 - 5.00
5B-00049	20079	Pu-239/240	0.001 U	0.0041	0.0011	0.0404	1.00 - 5.00
5B-00049	20079	Pu-244	0.0055	0.0019	0.002	0.0313	1.00 - 5.00
5B-00049	20079	Sb-125	0.0119 U J	0.037	0.0097	0.354	1.00 - 5.00
5B-00049	20079	Sn-126	0.0027 U	0.014	0.0042	0.0237	1.00 - 5.00
5B-00049	20079	Sr-90	0.018 U	0.035	0.011	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00049	20079	Tc-99	-0.047 U	0.3	0.09	1.63	1.00 - 5.00
5B-00049	20079	Te-125m	0.0027 U J	0.0086	0.0022	0.0838	1.00 - 5.00
5B-00049	20079	Th-228	0.798	0.015	0.042	3.98	1.00 - 5.00
5B-00049	20079	Th-229	0.0065	0.0061	0.0026	0.145	1.00 - 5.00
5B-00049	20079	Th-230	0.576	0.006	0.032	2.2	1.00 - 5.00
5B-00049	20079	Th-232	0.818	0.006	0.043	3.1	1.00 - 5.00
5B-00049	20079	Th-234	0.324 R	0.13	0.042	3.19	1.00 - 5.00
5B-00049	20079	Tl-208	0.313	0.017	0.014	0.937	1.00 - 5.00
5B-00049	20079	Tm-171	-0.7 U	4.5	1.3	72.4	1.00 - 5.00
5B-00049	20079	U-233/234	0.493	0.007	0.028	2.02	1.00 - 5.00
5B-00049	20079	U-235/236	0.0254	0.0069	0.0052	0.151	1.00 - 5.00
5B-00049	20079	U-238	0.478	0.006	0.028	1.8	1.00 - 5.00
5B-00049	20080	Ac-227	-6E-04 U	0.12	0.0017	0.217	0.00 - 0.50
5B-00049	20080	Ac-228	0.53	0.065	0.024	2.4	0.00 - 0.50
5B-00049	20080	Am-241	0.0046	0.0061	0.0022	0.0454	0.00 - 0.50
5B-00049	20080	Bi-212	0.429	0.094	0.048	2.15	0.00 - 0.50
5B-00049	20080	Bi-214	0.421	0.021	0.018	1.59	0.00 - 0.50
5B-00049	20080	C-14	0.0238	0.028	0.0088	2.96	0.00 - 0.50
5B-00049	20080	Cd-113m	11.7 U	27	8.2	3030	0.00 - 0.50
5B-00049	20080	Cm-243/244	0.0019 U	0.011	0.0032	0.0443	0.00 - 0.50
5B-00049	20080	Cm-245/246	0.0005 U	0.0013	0.0005	0.0401	0.00 - 0.50
5B-00049	20080	Cm-247/248	-9E-04 U	0.0044	0.0008	0.0306	0.00 - 0.50
5B-00049	20080	Co-60	0.0011 U	0.014	0.0041	0.028	0.00 - 0.50
5B-00049	20080	Cs-134	0.0083 U	0.039	0.0046	0.0864	0.00 - 0.50
5B-00049	20080	Cs-137	-0.005 U	0.013	0.004	0.207	0.00 - 0.50
5B-00049	20080	Eu-152	-0.002 U	0.031	0.0014	0.0566	0.00 - 0.50
5B-00049	20080	Eu-154	-0.037 U	0.093	0.028	0.15	0.00 - 0.50
5B-00049	20080	Eu-155	0.028 SK	0.044	0.013	0.231	0.00 - 0.50
5B-00049	20080	H-3	0.014 U	0.18	0.053	11.9	0.00 - 0.50
5B-00049	20080	Ho-166m	0.0054 U	0.02	0.0065	0.0432	0.00 - 0.50
5B-00049	20080	K-40	26.5	0.09	0.78	32.4	0.00 - 0.50
5B-00049	20080	Na-22	0.001 U	0.022	0.0066	0.037	0.00 - 0.50
5B-00049	20080	Nb-94	0.003 U	0.011	0.0034	0.0214	0.00 - 0.50
5B-00049	20080	Ni-59	0 U	0.5	0.14	5.96	0.00 - 0.50
5B-00049	20080	Ni-63	0.27 U	0.57	0.17	4.92	0.00 - 0.50
5B-00049	20080	Np-236	-0.011 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00049	20080	Np-239	0.018 U	0.058	0.018	0.139	0.00 - 0.50
5B-00049	20080	Pa-231	0.04 U	0.49	0.15	0.936	0.00 - 0.50
5B-00049	20080	Pb-212	0.543	0.025	0.021	2.69	0.00 - 0.50
5B-00049	20080	Pb-214	0.459	0.022	0.023	1.7	0.00 - 0.50
5B-00049	20080	Pu-236	0 U	0.0022	0.0007	7.79	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00049	20080	Pu-238	0.0025	0.0022	0.0014	0.0415	0.00 - 0.50
5B-00049	20080	Pu-239/240	0.0025	0.0022	0.0014	0.0404	0.00 - 0.50
5B-00049	20080	Pu-244	0.0025	0.0022	0.0014	0.0313	0.00 - 0.50
5B-00049	20080	Sb-125	0.0639 JSK	0.035	0.0081	0.354	0.00 - 0.50
5B-00049	20080	Sn-126	0.0001 U	0.013	0.004	0.0237	0.00 - 0.50
5B-00049	20080	Sr-90	0.0052 U	0.033	0.0097	0.485	0.00 - 0.50
5B-00049	20080	Tc-99	-0.092 U	0.27	0.081	1.63	0.00 - 0.50
5B-00049	20080	Te-125m	0.0148 JSK	0.008	0.0019	0.0838	0.00 - 0.50
5B-00049	20080	Th-228	0.489	0.011	0.028	3.98	0.00 - 0.50
5B-00049	20080	Th-229	0.0008 U	0.01	0.0028	0.145	0.00 - 0.50
5B-00049	20080	Th-230	0.416	0.009	0.025	2.2	0.00 - 0.50
5B-00049	20080	Th-232	0.503	0.008	0.029	3.1	0.00 - 0.50
5B-00049	20080	Th-234	0.614 R	0.16	0.054	3.19	0.00 - 0.50
5B-00049	20080	Tl-208	0.198	0.014	0.01	0.937	0.00 - 0.50
5B-00049	20080	Tm-171	-7.2 U J	7.1	2.2	72.4	0.00 - 0.50
5B-00049	20080	U-233/234	0.408	0.006	0.023	2.02	0.00 - 0.50
5B-00049	20080	U-235/236	0.0189	0.0018	0.0036	0.151	0.00 - 0.50
5B-00049	20080	U-238	0.409	0.006	0.023	1.8	0.00 - 0.50
5B-00137	20081	Ac-227	0.022 U	0.14	0.05	0.217	0.00 - 0.50
5B-00137	20081	Ac-228	1.09	0.1	0.042	2.4	0.00 - 0.50
5B-00137	20081	Am-241	0 U	0.0032	0.0013	0.0454	0.00 - 0.50
5B-00137	20081	Bi-212	0.85	0.13	0.071	2.15	0.00 - 0.50
5B-00137	20081	Bi-214	0.74	0.026	0.028	1.59	0.00 - 0.50
5B-00137	20081	Cd-113m	-0.3 U	39	12	3030	0.00 - 0.50
5B-00137	20081	Cm-243/244	-0.001 U	0.0084	0.0013	0.0443	0.00 - 0.50
5B-00137	20081	Cm-245/246	0 U J	0.0089	0.0018	0.0401	0.00 - 0.50
5B-00137	20081	Cm-247/248	-0.001 U	0.011	0.0022	0.0306	0.00 - 0.50
5B-00137	20081	Co-60	0.0001 U	0.016	0.0048	0.028	0.00 - 0.50
5B-00137	20081	Cs-134	-0.002 U J	0.017	0.0025	0.0864	0.00 - 0.50
5B-00137	20081	Cs-137	0.0123	0.018	0.0065	0.207	0.00 - 0.50
5B-00137	20081	Eu-152	0.018	0.035	0.018	0.0566	0.00 - 0.50
5B-00137	20081	Eu-154	0.0003 U	0.12	0.0003	0.15	0.00 - 0.50
5B-00137	20081	Eu-155	0.013 U R	0.033	0.01	0.231	0.00 - 0.50
5B-00137	20081	Ho-166m	0.0128 U	0.026	0.007	0.0432	0.00 - 0.50
5B-00137	20081	K-40	21.3	0.14	0.65	32.4	0.00 - 0.50
5B-00137	20081	Na-22	-0.001 U	0.027	0.0079	0.037	0.00 - 0.50
5B-00137	20081	Nb-94	0.0033 U	0.015	0.0044	0.0214	0.00 - 0.50
5B-00137	20081	Np-236	-0.003 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00137	20081	Np-239	-0.014 U	0.084	0.025	0.139	0.00 - 0.50
5B-00137	20081	Pa-231	0.1 U	0.59	0.18	0.936	0.00 - 0.50
5B-00137	20081	Pb-212	1.43	0.024	0.059	2.69	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00137	20081	Pb-214	0.824	0.028	0.03	1.7	0.00 - 0.50
5B-00137	20081	Pu-236	0.0005 U	0.0046	0.0011	7.79	0.00 - 0.50
5B-00137	20081	Pu-238	0.0005 U	0.0045	0.0011	0.0415	0.00 - 0.50
5B-00137	20081	Pu-239/240	0.001 U	0.0013	0.0007	0.0404	0.00 - 0.50
5B-00137	20081	Pu-244	0.0015	0.0013	0.0009	0.0313	0.00 - 0.50
5B-00137	20081	Sb-125	0.141 SK	0.037	0.011	0.354	0.00 - 0.50
5B-00137	20081	Sn-126	0.0035 U	0.017	0.0052	0.0237	0.00 - 0.50
5B-00137	20081	Sr-90	-0.006 U	0.038	0.011	0.485	0.00 - 0.50
5B-00137	20081	Te-125m	0.0325 SK	0.0085	0.0026	0.0838	0.00 - 0.50
5B-00137	20081	Th-228	1.21	0.011	0.062	3.98	0.00 - 0.50
5B-00137	20081	Th-229	0.0059	0.0089	0.0032	0.145	0.00 - 0.50
5B-00137	20081	Th-230	0.752	0.003	0.042	2.2	0.00 - 0.50
5B-00137	20081	Th-232	1.18	0.003	0.06	3.1	0.00 - 0.50
5B-00137	20081	Th-234	0.303	0.16	0.049	3.19	0.00 - 0.50
5B-00137	20081	Tl-208	0.455	0.017	0.018	0.937	0.00 - 0.50
5B-00137	20081	Tm-171	1.4 U	5.4	1.6	72.4	0.00 - 0.50
5B-00137	20081	U-233/234	0.623	0.004	0.041	2.02	0.00 - 0.50
5B-00137	20081	U-235/236	0.0305	0.0055	0.008	0.151	0.00 - 0.50
5B-00137	20081	U-238	0.564	0.015	0.039	1.8	0.00 - 0.50
5B-00229	20083	Ac-227	-0.02 U	0.096	0.029	0.217	1.00 - 5.00
5B-00229	20083	Ac-228	1.17	0.064	0.04	2.4	1.00 - 5.00
5B-00229	20083	Am-241	0.001 U	0.011	0.0027	0.0454	1.00 - 5.00
5B-00229	20083	Bi-212	0.907	0.11	0.068	2.15	1.00 - 5.00
5B-00229	20083	Bi-214	0.719	0.022	0.028	1.59	1.00 - 5.00
5B-00229	20083	C-14	0.01 U	0.04	0.012	2.96	1.00 - 5.00
5B-00229	20083	Cd-113m	2.2 U	33	9.8	3030	1.00 - 5.00
5B-00229	20083	Cm-243/244	0.0087	0.009	0.0036	0.0443	1.00 - 5.00
5B-00229	20083	Cm-245/246	-0.001 U J	0.0084	0.0013	0.0401	1.00 - 5.00
5B-00229	20083	Cm-247/248	0.0011 U	0.003	0.0011	0.0306	1.00 - 5.00
5B-00229	20083	Co-60	-0.002 U	0.013	0.004	0.028	1.00 - 5.00
5B-00229	20083	Cs-134	0.0051 U	0.04	0.0014	0.0864	1.00 - 5.00
5B-00229	20083	Cs-137	-0.005 U	0.013	0.0038	0.207	1.00 - 5.00
5B-00229	20083	Eu-152	0.0059 U	0.03	0.007	0.0566	1.00 - 5.00
5B-00229	20083	Eu-154	0.031	0.06	0.018	0.15	1.00 - 5.00
5B-00229	20083	Eu-155	0.084 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00229	20083	H-3	0.109	0.21	0.063	11.9	1.00 - 5.00
5B-00229	20083	Ho-166m	0.0021 U	0.018	0.0016	0.0432	1.00 - 5.00
5B-00229	20083	K-40	22.1	0.14	0.73	32.4	1.00 - 5.00
5B-00229	20083	Na-22	-3E-04 U	0.014	0.0042	0.037	1.00 - 5.00
5B-00229	20083	Nb-94	0.0027 U	0.011	0.0025	0.0214	1.00 - 5.00
5B-00229	20083	Ni-59	0 U	0.12	0.045	5.96	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00229	20083	Ni-63	0.03 U	0.39	0.12	4.92	1.00 - 5.00
5B-00229	20083	Np-236	0.0001 U	0.026	0.0077	0.047	1.00 - 5.00
5B-00229	20083	Np-239	0.005 U	0.074	0.022	0.139	1.00 - 5.00
5B-00229	20083	Pa-231	0.03 U	0.48	0.15	0.936	1.00 - 5.00
5B-00229	20083	Pb-212	1.48	0.019	0.078	2.69	1.00 - 5.00
5B-00229	20083	Pb-214	0.818	0.02	0.031	1.7	1.00 - 5.00
5B-00229	20083	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 5.00
5B-00229	20083	Pu-238	0.0015	0.002	0.001	0.0415	1.00 - 5.00
5B-00229	20083	Pu-239/240	0.0015	0.002	0.001	0.0404	1.00 - 5.00
5B-00229	20083	Pu-244	0.0044	0.002	0.0018	0.0313	1.00 - 5.00
5B-00229	20083	Sb-125	0.135 SK	0.032	0.0095	0.354	1.00 - 5.00
5B-00229	20083	Sn-126	0.0018 U	0.0094	0.0028	0.0237	1.00 - 5.00
5B-00229	20083	Sr-90	0.033	0.04	0.013	0.485	1.00 - 5.00
5B-00229	20083	Tc-99	-0.015 U	0.27	0.083	1.63	1.00 - 5.00
5B-00229	20083	Te-125m	0.0311 SK	0.0074	0.0022	0.0838	1.00 - 5.00
5B-00229	20083	Th-228	1.18	0.019	0.061	3.98	1.00 - 5.00
5B-00229	20083	Th-229	0.0038 U	0.014	0.0039	0.145	1.00 - 5.00
5B-00229	20083	Th-230	0.819	0.003	0.045	2.2	1.00 - 5.00
5B-00229	20083	Th-232	1.12	0.008	0.058	3.1	1.00 - 5.00
5B-00229	20083	Th-234	1.31 JR	0.13	0.077	3.19	1.00 - 5.00
5B-00229	20083	Tl-208	0.449	0.014	0.018	0.937	1.00 - 5.00
5B-00229	20083	Tm-171	4	4.1	1.6	72.4	1.00 - 5.00
5B-00229	20083	U-233/234	0.759	0.002	0.041	2.02	1.00 - 5.00
5B-00229	20083	U-235/236	0.0382	0.0028	0.0065	0.151	1.00 - 5.00
5B-00229	20083	U-238	0.755	0.002	0.04	1.8	1.00 - 5.00
5B-00229	20084	Ac-227	0.102	0.11	0.043	0.217	0.00 - 0.50
5B-00229	20084	Ac-228	0.868	0.084	0.032	2.4	0.00 - 0.50
5B-00229	20084	Am-241	0.0029 U	0.0087	0.0026	0.0454	0.00 - 0.50
5B-00229	20084	Bi-212	0.742	0.13	0.07	2.15	0.00 - 0.50
5B-00229	20084	Bi-214	0.869	0.026	0.031	1.59	0.00 - 0.50
5B-00229	20084	C-14	0.0216	0.027	0.0083	2.96	0.00 - 0.50
5B-00229	20084	Cd-113m	-1 U	41	12	3030	0.00 - 0.50
5B-00229	20084	Cm-243/244	0.0085	0.0077	0.0031	0.0443	0.00 - 0.50
5B-00229	20084	Cm-245/246	0.0011 U J	0.003	0.0011	0.0401	0.00 - 0.50
5B-00229	20084	Cm-247/248	0.0011 U	0.003	0.0011	0.0306	0.00 - 0.50
5B-00229	20084	Co-60	-3E-04 U	0.02	0.0004	0.028	0.00 - 0.50
5B-00229	20084	Cs-134	0.0008 U	0.055	0.0015	0.0864	0.00 - 0.50
5B-00229	20084	Cs-137	0.0028 U	0.016	0.0047	0.207	0.00 - 0.50
5B-00229	20084	Eu-152	0.0103 U	0.037	0.0071	0.0566	0.00 - 0.50
5B-00229	20084	Eu-154	0.082	0.061	0.02	0.15	0.00 - 0.50
5B-00229	20084	Eu-155	0.061 SK	0.031	0.013	0.231	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00229	20084	H-3	0.084 U	0.2	0.059	11.9	0.00 - 0.50
5B-00229	20084	Ho-166m	0.0079 U	0.024	0.0098	0.0432	0.00 - 0.50
5B-00229	20084	K-40	21.6	0.14	0.65	32.4	0.00 - 0.50
5B-00229	20084	Na-22	-0.007 U	0.026	0.0077	0.037	0.00 - 0.50
5B-00229	20084	Nb-94	0.0071 SK	0.014	0.0032	0.0214	0.00 - 0.50
5B-00229	20084	Np-236	0.0061 U	0.029	0.0089	0.047	0.00 - 0.50
5B-00229	20084	Np-239	-2E-04 U	0.084	0.025	0.139	0.00 - 0.50
5B-00229	20084	Pa-231	0.17 U	0.56	0.17	0.936	0.00 - 0.50
5B-00229	20084	Pb-212	1.14	0.026	0.047	2.69	0.00 - 0.50
5B-00229	20084	Pb-214	0.963	0.024	0.032	1.7	0.00 - 0.50
5B-00229	20084	Pu-236	0.001 U	0.0066	0.0017	7.79	0.00 - 0.50
5B-00229	20084	Pu-238	-0.001 U	0.0085	0.0017	0.0415	0.00 - 0.50
5B-00229	20084	Pu-239/240	0.0008 U	0.0022	0.0008	0.0404	0.00 - 0.50
5B-00229	20084	Pu-244	0.0027	0.0047	0.0017	0.0313	0.00 - 0.50
5B-00229	20084	Sb-125	0.0855 SK	0.041	0.0099	0.354	0.00 - 0.50
5B-00229	20084	Sn-126	-0.004 U	0.016	0.0047	0.0237	0.00 - 0.50
5B-00229	20084	Sr-90	-0.007 U	0.057	0.016	0.485	0.00 - 0.50
5B-00229	20084	Tc-99	-0.044 U	0.27	0.08	1.63	0.00 - 0.50
5B-00229	20084	Te-125m	0.0198 SK	0.0094	0.0023	0.0838	0.00 - 0.50
5B-00229	20084	Th-228	0.946	0.009	0.048	3.98	0.00 - 0.50
5B-00229	20084	Th-229	0.008	0.0086	0.0033	0.145	0.00 - 0.50
5B-00229	20084	Th-230	0.957	0.002	0.049	2.2	0.00 - 0.50
5B-00229	20084	Th-232	0.899	0.007	0.046	3.1	0.00 - 0.50
5B-00229	20084	Th-234	1.24	0.14	0.076	3.19	0.00 - 0.50
5B-00229	20084	Tl-208	0.354	0.017	0.015	0.937	0.00 - 0.50
5B-00229	20084	Tm-171	1.1 U	4.8	1.5	72.4	0.00 - 0.50
5B-00229	20084	U-233/234	0.497	0.002	0.028	2.02	0.00 - 0.50
5B-00229	20084	U-235/236	0.0319	0.0022	0.0053	0.151	0.00 - 0.50
5B-00229	20084	U-238	0.52	0.002	0.029	1.8	0.00 - 0.50
5B-00230	20085	Ac-227	0.033 U	0.14	0.031	0.217	1.00 - 3.00
5B-00230	20085	Ac-228	1.31	0.09	0.045	2.4	1.00 - 3.00
5B-00230	20085	Am-241	0 U	0.012	0.0028	0.0454	1.00 - 3.00
5B-00230	20085	Bi-212	1.14	0.13	0.074	2.15	1.00 - 3.00
5B-00230	20085	Bi-214	0.939	0.027	0.033	1.59	1.00 - 3.00
5B-00230	20085	C-14	0.019 U	0.057	0.017	2.96	1.00 - 3.00
5B-00230	20085	Cd-113m	12 U	41	12	3030	1.00 - 3.00
5B-00230	20085	Cm-243/244	0.0089	0.012	0.0044	0.0443	1.00 - 3.00
5B-00230	20085	Cm-245/246	0.0011 U J	0.003	0.0011	0.0401	1.00 - 3.00
5B-00230	20085	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	1.00 - 3.00
5B-00230	20085	Co-60	0.0016 U	0.021	0.0063	0.028	1.00 - 3.00
5B-00230	20085	Cs-134	-0.015 L U	0.018	0.0055	0.0864	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00230	20085	Cs-137	0.0082	0.015	0.0051	0.207	1.00 - 3.00
5B-00230	20085	Eu-152	0.0023 U	0.041	0.0019	0.0566	1.00 - 3.00
5B-00230	20085	Eu-154	-0.038 U	0.11	0.033	0.15	1.00 - 3.00
5B-00230	20085	Eu-155	0.084 SK	0.033	0.013	0.231	1.00 - 3.00
5B-00230	20085	H-3	0.074 U	0.21	0.063	11.9	1.00 - 3.00
5B-00230	20085	Ho-166m	0.0348 SK	0.023	0.0043	0.0432	1.00 - 3.00
5B-00230	20085	K-40	22.2	0.16	0.67	32.4	1.00 - 3.00
5B-00230	20085	Na-22	0.0003 U	0.027	0.0079	0.037	1.00 - 3.00
5B-00230	20085	Nb-94	0.0021 U	0.015	0.0031	0.0214	1.00 - 3.00
5B-00230	20085	Ni-59	-0.112 U	0.29	0.08	5.96	1.00 - 3.00
5B-00230	20085	Ni-63	0.3	0.47	0.14	4.92	1.00 - 3.00
5B-00230	20085	Np-236	-4E-04 U	0.031	0.0092	0.047	1.00 - 3.00
5B-00230	20085	Np-239	-0.009 U	0.09	0.027	0.139	1.00 - 3.00
5B-00230	20085	Pa-231	0.003 U	0.61	0.18	0.936	1.00 - 3.00
5B-00230	20085	Pb-212	1.61	0.027	0.066	2.69	1.00 - 3.00
5B-00230	20085	Pb-214	1.05	0.03	0.035	1.7	1.00 - 3.00
5B-00230	20085	Pu-236	0.0008 U	0.0021	0.0008	7.79	1.00 - 3.00
5B-00230	20085	Pu-238	0.0022	0.0057	0.0017	0.0415	1.00 - 3.00
5B-00230	20085	Pu-239/240	0.0016	0.0021	0.0011	0.0404	1.00 - 3.00
5B-00230	20085	Pu-244	0.0011 U	0.0046	0.0012	0.0313	1.00 - 3.00
5B-00230	20085	Sb-125	0.155 SK	0.045	0.013	0.354	1.00 - 3.00
5B-00230	20085	Sn-126	0.0007 U	0.018	0.0053	0.0237	1.00 - 3.00
5B-00230	20085	Sr-90	-0.012 U	0.039	0.011	0.485	1.00 - 3.00
5B-00230	20085	Tc-99	-0.01 U	0.3	0.09	1.63	1.00 - 3.00
5B-00230	20085	Te-125m	0.0358 SK	0.01	0.0031	0.0838	1.00 - 3.00
5B-00230	20085	Th-228	1.28	0.015	0.066	3.98	1.00 - 3.00
5B-00230	20085	Th-229	0.0013 U	0.014	0.0037	0.145	1.00 - 3.00
5B-00230	20085	Th-230	0.845	0.003	0.047	2.2	1.00 - 3.00
5B-00230	20085	Th-232	1.21	0.011	0.063	3.1	1.00 - 3.00
5B-00230	20085	Th-234	0.374 JR	0.17	0.053	3.19	1.00 - 3.00
5B-00230	20085	Tl-208	0.516	0.018	0.019	0.937	1.00 - 3.00
5B-00230	20085	Tm-171	1.4 U	4.7	1.4	72.4	1.00 - 3.00
5B-00230	20085	U-233/234	0.708	0.003	0.042	2.02	1.00 - 3.00
5B-00230	20085	U-235/236	0.0493	0.011	0.0091	0.151	1.00 - 3.00
5B-00230	20085	U-238	0.753	0.009	0.044	1.8	1.00 - 3.00
5B-00230	20086	Ac-227	0.037 U	0.14	0.053	0.217	0.00 - 0.50
5B-00230	20086	Ac-228	1.05	0.088	0.041	2.4	0.00 - 0.50
5B-00230	20086	Am-241	0.0018 U	0.0065	0.0019	0.0454	0.00 - 0.50
5B-00230	20086	Bi-212	0.818	0.12	0.065	2.15	0.00 - 0.50
5B-00230	20086	Bi-214	0.838	0.025	0.03	1.59	0.00 - 0.50
5B-00230	20086	C-14	0.029 U	0.067	0.02	2.96	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00230	20086	Cd-113m	7 U	39	12	3030	0.00 - 0.50
5B-00230	20086	Cm-243/244	-0.004 U	0.01	0.0023	0.0443	0.00 - 0.50
5B-00230	20086	Cm-245/246	0.0013 U	0.0068	0.0019	0.0401	0.00 - 0.50
5B-00230	20086	Cm-247/248	0.0006 U	0.0017	0.0006	0.0306	0.00 - 0.50
5B-00230	20086	Co-60	-0.004 U	0.017	0.0052	0.028	0.00 - 0.50
5B-00230	20086	Cs-134	-0.002 U	0.052	0.0031	0.0864	0.00 - 0.50
5B-00230	20086	Cs-137	0.0111	0.013	0.0054	0.207	0.00 - 0.50
5B-00230	20086	Eu-152	0.01 U	0.031	0.01	0.0566	0.00 - 0.50
5B-00230	20086	Eu-154	0 U J	0.11	0.013	0.15	0.00 - 0.50
5B-00230	20086	Eu-155	0.065 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00230	20086	H-3	-0.016 U	0.18	0.054	11.9	0.00 - 0.50
5B-00230	20086	Ho-166m	0.0207 JSK	0.025	0.0062	0.0432	0.00 - 0.50
5B-00230	20086	K-40	20.5	0.13	0.62	32.4	0.00 - 0.50
5B-00230	20086	Na-22	-0.008 U	0.025	0.0075	0.037	0.00 - 0.50
5B-00230	20086	Nb-94	0.0043 U	0.014	0.0043	0.0214	0.00 - 0.50
5B-00230	20086	Ni-59	0 U	0.25	0.068	5.96	0.00 - 0.50
5B-00230	20086	Ni-63	-0.1 U	0.56	0.17	4.92	0.00 - 0.50
5B-00230	20086	Np-236	-0.003 U	0.03	0.0091	0.047	0.00 - 0.50
5B-00230	20086	Np-239	0.018 U	0.085	0.026	0.139	0.00 - 0.50
5B-00230	20086	Pa-231	0.17 U	0.57	0.17	0.936	0.00 - 0.50
5B-00230	20086	Pb-212	1.37	0.023	0.056	2.69	0.00 - 0.50
5B-00230	20086	Pb-214	0.904	0.024	0.031	1.7	0.00 - 0.50
5B-00230	20086	Pu-236	-0.002 U	0.0058	0.0011	7.79	0.00 - 0.50
5B-00230	20086	Pu-238	-5E-04 U	0.0045	0.0009	0.0415	0.00 - 0.50
5B-00230	20086	Pu-239/240	0 U	0.0013	0.0005	0.0404	0.00 - 0.50
5B-00230	20086	Pu-244	0.0024	0.0035	0.0013	0.0313	0.00 - 0.50
5B-00230	20086	Sb-125	0.139 SK	0.04	0.012	0.354	0.00 - 0.50
5B-00230	20086	Sn-126	0 U	0.016	0.0046	0.0237	0.00 - 0.50
5B-00230	20086	Sr-90	0.008 U	0.055	0.016	0.485	0.00 - 0.50
5B-00230	20086	Tc-99	-0.078 U	0.27	0.081	1.63	0.00 - 0.50
5B-00230	20086	Te-125m	0.0321 SK	0.0093	0.0027	0.0838	0.00 - 0.50
5B-00230	20086	Th-228	1.12	0.017	0.061	3.98	0.00 - 0.50
5B-00230	20086	Th-229	0.0108	0.0057	0.0031	0.145	0.00 - 0.50
5B-00230	20086	Th-230	0.785	0.014	0.046	2.2	0.00 - 0.50
5B-00230	20086	Th-232	1.14	0.003	0.061	3.1	0.00 - 0.50
5B-00230	20086	Th-234	1.37	0.14	0.079	3.19	0.00 - 0.50
5B-00230	20086	Tl-208	0.409	0.017	0.016	0.937	0.00 - 0.50
5B-00230	20086	Tm-171	-1 U J	6.1	1.9	72.4	0.00 - 0.50
5B-00230	20086	U-233/234	0.819	0.011	0.047	2.02	0.00 - 0.50
5B-00230	20086	U-235/236	0.0337	0.0041	0.0073	0.151	0.00 - 0.50
5B-00230	20086	U-238	0.769	0.003	0.045	1.8	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00231	20088	Ac-227	0.299	0.12	0.016	0.217	0.00 - 0.50
5B-00231	20088	Ac-228	1.17	0.065	0.041	2.4	0.00 - 0.50
5B-00231	20088	Am-241	0.0036	0.0016	0.0015	0.0454	0.00 - 0.50
5B-00231	20088	Bi-212	0.868	0.094	0.057	2.15	0.00 - 0.50
5B-00231	20088	Bi-214	0.686	0.022	0.027	1.59	0.00 - 0.50
5B-00231	20088	C-14	0.013 U	0.033	0.01	2.96	0.00 - 0.50
5B-00231	20088	Cd-113m	-0.2 U	34	10	3030	0.00 - 0.50
5B-00231	20088	Cm-243/244	0.0006 U	0.01	0.0029	0.0443	0.00 - 0.50
5B-00231	20088	Cm-245/246	0.0017 U	0.0024	0.0012	0.0401	0.00 - 0.50
5B-00231	20088	Cm-247/248	0 U	0.0023	0.001	0.0306	0.00 - 0.50
5B-00231	20088	Co-60	-0.003 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00231	20088	Cs-134	0.006 U	0.041	0.0019	0.0864	0.00 - 0.50
5B-00231	20088	Cs-137	0.0102	0.0099	0.0045	0.207	0.00 - 0.50
5B-00231	20088	Eu-152	0.011 U	0.024	0.011	0.0566	0.00 - 0.50
5B-00231	20088	Eu-154	0.003 U J	0.083	0.011	0.15	0.00 - 0.50
5B-00231	20088	Eu-155	0.058 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00231	20088	H-3	-0.058 U	0.18	0.052	11.9	0.00 - 0.50
5B-00231	20088	Ho-166m	0.0041 U J	0.02	0.0067	0.0432	0.00 - 0.50
5B-00231	20088	K-40	21.8	0.14	0.72	32.4	0.00 - 0.50
5B-00231	20088	Na-22	0.0005 U	0.014	0.0043	0.037	0.00 - 0.50
5B-00231	20088	Nb-94	0.003 U	0.011	0.0034	0.0214	0.00 - 0.50
5B-00231	20088	Ni-59	0 U	0.28	0.077	5.96	0.00 - 0.50
5B-00231	20088	Ni-63	-0.21 U	0.66	0.19	4.92	0.00 - 0.50
5B-00231	20088	Np-236	-0.004 U	0.026	0.0078	0.047	0.00 - 0.50
5B-00231	20088	Np-239	0.009 U	0.074	0.022	0.139	0.00 - 0.50
5B-00231	20088	Pa-231	-0.12 U	0.5	0.15	0.936	0.00 - 0.50
5B-00231	20088	Pb-212	1.45	0.02	0.077	2.69	0.00 - 0.50
5B-00231	20088	Pb-214	0.769	0.024	0.031	1.7	0.00 - 0.50
5B-00231	20088	Pu-236	-5E-04 U	0.0034	0.0005	7.79	0.00 - 0.50
5B-00231	20088	Pu-238	-9E-04 U	0.0042	0.0007	0.0415	0.00 - 0.50
5B-00231	20088	Pu-239/240	0.0005 U	0.0034	0.0008	0.0404	0.00 - 0.50
5B-00231	20088	Pu-244	0.0005 U	0.0012	0.0005	0.0313	0.00 - 0.50
5B-00231	20088	Sb-125	0.136 SK	0.034	0.01	0.354	0.00 - 0.50
5B-00231	20088	Sn-126	-0.001 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00231	20088	Sr-90	0.024 U	0.049	0.015	0.485	0.00 - 0.50
5B-00231	20088	Tc-99	-0.075 U	0.31	0.093	1.63	0.00 - 0.50
5B-00231	20088	Te-125m	0.0314 SK	0.0078	0.0023	0.0838	0.00 - 0.50
5B-00231	20088	Th-228	1.19	0.009	0.058	3.98	0.00 - 0.50
5B-00231	20088	Th-229	0.0077	0.0021	0.0024	0.145	0.00 - 0.50
5B-00231	20088	Th-230	0.707	0.005	0.037	2.2	0.00 - 0.50
5B-00231	20088	Th-232	1.08	0.002	0.053	3.1	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00231	20088	Th-234	1.26	0.13	0.077	3.19	0.00 - 0.50
5B-00231	20088	Tl-208	0.437	0.015	0.018	0.937	0.00 - 0.50
5B-00231	20088	Tm-171	-3.1 L U J	4.6	1.4	72.4	0.00 - 0.50
5B-00231	20088	U-233/234	0.205	0.002	0.012	2.02	0.00 - 0.50
5B-00231	20088	U-235/236	0.0096	0.0011	0.002	0.151	0.00 - 0.50
5B-00231	20088	U-238	0.213	0.002	0.012	1.8	0.00 - 0.50
5B-00280	20089	Ac-227	0.055	0.11	0.039	0.217	1.00 - 5.00
5B-00280	20089	Ac-228	1.24	0.057	0.042	2.4	1.00 - 5.00
5B-00280	20089	Am-241	0 U	0.0028	0.0011	0.0454	1.00 - 5.00
5B-00280	20089	Bi-212	0.963	0.1	0.065	2.15	1.00 - 5.00
5B-00280	20089	Bi-214	0.742	0.021	0.029	1.59	1.00 - 5.00
5B-00280	20089	C-14	0.0107	0.021	0.0064	2.96	1.00 - 5.00
5B-00280	20089	Cd-113m	2 U	28	8.3	3030	1.00 - 5.00
5B-00280	20089	Cm-243/244	-0.001 U	0.0093	0.0019	0.0443	1.00 - 5.00
5B-00280	20089	Cm-245/246	0.001 U J	0.0026	0.001	0.0401	1.00 - 5.00
5B-00280	20089	Cm-247/248	0 U	0.0025	0.0008	0.0306	1.00 - 5.00
5B-00280	20089	Co-60	0.0041 U	0.013	0.0031	0.028	1.00 - 5.00
5B-00280	20089	Cs-134	0.0232 JSK	0.031	0.0062	0.0864	1.00 - 5.00
5B-00280	20089	Cs-137	0.0008 U J	0.01	0.0031	0.207	1.00 - 5.00
5B-00280	20089	Eu-152	-0.008 U	0.028	0.0086	0.0566	1.00 - 5.00
5B-00280	20089	Eu-154	0 U	0.064	0.017	0.15	1.00 - 5.00
5B-00280	20089	Eu-155	0.094 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00280	20089	H-3	0.102	0.042	0.02	11.9	1.00 - 5.00
5B-00280	20089	Ho-166m	0.0068 SK	0.014	0.0047	0.0432	1.00 - 5.00
5B-00280	20089	K-40	19.9	0.13	0.66	32.4	1.00 - 5.00
5B-00280	20089	Na-22	-5E-04 U	0.017	0.0051	0.037	1.00 - 5.00
5B-00280	20089	Nb-94	0.0042 U	0.01	0.0023	0.0214	1.00 - 5.00
5B-00280	20089	Ni-59	0 U	0.44	0.095	5.96	1.00 - 5.00
5B-00280	20089	Ni-63	0.17 U	0.65	0.19	4.92	1.00 - 5.00
5B-00280	20089	Np-236	0.0021 U	0.023	0.007	0.047	1.00 - 5.00
5B-00280	20089	Np-239	0.015 U	0.071	0.021	0.139	1.00 - 5.00
5B-00280	20089	Pa-231	0.45	0.38	0.16	0.936	1.00 - 5.00
5B-00280	20089	Pb-212	1.58	0.019	0.083	2.69	1.00 - 5.00
5B-00280	20089	Pb-214	0.817	0.022	0.032	1.7	1.00 - 5.00
5B-00280	20089	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 5.00
5B-00280	20089	Pu-238	0.001 U	0.0043	0.0011	0.0415	1.00 - 5.00
5B-00280	20089	Pu-239/240	0.0014 U	0.002	0.001	0.0404	1.00 - 5.00
5B-00280	20089	Pu-244	0.0029	0.002	0.0014	0.0313	1.00 - 5.00
5B-00280	20089	Sb-125	0.105 JSK	0.031	0.007	0.354	1.00 - 5.00
5B-00280	20089	Sn-126	0.0031 U	0.011	0.0034	0.0237	1.00 - 5.00
5B-00280	20089	Sr-90	0.024 U	0.044	0.013	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00280	20089	Tc-99	0.041 U	0.3	0.092	1.63	1.00 - 5.00
5B-00280	20089	Te-125m	0.0243 JSK	0.0072	0.0016	0.0838	1.00 - 5.00
5B-00280	20089	Th-228	1.42	0.021	0.073	3.98	1.00 - 5.00
5B-00280	20089	Th-229	0.0068	0.0089	0.0033	0.145	1.00 - 5.00
5B-00280	20089	Th-230	0.981	0.009	0.054	2.2	1.00 - 5.00
5B-00280	20089	Th-232	1.28	0.003	0.067	3.1	1.00 - 5.00
5B-00280	20089	Th-234	0.495 R	0.13	0.044	3.19	1.00 - 5.00
5B-00280	20089	Tl-208	0.48	0.013	0.018	0.937	1.00 - 5.00
5B-00280	20089	Tm-171	1 U	4	1.2	72.4	1.00 - 5.00
5B-00280	20089	U-233/234	0.832	0.009	0.047	2.02	1.00 - 5.00
5B-00280	20089	U-235/236	0.0364	0.014	0.008	0.151	1.00 - 5.00
5B-00280	20089	U-238	0.837	0.003	0.047	1.8	1.00 - 5.00
5B-00280	20090	Ac-227	0.0092 U	0.13	0.005	0.217	0.00 - 0.50
5B-00280	20090	Ac-228	1.15	0.08	0.041	2.4	0.00 - 0.50
5B-00280	20090	Am-241	-9E-04 U	0.0093	0.0021	0.0454	0.00 - 0.50
5B-00280	20090	Bi-212	0.997	0.15	0.092	2.15	0.00 - 0.50
5B-00280	20090	Bi-214	0.803	0.025	0.029	1.59	0.00 - 0.50
5B-00280	20090	Cd-113m	11 U	39	12	3030	0.00 - 0.50
5B-00280	20090	Cm-243/244	0.0008 U	0.0062	0.0015	0.0443	0.00 - 0.50
5B-00280	20090	Cm-245/246	0.0036 J	0.0019	0.0016	0.0401	0.00 - 0.50
5B-00280	20090	Cm-247/248	-7E-04 U	0.0052	0.0008	0.0306	0.00 - 0.50
5B-00280	20090	Co-60	-0.003 U	0.021	0.0062	0.028	0.00 - 0.50
5B-00280	20090	Cs-134	0.0014 U	0.031	0.0038	0.0864	0.00 - 0.50
5B-00280	20090	Cs-137	0.0005 U	0.017	0.0059	0.207	0.00 - 0.50
5B-00280	20090	Eu-152	-0.012 U	0.039	0.012	0.0566	0.00 - 0.50
5B-00280	20090	Eu-154	0.018 U	0.078	0.021	0.15	0.00 - 0.50
5B-00280	20090	Eu-155	0.073 SK	0.033	0.013	0.231	0.00 - 0.50
5B-00280	20090	H-3	0.039 U	0.19	0.056	11.9	0.00 - 0.50
5B-00280	20090	Ho-166m	0.0057 U	0.023	0.0069	0.0432	0.00 - 0.50
5B-00280	20090	K-40	20.4	0.16	0.62	32.4	0.00 - 0.50
5B-00280	20090	Na-22	-0.004 U	0.026	0.0077	0.037	0.00 - 0.50
5B-00280	20090	Nb-94	0.0057 U	0.014	0.0043	0.0214	0.00 - 0.50
5B-00280	20090	Ni-59	0 U	1.2	0.26	5.96	0.00 - 0.50
5B-00280	20090	Ni-63	0.05 U	0.65	0.18	4.92	0.00 - 0.50
5B-00280	20090	Np-236	-0.004 U	0.027	0.0083	0.047	0.00 - 0.50
5B-00280	20090	Np-239	-0.013 U	0.088	0.027	0.139	0.00 - 0.50
5B-00280	20090	Pa-231	-0.08 U	0.59	0.18	0.936	0.00 - 0.50
5B-00280	20090	Pb-212	1.51	0.023	0.061	2.69	0.00 - 0.50
5B-00280	20090	Pb-214	0.891	0.026	0.03	1.7	0.00 - 0.50
5B-00280	20090	Pu-236	0.0005 U	0.0036	0.0009	7.79	0.00 - 0.50
5B-00280	20090	Pu-238	0.0024	0.0013	0.0011	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00280	20090	Pu-239/240	0.001 U	0.0013	0.0007	0.0404	0.00 - 0.50
5B-00280	20090	Pu-244	0.0014	0.0013	0.0008	0.0313	0.00 - 0.50
5B-00280	20090	Sb-125	0.124 SK	0.034	0.011	0.354	0.00 - 0.50
5B-00280	20090	Sn-126	-0.002 U	0.017	0.0051	0.0237	0.00 - 0.50
5B-00280	20090	Sr-90	0.005 U	0.072	0.021	0.485	0.00 - 0.50
5B-00280	20090	Te-125m	0.0287 SK	0.0079	0.0024	0.0838	0.00 - 0.50
5B-00280	20090	Th-228	1.22	0.011	0.063	3.98	0.00 - 0.50
5B-00280	20090	Th-229	0.0134	0.003	0.0039	0.145	0.00 - 0.50
5B-00280	20090	Th-230	0.81	0.01	0.045	2.2	0.00 - 0.50
5B-00280	20090	Th-232	1.23	0.009	0.063	3.1	0.00 - 0.50
5B-00280	20090	Th-234	1.38 R	0.15	0.079	3.19	0.00 - 0.50
5B-00280	20090	Tl-208	0.461	0.018	0.018	0.937	0.00 - 0.50
5B-00280	20090	Tm-171	0.6 U J	5.9	1.8	72.4	0.00 - 0.50
5B-00280	20090	U-233/234	0.804	0.011	0.045	2.02	0.00 - 0.50
5B-00280	20090	U-235/236	0.0584	0.0039	0.0094	0.151	0.00 - 0.50
5B-00280	20090	U-238	0.778	0.011	0.044	1.8	0.00 - 0.50
5B-00281	20091	Ac-227	0.067 U	0.15	0.018	0.217	1.00 - 5.00
5B-00281	20091	Ac-228	1.33	0.085	0.049	2.4	1.00 - 5.00
5B-00281	20091	Am-241	-0.001 U	0.011	0.0024	0.0454	1.00 - 5.00
5B-00281	20091	Bi-212	1.1	0.14	0.092	2.15	1.00 - 5.00
5B-00281	20091	Bi-214	0.763	0.027	0.029	1.59	1.00 - 5.00
5B-00281	20091	C-14	0.011 U	0.037	0.011	2.96	1.00 - 5.00
5B-00281	20091	Cd-113m	0 U	44	8.4	3030	1.00 - 5.00
5B-00281	20091	Cm-243/244	0.0088	0.011	0.0039	0.0443	1.00 - 5.00
5B-00281	20091	Cm-245/246	0.0013 U J	0.0035	0.0013	0.0401	1.00 - 5.00
5B-00281	20091	Cm-247/248	0.0013 U	0.0035	0.0013	0.0306	1.00 - 5.00
5B-00281	20091	Co-60	-0.005 U	0.019	0.0057	0.028	1.00 - 5.00
5B-00281	20091	Cs-134	0.0192 U	0.059	0.0059	0.0864	1.00 - 5.00
5B-00281	20091	Cs-137	-0.001 U	0.012	0.0037	0.207	1.00 - 5.00
5B-00281	20091	Eu-152	0.019 U	0.041	0.013	0.0566	1.00 - 5.00
5B-00281	20091	Eu-154	-0.013 U	0.1	0.031	0.15	1.00 - 5.00
5B-00281	20091	Eu-155	0.112 SK	0.05	0.022	0.231	1.00 - 5.00
5B-00281	20091	H-3	0.025 U	0.2	0.061	11.9	1.00 - 5.00
5B-00281	20091	Ho-166m	0.0076 U	0.019	0.0096	0.0432	1.00 - 5.00
5B-00281	20091	K-40	19.6	0.1	0.59	32.4	1.00 - 5.00
5B-00281	20091	Na-22	-0.005 U	0.023	0.007	0.037	1.00 - 5.00
5B-00281	20091	Nb-94	0.0022 U	0.012	0.0014	0.0214	1.00 - 5.00
5B-00281	20091	Ni-59	0 U	0.17	0.056	5.96	1.00 - 5.00
5B-00281	20091	Ni-63	0.006 U	0.53	0.16	4.92	1.00 - 5.00
5B-00281	20091	Np-236	-0.002 U	0.037	0.011	0.047	1.00 - 5.00
5B-00281	20091	Np-239	-7E-04 U	0.095	0.029	0.139	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00281	20091	Pa-231	0.03 U	0.64	0.19	0.936	1.00 - 5.00
5B-00281	20091	Pb-212	1.56	0.025	0.048	2.69	1.00 - 5.00
5B-00281	20091	Pb-214	0.848	0.027	0.037	1.7	1.00 - 5.00
5B-00281	20091	Pu-236	0.0043	0.0023	0.0019	7.79	1.00 - 5.00
5B-00281	20091	Pu-238	0.0002 U	0.0072	0.0016	0.0415	1.00 - 5.00
5B-00281	20091	Pu-239/240	0.0026	0.0023	0.0015	0.0404	1.00 - 5.00
5B-00281	20091	Pu-244	-0.001 U	0.0063	0.0008	0.0313	1.00 - 5.00
5B-00281	20091	Sb-125	0.169 SK	0.045	0.013	0.354	1.00 - 5.00
5B-00281	20091	Sn-126	0.0033 U	0.016	0.0047	0.0237	1.00 - 5.00
5B-00281	20091	Sr-90	-0.008 U	0.041	0.012	0.485	1.00 - 5.00
5B-00281	20091	Tc-99	-0.041 U	0.3	0.091	1.63	1.00 - 5.00
5B-00281	20091	Te-125m	0.0389 SK	0.01	0.0031	0.0838	1.00 - 5.00
5B-00281	20091	Th-228	1.32	0.021	0.07	3.98	1.00 - 5.00
5B-00281	20091	Th-229	0.0091	0.0094	0.0037	0.145	1.00 - 5.00
5B-00281	20091	Th-230	0.884	0.004	0.05	2.2	1.00 - 5.00
5B-00281	20091	Th-232	1.24	0.011	0.066	3.1	1.00 - 5.00
5B-00281	20091	Th-234	1.43 JR	0.21	0.082	3.19	1.00 - 5.00
5B-00281	20091	Tl-208	0.515	0.019	0.02	0.937	1.00 - 5.00
5B-00281	20091	Tm-171	-13.4 R U	9.8	3.1	72.4	1.00 - 5.00
5B-00281	20091	U-233/234	0.787	0.007	0.043	2.02	1.00 - 5.00
5B-00281	20091	U-235/236	0.0396	0.0031	0.0069	0.151	1.00 - 5.00
5B-00281	20091	U-238	0.783	0.007	0.042	1.8	1.00 - 5.00
5B-00281	20092	Ac-227	0.029 U	0.14	0.04	0.217	0.00 - 0.50
5B-00281	20092	Ac-228	1.08	0.077	0.038	2.4	0.00 - 0.50
5B-00281	20092	Am-241	0.0072	0.0067	0.0028	0.0454	0.00 - 0.50
5B-00281	20092	Bi-212	0.922	0.14	0.083	2.15	0.00 - 0.50
5B-00281	20092	Bi-214	0.639	0.028	0.027	1.59	0.00 - 0.50
5B-00281	20092	Cd-113m	3 U	38	11	3030	0.00 - 0.50
5B-00281	20092	Cm-243/244	0.0014 U	0.0052	0.0015	0.0443	0.00 - 0.50
5B-00281	20092	Cm-245/246	0.0007 U	0.0019	0.0007	0.0401	0.00 - 0.50
5B-00281	20092	Cm-247/248	0 U	0.0019	0.0008	0.0306	0.00 - 0.50
5B-00281	20092	Co-60	0.007 U	0.018	0.0041	0.028	0.00 - 0.50
5B-00281	20092	Cs-134	0.0106 U	0.044	0.0083	0.0864	0.00 - 0.50
5B-00281	20092	Cs-137	0.0002 U	0.018	0.0053	0.207	0.00 - 0.50
5B-00281	20092	Eu-152	-0.014 U	0.036	0.011	0.0566	0.00 - 0.50
5B-00281	20092	Eu-154	0.0017 U J	0.098	0.0092	0.15	0.00 - 0.50
5B-00281	20092	Eu-155	0.071 SK	0.03	0.012	0.231	0.00 - 0.50
5B-00281	20092	H-3	0.036 U	0.22	0.067	11.9	0.00 - 0.50
5B-00281	20092	Ho-166m	0.0001 U	0.025	0.0002	0.0432	0.00 - 0.50
5B-00281	20092	K-40	20.3	0.13	0.61	32.4	0.00 - 0.50
5B-00281	20092	Na-22	-0.004 U	0.023	0.0069	0.037	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00281	20092	Nb-94	0.004 U	0.014	0.0042	0.0214	0.00 - 0.50
5B-00281	20092	Ni-59	0 U	0.24	0.067	5.96	0.00 - 0.50
5B-00281	20092	Ni-63	-0.16 U	0.54	0.16	4.92	0.00 - 0.50
5B-00281	20092	Np-236	0.0064 U	0.029	0.0086	0.047	0.00 - 0.50
5B-00281	20092	Np-239	0.009 U	0.077	0.023	0.139	0.00 - 0.50
5B-00281	20092	Pa-231	0.08 U	0.55	0.16	0.936	0.00 - 0.50
5B-00281	20092	Pb-212	1.34	0.029	0.056	2.69	0.00 - 0.50
5B-00281	20092	Pb-214	0.699	0.026	0.026	1.7	0.00 - 0.50
5B-00281	20092	Pu-236	0.0003 U	0.0047	0.001	7.79	0.00 - 0.50
5B-00281	20092	Pu-238	0.0003 U	0.0047	0.001	0.0415	0.00 - 0.50
5B-00281	20092	Pu-239/240	0 U	0.0021	0.0007	0.0404	0.00 - 0.50
5B-00281	20092	Pu-244	0.0019	0.0047	0.0015	0.0313	0.00 - 0.50
5B-00281	20092	Sb-125	0.11 SK	0.04	0.01	0.354	0.00 - 0.50
5B-00281	20092	Sn-126	0.0041 U	0.014	0.0043	0.0237	0.00 - 0.50
5B-00281	20092	Sr-90	0.001 U	0.04	0.012	0.485	0.00 - 0.50
5B-00281	20092	Te-125m	0.0253 SK	0.0091	0.0023	0.0838	0.00 - 0.50
5B-00281	20092	Th-228	1.11	0.019	0.057	3.98	0.00 - 0.50
5B-00281	20092	Th-229	0.0036	0.0032	0.0021	0.145	0.00 - 0.50
5B-00281	20092	Th-230	0.696	0.011	0.039	2.2	0.00 - 0.50
5B-00281	20092	Th-232	1.01	0.003	0.053	3.1	0.00 - 0.50
5B-00281	20092	Th-234	0.275	0.14	0.045	3.19	0.00 - 0.50
5B-00281	20092	Tl-208	0.45	0.018	0.018	0.937	0.00 - 0.50
5B-00281	20092	Tm-171	0.1 U J	5.8	1.7	72.4	0.00 - 0.50
5B-00281	20092	U-233/234	0.474	0.013	0.03	2.02	0.00 - 0.50
5B-00281	20092	U-235/236	0.0344	0.0097	0.0072	0.151	0.00 - 0.50
5B-00281	20092	U-238	0.532	0.011	0.033	1.8	0.00 - 0.50
5B-00282	20093	Ac-227	-0.054 U	0.14	0.041	0.217	1.00 - 5.00
5B-00282	20093	Ac-228	1.23	0.096	0.044	2.4	1.00 - 5.00
5B-00282	20093	Am-241	0 U	0.011	0.0028	0.0454	1.00 - 5.00
5B-00282	20093	Bi-212	1.16	0.15	0.091	2.15	1.00 - 5.00
5B-00282	20093	Bi-214	0.798	0.029	0.031	1.59	1.00 - 5.00
5B-00282	20093	C-14	-0.004 U	0.047	0.014	2.96	1.00 - 5.00
5B-00282	20093	Cd-113m	16 U	42	13	3030	1.00 - 5.00
5B-00282	20093	Cm-243/244	0.0028 U	0.0099	0.0029	0.0443	1.00 - 5.00
5B-00282	20093	Cm-245/246	-0.001 U J	0.0073	0.0011	0.0401	1.00 - 5.00
5B-00282	20093	Cm-247/248	-0.001 U	0.0091	0.0018	0.0306	1.00 - 5.00
5B-00282	20093	Co-60	-0.004 U	0.021	0.0063	0.028	1.00 - 5.00
5B-00282	20093	Cs-134	-0.002 U	0.053	0.016	0.0864	1.00 - 5.00
5B-00282	20093	Cs-137	-9E-04 U	0.016	0.0047	0.207	1.00 - 5.00
5B-00282	20093	Eu-152	0.027 J	0.04	0.016	0.0566	1.00 - 5.00
5B-00282	20093	Eu-154	-0.005 U	0.11	0.033	0.15	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00282	20093	Eu-155	0.069 SK	0.034	0.014	0.231	1.00 - 5.00
5B-00282	20093	H-3	0.047 U	0.2	0.059	11.9	1.00 - 5.00
5B-00282	20093	Ho-166m	0.0066 U	0.026	0.0045	0.0432	1.00 - 5.00
5B-00282	20093	K-40	21.3	0.15	0.65	32.4	1.00 - 5.00
5B-00282	20093	Na-22	-0.004 U	0.028	0.0083	0.037	1.00 - 5.00
5B-00282	20093	Nb-94	0.0001 U	0.014	0.0042	0.0214	1.00 - 5.00
5B-00282	20093	Ni-59	0 U	0.17	0.052	5.96	1.00 - 5.00
5B-00282	20093	Ni-63	-0.04 U	0.52	0.16	4.92	1.00 - 5.00
5B-00282	20093	Np-236	-0.014 U	0.031	0.0093	0.047	1.00 - 5.00
5B-00282	20093	Np-239	0.028 U	0.087	0.026	0.139	1.00 - 5.00
5B-00282	20093	Pa-231	0.14 U	0.57	0.17	0.936	1.00 - 5.00
5B-00282	20093	Pb-212	1.63	0.025	0.067	2.69	1.00 - 5.00
5B-00282	20093	Pb-214	0.888	0.027	0.032	1.7	1.00 - 5.00
5B-00282	20093	Pu-236	0.0051	0.0055	0.0023	7.79	1.00 - 5.00
5B-00282	20093	Pu-238	0.0017 U	0.0063	0.0017	0.0415	1.00 - 5.00
5B-00282	20093	Pu-239/240	0.0015	0.002	0.0011	0.0404	1.00 - 5.00
5B-00282	20093	Pu-244	0.0018	0.0045	0.0014	0.0313	1.00 - 5.00
5B-00282	20093	Sb-125	0.167 SK	0.037	0.013	0.354	1.00 - 5.00
5B-00282	20093	Sn-126	-5E-04 U	0.017	0.0051	0.0237	1.00 - 5.00
5B-00282	20093	Sr-90	0.034	0.042	0.013	0.485	1.00 - 5.00
5B-00282	20093	Tc-99	-0.032 U	0.28	0.085	1.63	1.00 - 5.00
5B-00282	20093	Te-125m	0.0387 SK	0.0085	0.003	0.0838	1.00 - 5.00
5B-00282	20093	Th-228	1.26	0.016	0.064	3.98	1.00 - 5.00
5B-00282	20093	Th-229	0.0072	0.012	0.0041	0.145	1.00 - 5.00
5B-00282	20093	Th-230	0.884	0.003	0.048	2.2	1.00 - 5.00
5B-00282	20093	Th-232	1.25	0.003	0.064	3.1	1.00 - 5.00
5B-00282	20093	Th-234	0.558 JR	0.16	0.053	3.19	1.00 - 5.00
5B-00282	20093	Tl-208	0.49	0.019	0.019	0.937	1.00 - 5.00
5B-00282	20093	Tm-171	3.6	6.5	2	72.4	1.00 - 5.00
5B-00282	20093	U-233/234	0.761	0.006	0.041	2.02	1.00 - 5.00
5B-00282	20093	U-235/236	0.0297	0.0028	0.0057	0.151	1.00 - 5.00
5B-00282	20093	U-238	0.725	0.006	0.039	1.8	1.00 - 5.00
5B-00282	20094	Ac-227	0.04 U	0.12	0.036	0.217	0.00 - 0.50
5B-00282	20094	Ac-228	1.24	0.066	0.044	2.4	0.00 - 0.50
5B-00282	20094	Am-241	0 U	0.0024	0.001	0.0454	0.00 - 0.50
5B-00282	20094	Bi-212	1.01	0.11	0.068	2.15	0.00 - 0.50
5B-00282	20094	Bi-214	0.817	0.023	0.032	1.59	0.00 - 0.50
5B-00282	20094	Cd-113m	-4 U	35	11	3030	0.00 - 0.50
5B-00282	20094	Cm-243/244	0.0009 U	0.008	0.002	0.0443	0.00 - 0.50
5B-00282	20094	Cm-245/246	0.0012 U J	0.0032	0.0012	0.0401	0.00 - 0.50
5B-00282	20094	Cm-247/248	0.0023 U	0.0085	0.0024	0.0306	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00282	20094	Co-60	0.0002 U	0.016	0.0003	0.028	0.00 - 0.50
5B-00282	20094	Cs-134	0.0087 U	0.045	0.0027	0.0864	0.00 - 0.50
5B-00282	20094	Cs-137	-3E-04 U	0.013	0.0038	0.207	0.00 - 0.50
5B-00282	20094	Eu-152	0.0137 U	0.031	0.007	0.0566	0.00 - 0.50
5B-00282	20094	Eu-154	0.059 J	0.07	0.022	0.15	0.00 - 0.50
5B-00282	20094	Eu-155	0.082 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00282	20094	H-3	0.046 U	0.22	0.067	11.9	0.00 - 0.50
5B-00282	20094	Ho-166m	0.0026 U	0.02	0.0036	0.0432	0.00 - 0.50
5B-00282	20094	K-40	21.5	0.14	0.71	32.4	0.00 - 0.50
5B-00282	20094	Na-22	0.0008 U	0.02	0.0059	0.037	0.00 - 0.50
5B-00282	20094	Nb-94	0.0042 U	0.012	0.0035	0.0214	0.00 - 0.50
5B-00282	20094	Ni-59	0 U	0.2	0.055	5.96	0.00 - 0.50
5B-00282	20094	Ni-63	-0.26 U	0.49	0.14	4.92	0.00 - 0.50
5B-00282	20094	Np-236	-0.009 U	0.028	0.0083	0.047	0.00 - 0.50
5B-00282	20094	Np-239	-0.002 U	0.078	0.023	0.139	0.00 - 0.50
5B-00282	20094	Pa-231	-0.04 U	0.45	0.14	0.936	0.00 - 0.50
5B-00282	20094	Pb-212	1.52	0.029	0.081	2.69	0.00 - 0.50
5B-00282	20094	Pb-214	0.921	0.022	0.035	1.7	0.00 - 0.50
5B-00282	20094	Pu-236	-0.001 U	0.0081	0.0016	7.79	0.00 - 0.50
5B-00282	20094	Pu-238	-2E-04 U	0.0055	0.001	0.0415	0.00 - 0.50
5B-00282	20094	Pu-239/240	-0.002 U	0.007	0.001	0.0404	0.00 - 0.50
5B-00282	20094	Pu-244	0.0021	0.0055	0.0017	0.0313	0.00 - 0.50
5B-00282	20094	Sb-125	0.138 SK	0.035	0.01	0.354	0.00 - 0.50
5B-00282	20094	Sn-126	0.0025 U	0.011	0.0032	0.0237	0.00 - 0.50
5B-00282	20094	Sr-90	-0.001 U	0.037	0.011	0.485	0.00 - 0.50
5B-00282	20094	Te-125m	0.0318 SK	0.008	0.0023	0.0838	0.00 - 0.50
5B-00282	20094	Th-228	1.16	0.014	0.058	3.98	0.00 - 0.50
5B-00282	20094	Th-229	0.0043	0.0029	0.0021	0.145	0.00 - 0.50
5B-00282	20094	Th-230	0.854	0.008	0.045	2.2	0.00 - 0.50
5B-00282	20094	Th-232	1.07	0.006	0.054	3.1	0.00 - 0.50
5B-00282	20094	Th-234	1.46	0.13	0.083	3.19	0.00 - 0.50
5B-00282	20094	Tl-208	0.472	0.014	0.018	0.937	0.00 - 0.50
5B-00282	20094	Tm-171	0.1 U J	3.6	1.1	72.4	0.00 - 0.50
5B-00282	20094	U-233/234	0.76	0.003	0.044	2.02	0.00 - 0.50
5B-00282	20094	U-235/236	0.0454	0.014	0.0091	0.151	0.00 - 0.50
5B-00282	20094	U-238	0.767	0.003	0.044	1.8	0.00 - 0.50
5B-00283	20095	Ac-227	0.037 U	0.12	0.038	0.217	1.00 - 5.00
5B-00283	20095	Ac-228	0.882	0.082	0.034	2.4	1.00 - 5.00
5B-00283	20095	Am-241	0 U	0.0096	0.002	0.0454	1.00 - 5.00
5B-00283	20095	Bi-212	0.733	0.11	0.061	2.15	1.00 - 5.00
5B-00283	20095	Bi-214	0.853	0.023	0.03	1.59	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00283	20095	Cd-113m	0.004 U	34	10	3030	1.00 - 5.00
5B-00283	20095	Cm-243/244	-0.003 U	0.012	0.002	0.0443	1.00 - 5.00
5B-00283	20095	Cm-245/246	-0.002 U	0.009	0.002	0.0401	1.00 - 5.00
5B-00283	20095	Cm-247/248	-7E-04 U	0.005	0.0008	0.0306	1.00 - 5.00
5B-00283	20095	Co-60	0.0019 U	0.015	0.0041	0.028	1.00 - 5.00
5B-00283	20095	Cs-134	0.002 U	0.047	0.0045	0.0864	1.00 - 5.00
5B-00283	20095	Cs-137	-0.002 U	0.013	0.004	0.207	1.00 - 5.00
5B-00283	20095	Eu-152	-0.012 U	0.03	0.0091	0.0566	1.00 - 5.00
5B-00283	20095	Eu-154	-0.031 U	0.092	0.028	0.15	1.00 - 5.00
5B-00283	20095	Eu-155	0.058 SK	0.026	0.01	0.231	1.00 - 5.00
5B-00283	20095	Ho-166m	0.0211 SK	0.02	0.0064	0.0432	1.00 - 5.00
5B-00283	20095	K-40	20.3	0.1	0.61	32.4	1.00 - 5.00
5B-00283	20095	Na-22	0.0033 U	0.022	0.0066	0.037	1.00 - 5.00
5B-00283	20095	Nb-94	0.0031 U	0.012	0.0036	0.0214	1.00 - 5.00
5B-00283	20095	Np-236	-0.009 U	0.027	0.0082	0.047	1.00 - 5.00
5B-00283	20095	Np-239	0.0008 U	0.072	0.022	0.139	1.00 - 5.00
5B-00283	20095	Pa-231	-0.1 U	0.52	0.16	0.936	1.00 - 5.00
5B-00283	20095	Pb-212	1.08 J	0.024	0.044	2.69	1.00 - 5.00
5B-00283	20095	Pb-214	0.92	0.023	0.031	1.7	1.00 - 5.00
5B-00283	20095	Pu-236	-0.001 U	0.0056	0.0008	7.79	1.00 - 5.00
5B-00283	20095	Pu-238	0.0014 U	0.0018	0.001	0.0415	1.00 - 5.00
5B-00283	20095	Pu-239/240	0.0027	0.0018	0.0014	0.0404	1.00 - 5.00
5B-00283	20095	Pu-244	0.0014 U	0.0018	0.001	0.0313	1.00 - 5.00
5B-00283	20095	Sb-125	0.11 SK	0.036	0.0096	0.354	1.00 - 5.00
5B-00283	20095	Sn-126	0.0016 U	0.014	0.0041	0.0237	1.00 - 5.00
5B-00283	20095	Sr-90	0.0004 U	0.034	0.0099	0.485	1.00 - 5.00
5B-00283	20095	Te-125m	0.0254 SK	0.0083	0.0022	0.0838	1.00 - 5.00
5B-00283	20095	Th-228	0.915	0.018	0.048	3.98	1.00 - 5.00
5B-00283	20095	Th-229	0.0094	0.0067	0.0031	0.145	1.00 - 5.00
5B-00283	20095	Th-230	0.887	0.006	0.046	2.2	1.00 - 5.00
5B-00283	20095	Th-232	0.933	0.006	0.048	3.1	1.00 - 5.00
5B-00283	20095	Th-234	1.12 R	0.13	0.069	3.19	1.00 - 5.00
5B-00283	20095	Tl-208	0.366	0.016	0.015	0.937	1.00 - 5.00
5B-00283	20095	Tm-171	0.2 U	4	1.2	72.4	1.00 - 5.00
5B-00283	20096	Ac-227	0.14	0.12	0.048	0.217	0.00 - 0.50
5B-00283	20096	Ac-228	1.2	0.085	0.046	2.4	0.00 - 0.50
5B-00283	20096	Am-241	0.0046	0.0072	0.0025	0.0454	0.00 - 0.50
5B-00283	20096	Bi-212	1	0.12	0.072	2.15	0.00 - 0.50
5B-00283	20096	Bi-214	0.802	0.027	0.03	1.59	0.00 - 0.50
5B-00283	20096	Cd-113m	-3 U	42	12	3030	0.00 - 0.50
5B-00283	20096	Cm-243/244	0.0008 U	0.0021	0.0008	0.0443	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00283	20096	Cm-245/246	-0.001 U J	0.0073	0.0011	0.0401	0.00 - 0.50
5B-00283	20096	Cm-247/248	-0.001 U	0.0071	0.0011	0.0306	0.00 - 0.50
5B-00283	20096	Co-60	0.0026 U	0.02	0.0042	0.028	0.00 - 0.50
5B-00283	20096	Cs-134	0.0113 SK	0.013	0.0043	0.0864	0.00 - 0.50
5B-00283	20096	Cs-137	0 U	0.019	0.0029	0.207	0.00 - 0.50
5B-00283	20096	Eu-152	0.0133 U	0.038	0.0092	0.0566	0.00 - 0.50
5B-00283	20096	Eu-154	0.017 U J	0.11	0.016	0.15	0.00 - 0.50
5B-00283	20096	Eu-155	0.072 SK	0.031	0.012	0.231	0.00 - 0.50
5B-00283	20096	H-3	0.057 U	0.23	0.07	11.9	0.00 - 0.50
5B-00283	20096	Ho-166m	0.0337 SK	0.026	0.0047	0.0432	0.00 - 0.50
5B-00283	20096	K-40	20.6	0.14	0.62	32.4	0.00 - 0.50
5B-00283	20096	Na-22	-0.008 U	0.026	0.0079	0.037	0.00 - 0.50
5B-00283	20096	Nb-94	0.0057 U	0.015	0.0032	0.0214	0.00 - 0.50
5B-00283	20096	Ni-59	0 U	0.25	0.068	5.96	0.00 - 0.50
5B-00283	20096	Ni-63	-0.31 U	0.58	0.17	4.92	0.00 - 0.50
5B-00283	20096	Np-236	-0.002 U	0.022	0.0067	0.047	0.00 - 0.50
5B-00283	20096	Np-239	0.006 U	0.071	0.021	0.139	0.00 - 0.50
5B-00283	20096	Pa-231	-0.08 U	0.59	0.18	0.936	0.00 - 0.50
5B-00283	20096	Pb-212	1.51	0.023	0.062	2.69	0.00 - 0.50
5B-00283	20096	Pb-214	0.854	0.027	0.031	1.7	0.00 - 0.50
5B-00283	20096	Pu-236	-5E-04 U	0.0045	0.0005	7.79	0.00 - 0.50
5B-00283	20096	Pu-238	0.0006 U	0.0056	0.0013	0.0415	0.00 - 0.50
5B-00283	20096	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	0.00 - 0.50
5B-00283	20096	Pu-244	0.0023	0.0021	0.0013	0.0313	0.00 - 0.50
5B-00283	20096	Sb-125	0.125 SK	0.042	0.01	0.354	0.00 - 0.50
5B-00283	20096	Sn-126	0.0031 U	0.017	0.0051	0.0237	0.00 - 0.50
5B-00283	20096	Sr-90	0.026	0.042	0.013	0.485	0.00 - 0.50
5B-00283	20096	Te-125m	0.0289 SK	0.0098	0.0024	0.0838	0.00 - 0.50
5B-00283	20096	Th-228	1.1	0.014	0.055	3.98	0.00 - 0.50
5B-00283	20096	Th-229	0.0077	0.014	0.0046	0.145	0.00 - 0.50
5B-00283	20096	Th-230	0.838	0.006	0.044	2.2	0.00 - 0.50
5B-00283	20096	Th-232	1.05	0.006	0.053	3.1	0.00 - 0.50
5B-00283	20096	Th-234	0.426	0.15	0.05	3.19	0.00 - 0.50
5B-00283	20096	Tl-208	0.47	0.018	0.018	0.937	0.00 - 0.50
5B-00283	20096	Tm-171	3.9 J	4.8	1.8	72.4	0.00 - 0.50
5B-00283	20096	U-233/234	0.639	0.008	0.038	2.02	0.00 - 0.50
5B-00283	20096	U-235/236	0.0337	0.0038	0.007	0.151	0.00 - 0.50
5B-00283	20096	U-238	0.634	0.003	0.038	1.8	0.00 - 0.50
5B-00287	20097	Ac-227	0.041 U	0.14	0.043	0.217	1.00 - 5.00
5B-00287	20097	Ac-228	1.13	0.11	0.044	2.4	1.00 - 5.00
5B-00287	20097	Am-241	-9E-04 U	0.0064	0.001	0.0454	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00287	20097	Bi-212	0.945	0.14	0.084	2.15	1.00 - 5.00
5B-00287	20097	Bi-214	0.729	0.023	0.027	1.59	1.00 - 5.00
5B-00287	20097	C-14	0.03	0.053	0.016	2.96	1.00 - 5.00
5B-00287	20097	Cd-113m	16 U	39	12	3030	1.00 - 5.00
5B-00287	20097	Cm-243/244	0.0017 U	0.0023	0.0012	0.0443	1.00 - 5.00
5B-00287	20097	Cm-245/246	-0.001 U J	0.011	0.0024	0.0401	1.00 - 5.00
5B-00287	20097	Cm-247/248	-0.001 U	0.009	0.0018	0.0306	1.00 - 5.00
5B-00287	20097	Co-60	0.0064 U	0.016	0.0049	0.028	1.00 - 5.00
5B-00287	20097	Cs-134	0.0163 U	0.05	0.0045	0.0864	1.00 - 5.00
5B-00287	20097	Cs-137	0.0047 U	0.015	0.0045	0.207	1.00 - 5.00
5B-00287	20097	Eu-152	-0.01 U	0.038	0.011	0.0566	1.00 - 5.00
5B-00287	20097	Eu-154	-0.017 U	0.1	0.03	0.15	1.00 - 5.00
5B-00287	20097	Eu-155	0.072 SK	0.032	0.013	0.231	1.00 - 5.00
5B-00287	20097	H-3	0.003 U	0.19	0.056	11.9	1.00 - 5.00
5B-00287	20097	Ho-166m	0.0097 U J	0.022	0.0096	0.0432	1.00 - 5.00
5B-00287	20097	K-40	21.3	0.14	0.65	32.4	1.00 - 5.00
5B-00287	20097	Na-22	-0.005 U	0.022	0.0067	0.037	1.00 - 5.00
5B-00287	20097	Nb-94	0.0032 U	0.014	0.0043	0.0214	1.00 - 5.00
5B-00287	20097	Ni-59	0 U	0.5	0.15	5.96	1.00 - 5.00
5B-00287	20097	Ni-63	0.41	0.63	0.19	4.92	1.00 - 5.00
5B-00287	20097	Np-236	-0.006 U	0.031	0.0092	0.047	1.00 - 5.00
5B-00287	20097	Np-239	0.011 U	0.085	0.026	0.139	1.00 - 5.00
5B-00287	20097	Pa-231	0.15 U	0.57	0.13	0.936	1.00 - 5.00
5B-00287	20097	Pb-212	1.44	0.023	0.059	2.69	1.00 - 5.00
5B-00287	20097	Pb-214	0.849	0.026	0.03	1.7	1.00 - 5.00
5B-00287	20097	Pu-236	0.0015	0.002	0.0011	7.79	1.00 - 5.00
5B-00287	20097	Pu-238	0.003	0.002	0.0015	0.0415	1.00 - 5.00
5B-00287	20097	Pu-239/240	0.0008 U	0.002	0.0008	0.0404	1.00 - 5.00
5B-00287	20097	Pu-244	0.0022	0.002	0.0013	0.0313	1.00 - 5.00
5B-00287	20097	Sb-125	0.039 JSK	0.034	0.016	0.354	1.00 - 5.00
5B-00287	20097	Sn-126	0.0032 U	0.016	0.0047	0.0237	1.00 - 5.00
5B-00287	20097	Sr-90	0.036	0.047	0.015	0.485	1.00 - 5.00
5B-00287	20097	Tc-99	0.03 U	0.35	0.11	1.63	1.00 - 5.00
5B-00287	20097	Te-125m	0.009 JSK	0.0078	0.0037	0.0838	1.00 - 5.00
5B-00287	20097	Th-228	1.23	0.022	0.065	3.98	1.00 - 5.00
5B-00287	20097	Th-229	0.0058	0.009	0.0031	0.145	1.00 - 5.00
5B-00287	20097	Th-230	0.813	0.01	0.047	2.2	1.00 - 5.00
5B-00287	20097	Th-232	1.17	0.009	0.062	3.1	1.00 - 5.00
5B-00287	20097	Th-234	0.293 R	0.16	0.049	3.19	1.00 - 5.00
5B-00287	20097	Tl-208	0.448	0.019	0.018	0.937	1.00 - 5.00
5B-00287	20097	Tm-171	-0.6 U	5.7	1.7	72.4	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00287	20097	U-233/234	0.572	0.015	0.035	2.02	1.00 - 5.00
5B-00287	20097	U-235/236	0.0282	0.0036	0.0063	0.151	1.00 - 5.00
5B-00287	20097	U-238	0.628	0.003	0.037	1.8	1.00 - 5.00
5B-00287	20098	Ac-227	0.035 U	0.12	0.043	0.217	0.00 - 0.50
5B-00287	20098	Ac-228	0.962	0.094	0.037	2.4	0.00 - 0.50
5B-00287	20098	Am-241	0.001 U	0.0075	0.0018	0.0454	0.00 - 0.50
5B-00287	20098	Bi-212	0.9	0.11	0.064	2.15	0.00 - 0.50
5B-00287	20098	Bi-214	0.648	0.027	0.026	1.59	0.00 - 0.50
5B-00287	20098	C-14	0.036	0.041	0.013	2.96	0.00 - 0.50
5B-00287	20098	Cd-113m	9 U	37	11	3030	0.00 - 0.50
5B-00287	20098	Cm-243/244	0 U	0.0027	0.0011	0.0443	0.00 - 0.50
5B-00287	20098	Cm-245/246	0.0012 U J	0.009	0.0022	0.0401	0.00 - 0.50
5B-00287	20098	Cm-247/248	0.0012 U	0.0089	0.0022	0.0306	0.00 - 0.50
5B-00287	20098	Co-60	0.0041 U	0.021	0.0035	0.028	0.00 - 0.50
5B-00287	20098	Cs-134	0.0144 U	0.047	0.0072	0.0864	0.00 - 0.50
5B-00287	20098	Cs-137	0.005 U	0.016	0.0047	0.207	0.00 - 0.50
5B-00287	20098	Eu-152	0.021	0.029	0.017	0.0566	0.00 - 0.50
5B-00287	20098	Eu-154	0.009 U	0.11	0.014	0.15	0.00 - 0.50
5B-00287	20098	Eu-155	0.049 SK	0.03	0.012	0.231	0.00 - 0.50
5B-00287	20098	H-3	0.021 U	0.19	0.057	11.9	0.00 - 0.50
5B-00287	20098	Ho-166m	0.0057 U	0.025	0.0071	0.0432	0.00 - 0.50
5B-00287	20098	K-40	24.2	0.13	0.73	32.4	0.00 - 0.50
5B-00287	20098	Na-22	-0.003 U	0.026	0.0079	0.037	0.00 - 0.50
5B-00287	20098	Nb-94	-7E-04 U	0.015	0.0013	0.0214	0.00 - 0.50
5B-00287	20098	Np-236	0.0023 U	0.03	0.0089	0.047	0.00 - 0.50
5B-00287	20098	Np-239	0.016 U	0.082	0.025	0.139	0.00 - 0.50
5B-00287	20098	Pa-231	0.04 U	0.56	0.17	0.936	0.00 - 0.50
5B-00287	20098	Pb-212	1.27	0.023	0.052	2.69	0.00 - 0.50
5B-00287	20098	Pb-214	0.724	0.027	0.027	1.7	0.00 - 0.50
5B-00287	20098	Pu-236	0.0032	0.0034	0.0014	7.79	0.00 - 0.50
5B-00287	20098	Pu-238	0.0028	0.0043	0.0015	0.0415	0.00 - 0.50
5B-00287	20098	Pu-239/240	0.0014	0.0034	0.0011	0.0404	0.00 - 0.50
5B-00287	20098	Pu-244	0.0018	0.0034	0.0012	0.0313	0.00 - 0.50
5B-00287	20098	Sb-125	0.131 SK	0.039	0.012	0.354	0.00 - 0.50
5B-00287	20098	Sn-126	-5E-04 U	0.014	0.0042	0.0237	0.00 - 0.50
5B-00287	20098	Sr-90	-0.024 U	0.05	0.014	0.485	0.00 - 0.50
5B-00287	20098	Tc-99	-0.089 U	0.29	0.087	1.63	0.00 - 0.50
5B-00287	20098	Te-125m	0.0303 SK	0.0089	0.0028	0.0838	0.00 - 0.50
5B-00287	20098	Th-228	0.963	0.017	0.051	3.98	0.00 - 0.50
5B-00287	20098	Th-229	0.0056	0.0074	0.0027	0.145	0.00 - 0.50
5B-00287	20098	Th-230	0.615	0.012	0.036	2.2	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00287	20098	Th-232	0.9	0.003	0.048	3.1	0.00 - 0.50
5B-00287	20098	Th-234	0.45	0.14	0.047	3.19	0.00 - 0.50
5B-00287	20098	Tl-208	0.379	0.015	0.014	0.937	0.00 - 0.50
5B-00287	20098	Tm-171	-2.1 U	5.2	1.6	72.4	0.00 - 0.50
5B-00287	20098	U-233/234	0.488	0.008	0.031	2.02	0.00 - 0.50
5B-00287	20098	U-235/236	0.0193	0.0037	0.0052	0.151	0.00 - 0.50
5B-00287	20098	U-238	0.516	0.008	0.032	1.8	0.00 - 0.50
5B-00288	20100	Ac-227	0.02 U	0.13	0.046	0.217	0.00 - 0.50
5B-00288	20100	Ac-228	0.613	0.1	0.03	2.4	0.00 - 0.50
5B-00288	20100	Am-241	0.0007 U	0.0064	0.0016	0.0454	0.00 - 0.50
5B-00288	20100	Bi-212	0.499	0.15	0.078	2.15	0.00 - 0.50
5B-00288	20100	Bi-214	0.428	0.024	0.019	1.59	0.00 - 0.50
5B-00288	20100	C-14	0.0137	0.026	0.0078	2.96	0.00 - 0.50
5B-00288	20100	Cd-113m	10 U	34	10	3030	0.00 - 0.50
5B-00288	20100	Cm-243/244	0.0007 U	0.0018	0.0007	0.0443	0.00 - 0.50
5B-00288	20100	Cm-245/246	0 U	0.0019	0.0008	0.0401	0.00 - 0.50
5B-00288	20100	Cm-247/248	-7E-04 U	0.0051	0.0008	0.0306	0.00 - 0.50
5B-00288	20100	Co-60	-0.007 U	0.022	0.0066	0.028	0.00 - 0.50
5B-00288	20100	Cs-134	0.0081 SK	0.012	0.0056	0.0864	0.00 - 0.50
5B-00288	20100	Cs-137	0.0097	0.019	0.0071	0.207	0.00 - 0.50
5B-00288	20100	Eu-152	-0.008 U	0.035	0.011	0.0566	0.00 - 0.50
5B-00288	20100	Eu-154	0.0055 U	0.12	0.0031	0.15	0.00 - 0.50
5B-00288	20100	Eu-155	0.041 SK	0.029	0.011	0.231	0.00 - 0.50
5B-00288	20100	H-3	0.064 U	0.19	0.058	11.9	0.00 - 0.50
5B-00288	20100	Ho-166m	0.0021 U	0.024	0.0015	0.0432	0.00 - 0.50
5B-00288	20100	K-40	26.9	0.15	0.81	32.4	0.00 - 0.50
5B-00288	20100	Na-22	0 U	0.029	0.0086	0.037	0.00 - 0.50
5B-00288	20100	Nb-94	0.0067	0.0098	0.0038	0.0214	0.00 - 0.50
5B-00288	20100	Ni-59	0 U	0.17	0.047	5.96	0.00 - 0.50
5B-00288	20100	Ni-63	0.009 U	0.48	0.14	4.92	0.00 - 0.50
5B-00288	20100	Np-236	0.0018 U	0.024	0.0072	0.047	0.00 - 0.50
5B-00288	20100	Np-239	-0.002 U	0.078	0.023	0.139	0.00 - 0.50
5B-00288	20100	Pa-231	0.12 U	0.51	0.15	0.936	0.00 - 0.50
5B-00288	20100	Pb-212	0.735	0.023	0.032	2.69	0.00 - 0.50
5B-00288	20100	Pb-214	0.485	0.025	0.02	1.7	0.00 - 0.50
5B-00288	20100	Pu-236	-0.002 U	0.0066	0.0012	7.79	0.00 - 0.50
5B-00288	20100	Pu-238	0 U	0.0051	0.0012	0.0415	0.00 - 0.50
5B-00288	20100	Pu-239/240	0.0011 U	0.0015	0.0008	0.0404	0.00 - 0.50
5B-00288	20100	Pu-244	0.0033	0.0015	0.0013	0.0313	0.00 - 0.50
5B-00288	20100	Sb-125	0.0462 SK	0.04	0.0078	0.354	0.00 - 0.50
5B-00288	20100	Sn-126	-7E-04 U	0.016	0.0047	0.0237	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00288	20100	Sr-90	0.0008 U	0.045	0.013	0.485	0.00 - 0.50
5B-00288	20100	Tc-99	-0.076 U	0.27	0.08	1.63	0.00 - 0.50
5B-00288	20100	Te-125m	0.0107 SK	0.0092	0.0018	0.0838	0.00 - 0.50
5B-00288	20100	Th-228	0.599	0.008	0.032	3.98	0.00 - 0.50
5B-00288	20100	Th-229	0.0012 U	0.0063	0.0017	0.145	0.00 - 0.50
5B-00288	20100	Th-230	0.466	0.007	0.026	2.2	0.00 - 0.50
5B-00288	20100	Th-232	0.573	0.002	0.031	3.1	0.00 - 0.50
5B-00288	20100	Th-234	0.657	0.13	0.054	3.19	0.00 - 0.50
5B-00288	20100	Tl-208	0.232	0.016	0.012	0.937	0.00 - 0.50
5B-00288	20100	Tm-171	-0.01 U	4.7	1.4	72.4	0.00 - 0.50
5B-00288	20100	U-233/234	0.375	0.006	0.023	2.02	0.00 - 0.50
5B-00288	20100	U-235/236	0.0236	0.0069	0.005	0.151	0.00 - 0.50
5B-00288	20100	U-238	0.381	0.002	0.023	1.8	0.00 - 0.50
5B-00289	20101	Ac-227	0.045 U	0.1	0.023	0.217	0.00 - 0.50
5B-00289	20101	Ac-228	1.58	0.055	0.05	2.4	0.00 - 0.50
5B-00289	20101	Am-241	0.0039	0.0026	0.0019	0.0454	0.00 - 0.50
5B-00289	20101	Bi-212	1.3	0.099	0.068	2.15	0.00 - 0.50
5B-00289	20101	Bi-214	1.47	0.021	0.047	1.59	0.00 - 0.50
5B-00289	20101	Cd-113m	-3 U	35	11	3030	0.00 - 0.50
5B-00289	20101	Cm-243/244	0.0009 U	0.007	0.0017	0.0443	0.00 - 0.50
5B-00289	20101	Cm-245/246	0.0033	0.0081	0.0025	0.0401	0.00 - 0.50
5B-00289	20101	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	0.00 - 0.50
5B-00289	20101	Co-60	0.0001 U	0.013	0.004	0.028	0.00 - 0.50
5B-00289	20101	Cs-134	0.0166 U	0.042	0.0034	0.0864	0.00 - 0.50
5B-00289	20101	Cs-137	0.282 Y	0.011	0.011	0.207	0.00 - 0.50
5B-00289	20101	Eu-152	0.0078 U	0.023	0.0069	0.0566	0.00 - 0.50
5B-00289	20101	Eu-154	0.0123 U	0.068	0.0096	0.15	0.00 - 0.50
5B-00289	20101	Eu-155	0.103 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00289	20101	Ho-166m	0.0052 U L,R	0.015	0.0043	0.0432	0.00 - 0.50
5B-00289	20101	K-40	20	0.13	0.59	32.4	0.00 - 0.50
5B-00289	20101	Na-22	0.0001 U	0.017	0.0052	0.037	0.00 - 0.50
5B-00289	20101	Nb-94	0.0057 SK	0.011	0.0032	0.0214	0.00 - 0.50
5B-00289	20101	Np-236	-0.004 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00289	20101	Np-239	0.025 U	0.062	0.019	0.139	0.00 - 0.50
5B-00289	20101	Pa-231	-0.19 U	0.5	0.15	0.936	0.00 - 0.50
5B-00289	20101	Pb-212	2.15	0.02	0.086	2.69	0.00 - 0.50
5B-00289	20101	Pb-214	1.66	0.022	0.052	1.7	0.00 - 0.50
5B-00289	20101	Pu-236	0.0008 U	0.0023	0.0008	7.79	0.00 - 0.50
5B-00289	20101	Pu-238	0.0033	0.0022	0.0017	0.0415	0.00 - 0.50
5B-00289	20101	Pu-239/240	0 U	0.0022	0.0007	0.0404	0.00 - 0.50
5B-00289	20101	Pu-244	0.0008 U	0.0022	0.0008	0.0313	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00289	20101	Sb-125	0.135 JSK	0.035	0.008	0.354	0.00 - 0.50
5B-00289	20101	Sn-126	0.0009 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00289	20101	Sr-90	0.013 U	0.043	0.013	0.485	0.00 - 0.50
5B-00289	20101	Te-125m	0.0311 JSK	0.008	0.0019	0.0838	0.00 - 0.50
5B-00289	20101	Th-228	1.12	0.015	0.058	3.98	0.00 - 0.50
5B-00289	20101	Th-229	0.0125	0.012	0.0048	0.145	0.00 - 0.50
5B-00289	20101	Th-230	1.22	0.01	0.063	2.2	0.00 - 0.50
5B-00289	20101	Th-232	1.09	0.008	0.057	3.1	0.00 - 0.50
5B-00289	20101	Th-234	0.308 R	0.13	0.043	3.19	0.00 - 0.50
5B-00289	20101	Tl-208	0.636	0.013	0.021	0.937	0.00 - 0.50
5B-00289	20101	Tm-171	1.3 U	4.5	1.4	72.4	0.00 - 0.50
5B-00289	20101	U-233/234	0.812	0.009	0.046	2.02	0.00 - 0.50
5B-00289	20101	U-235/236	0.0293	0.004	0.0067	0.151	0.00 - 0.50
5B-00289	20101	U-238	0.923	0.009	0.051	1.8	0.00 - 0.50
5B-00290	20102	Ac-227	0.029 U	0.1	0.035	0.217	0.00 - 0.50
5B-00290	20102	Ac-228	0.707	0.067	0.029	2.4	0.00 - 0.50
5B-00290	20102	Am-241	0 U	0.0068	0.0016	0.0454	0.00 - 0.50
5B-00290	20102	Bi-212	0.495	0.079	0.043	2.15	0.00 - 0.50
5B-00290	20102	Bi-214	0.595	0.018	0.023	1.59	0.00 - 0.50
5B-00290	20102	Cd-113m	7.3 U	28	8.4	3030	0.00 - 0.50
5B-00290	20102	Cm-243/244	-0.002 U	0.0077	0.0014	0.0443	0.00 - 0.50
5B-00290	20102	Cm-245/246	0.0018 U J	0.0024	0.0012	0.0401	0.00 - 0.50
5B-00290	20102	Cm-247/248	0.0017 U	0.0023	0.0012	0.0306	0.00 - 0.50
5B-00290	20102	Co-60	0.0035 U	0.012	0.0036	0.028	0.00 - 0.50
5B-00290	20102	Cs-134	-2E-04 U	0.029	0.002	0.0864	0.00 - 0.50
5B-00290	20102	Cs-137	0.008	0.0076	0.0034	0.207	0.00 - 0.50
5B-00290	20102	Eu-152	-0.004 U	0.025	0.0076	0.0566	0.00 - 0.50
5B-00290	20102	Eu-154	-0.044 U	0.071	0.022	0.15	0.00 - 0.50
5B-00290	20102	Eu-155	0.051 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00290	20102	Ho-166m	0.0044 U	0.017	0.0027	0.0432	0.00 - 0.50
5B-00290	20102	K-40	20.8	0.13	0.69	32.4	0.00 - 0.50
5B-00290	20102	Na-22	-0.003 U	0.017	0.005	0.037	0.00 - 0.50
5B-00290	20102	Nb-94	0.0016 U	0.0089	0.0018	0.0214	0.00 - 0.50
5B-00290	20102	Np-236	-4E-04 U	0.023	0.0068	0.047	0.00 - 0.50
5B-00290	20102	Np-239	0.004 U	0.063	0.019	0.139	0.00 - 0.50
5B-00290	20102	Pa-231	0.04 U	0.39	0.12	0.936	0.00 - 0.50
5B-00290	20102	Pb-212	0.821	0.021	0.044	2.69	0.00 - 0.50
5B-00290	20102	Pb-214	0.673	0.017	0.026	1.7	0.00 - 0.50
5B-00290	20102	Pu-236	-0.002 U	0.0062	0.0011	7.79	0.00 - 0.50
5B-00290	20102	Pu-238	-0.002 U	0.0075	0.0015	0.0415	0.00 - 0.50
5B-00290	20102	Pu-239/240	0.0011 U	0.0042	0.0012	0.0404	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00290	20102	Pu-244	0.0029	0.0015	0.0013	0.0313	0.00 - 0.50
5B-00290	20102	Sb-125	0.066 SK	0.027	0.0061	0.354	0.00 - 0.50
5B-00290	20102	Sn-126	0.0008 U	0.0099	0.0029	0.0237	0.00 - 0.50
5B-00290	20102	Sr-90	0.007 U	0.047	0.014	0.485	0.00 - 0.50
5B-00290	20102	Te-125m	0.0152 SK	0.0062	0.0014	0.0838	0.00 - 0.50
5B-00290	20102	Th-228	0.695	0.016	0.042	3.98	0.00 - 0.50
5B-00290	20102	Th-229	0.0061	0.0066	0.0027	0.145	0.00 - 0.50
5B-00290	20102	Th-230	0.905	0.009	0.051	2.2	0.00 - 0.50
5B-00290	20102	Th-232	0.626	0.003	0.038	3.1	0.00 - 0.50
5B-00290	20102	Th-234	1.06	0.11	0.066	3.19	0.00 - 0.50
5B-00290	20102	Tl-208	0.263	0.012	0.011	0.937	0.00 - 0.50
5B-00290	20102	Tm-171	0.01 U	4.7	1.4	72.4	0.00 - 0.50
5B-00290	20102	U-233/234	0.639	0.011	0.036	2.02	0.00 - 0.50
5B-00290	20102	U-235/236	0.0387	0.0032	0.0069	0.151	0.00 - 0.50
5B-00290	20102	U-238	0.723	0.01	0.04	1.8	0.00 - 0.50
5B-00291	20104	Ac-227	0.033 U	0.12	0.035	0.217	0.00 - 0.50
5B-00291	20104	Ac-228	0.863	0.069	0.033	2.4	0.00 - 0.50
5B-00291	20104	Am-241	0.0028	0.006	0.0019	0.0454	0.00 - 0.50
5B-00291	20104	Bi-212	0.752	0.11	0.071	2.15	0.00 - 0.50
5B-00291	20104	Bi-214	0.749	0.02	0.029	1.59	0.00 - 0.50
5B-00291	20104	C-14	0.0123 U	0.027	0.0082	2.96	0.00 - 0.50
5B-00291	20104	Cd-113m	2.4 U	31	9.3	3030	0.00 - 0.50
5B-00291	20104	Cm-243/244	-0.004 U	0.0095	0.0022	0.0443	0.00 - 0.50
5B-00291	20104	Cm-245/246	0.0029 U J	0.011	0.0031	0.0401	0.00 - 0.50
5B-00291	20104	Cm-247/248	-3E-04 U	0.0095	0.0018	0.0306	0.00 - 0.50
5B-00291	20104	Co-60	0.0026 U	0.016	0.0039	0.028	0.00 - 0.50
5B-00291	20104	Cs-134	0.0012 U	0.045	0.0011	0.0864	0.00 - 0.50
5B-00291	20104	Cs-137	0.0001 U	0.011	0.0033	0.207	0.00 - 0.50
5B-00291	20104	Eu-152	0.0023 U	0.029	0.002	0.0566	0.00 - 0.50
5B-00291	20104	Eu-154	0.015 U	0.085	0.016	0.15	0.00 - 0.50
5B-00291	20104	Eu-155	0.055 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00291	20104	H-3	0.037 U	0.22	0.066	11.9	0.00 - 0.50
5B-00291	20104	Ho-166m	0.0122 JSK	0.02	0.0023	0.0432	0.00 - 0.50
5B-00291	20104	K-40	22.2	0.14	0.74	32.4	0.00 - 0.50
5B-00291	20104	Na-22	0.0065 U	0.02	0.0061	0.037	0.00 - 0.50
5B-00291	20104	Nb-94	0.0116 SK	0.0089	0.0041	0.0214	0.00 - 0.50
5B-00291	20104	Ni-59	0 U	0.27	0.088	5.96	0.00 - 0.50
5B-00291	20104	Ni-63	-0.08 U	0.5	0.15	4.92	0.00 - 0.50
5B-00291	20104	Np-236	-0.012 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00291	20104	Np-239	-0.004 U	0.075	0.022	0.139	0.00 - 0.50
5B-00291	20104	Pa-231	0.05 U	0.5	0.15	0.936	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00291	20104	Pb-212	1.02	0.027	0.055	2.69	0.00 - 0.50
5B-00291	20104	Pb-214	0.87	0.02	0.033	1.7	0.00 - 0.50
5B-00291	20104	Pu-236	-8E-04 U	0.0037	0.0006	7.79	0.00 - 0.50
5B-00291	20104	Pu-238	-0.001 U	0.0043	0.0008	0.0415	0.00 - 0.50
5B-00291	20104	Pu-239/240	-4E-04 U	0.0029	0.0004	0.0404	0.00 - 0.50
5B-00291	20104	Pu-244	0.0008 U	0.0011	0.0006	0.0313	0.00 - 0.50
5B-00291	20104	Sb-125	0.0897 SK	0.035	0.0087	0.354	0.00 - 0.50
5B-00291	20104	Sn-126	-0.003 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00291	20104	Sr-90	-0.004 U	0.051	0.015	0.485	0.00 - 0.50
5B-00291	20104	Tc-99	-0.054 U	0.26	0.079	1.63	0.00 - 0.50
5B-00291	20104	Te-125m	0.0207 SK	0.0081	0.002	0.0838	0.00 - 0.50
5B-00291	20104	Th-228	0.871	0.02	0.05	3.98	0.00 - 0.50
5B-00291	20104	Th-229	0.0066	0.002	0.0022	0.145	0.00 - 0.50
5B-00291	20104	Th-230	0.828	0.003	0.048	2.2	0.00 - 0.50
5B-00291	20104	Th-232	0.831	0.009	0.048	3.1	0.00 - 0.50
5B-00291	20104	Th-234	1.18 R	0.13	0.074	3.19	0.00 - 0.50
5B-00291	20104	Tl-208	0.316	0.013	0.013	0.937	0.00 - 0.50
5B-00291	20104	Tm-171	0.04 U J	5	1.5	72.4	0.00 - 0.50
5B-00291	20104	U-233/234	0.727	0.001	0.036	2.02	0.00 - 0.50
5B-00291	20104	U-235/236	0.0306	0.0018	0.0047	0.151	0.00 - 0.50
5B-00291	20104	U-238	0.76	0.006	0.038	1.8	0.00 - 0.50
5B-00292	20105	Ac-227	0.024 U	0.12	0.035	0.217	0.00 - 0.50
5B-00292	20105	Ac-228	0.794	0.067	0.031	2.4	0.00 - 0.50
5B-00292	20105	Am-241	0.0076	0.008	0.0033	0.0454	0.00 - 0.50
5B-00292	20105	Bi-212	0.679	0.11	0.07	2.15	0.00 - 0.50
5B-00292	20105	Bi-214	0.768	0.021	0.03	1.59	0.00 - 0.50
5B-00292	20105	C-14	0.022	0.033	0.01	2.96	0.00 - 0.50
5B-00292	20105	Cd-113m	25	28	12	3030	0.00 - 0.50
5B-00292	20105	Cm-243/244	-0.005 U	0.015	0.0031	0.0443	0.00 - 0.50
5B-00292	20105	Cm-245/246	0.0051 J	0.0017	0.0018	0.0401	0.00 - 0.50
5B-00292	20105	Cm-247/248	0.0006 U	0.0017	0.0006	0.0306	0.00 - 0.50
5B-00292	20105	Co-60	0.0034 U	0.016	0.0019	0.028	0.00 - 0.50
5B-00292	20105	Cs-134	0.0147 U	0.045	0.0072	0.0864	0.00 - 0.50
5B-00292	20105	Cs-137	-1E-04 U	0.012	0.0037	0.207	0.00 - 0.50
5B-00292	20105	Eu-152	-0.016 U	0.031	0.0094	0.0566	0.00 - 0.50
5B-00292	20105	Eu-154	0.009 U	0.086	0.01	0.15	0.00 - 0.50
5B-00292	20105	Eu-155	0.061 SK	0.028	0.012	0.231	0.00 - 0.50
5B-00292	20105	H-3	-0.019 U	0.18	0.054	11.9	0.00 - 0.50
5B-00292	20105	Ho-166m	0.0135 SK	0.019	0.0027	0.0432	0.00 - 0.50
5B-00292	20105	K-40	22.1	0.14	0.73	32.4	0.00 - 0.50
5B-00292	20105	Na-22	0.0056 U	0.02	0.006	0.037	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00292	20105	Nb-94	0.0054 SK	0.011	0.0033	0.0214	0.00 - 0.50
5B-00292	20105	Ni-59	0 U	0.17	0.054	5.96	0.00 - 0.50
5B-00292	20105	Ni-63	-0.07 U	0.65	0.19	4.92	0.00 - 0.50
5B-00292	20105	Np-236	-3E-04 U	0.022	0.0066	0.047	0.00 - 0.50
5B-00292	20105	Np-239	-0.003 U	0.064	0.019	0.139	0.00 - 0.50
5B-00292	20105	Pa-231	-0.02 U	0.42	0.13	0.936	0.00 - 0.50
5B-00292	20105	Pb-212	0.943	0.026	0.051	2.69	0.00 - 0.50
5B-00292	20105	Pb-214	0.862	0.023	0.033	1.7	0.00 - 0.50
5B-00292	20105	Pu-236	-0.001 U	0.0053	0.0009	7.79	0.00 - 0.50
5B-00292	20105	Pu-238	0.0006 U	0.0041	0.001	0.0415	0.00 - 0.50
5B-00292	20105	Pu-239/240	0.0011 U	0.0015	0.0008	0.0404	0.00 - 0.50
5B-00292	20105	Pu-244	0.0017	0.0015	0.001	0.0313	0.00 - 0.50
5B-00292	20105	Sb-125	0.0881 SK	0.033	0.0083	0.354	0.00 - 0.50
5B-00292	20105	Sn-126	0.0062	0.009	0.0028	0.0237	0.00 - 0.50
5B-00292	20105	Sr-90	0.027 U	0.06	0.018	0.485	0.00 - 0.50
5B-00292	20105	Tc-99	-0.06 U	0.28	0.085	1.63	0.00 - 0.50
5B-00292	20105	Te-125m	0.0204 SK	0.0076	0.0019	0.0838	0.00 - 0.50
5B-00292	20105	Th-228	0.791	0.007	0.041	3.98	0.00 - 0.50
5B-00292	20105	Th-229	0.0045	0.007	0.0025	0.145	0.00 - 0.50
5B-00292	20105	Th-230	0.86	0.009	0.044	2.2	0.00 - 0.50
5B-00292	20105	Th-232	0.832	0.002	0.043	3.1	0.00 - 0.50
5B-00292	20105	Th-234	1.17 R	0.13	0.074	3.19	0.00 - 0.50
5B-00292	20105	Tl-208	0.298	0.013	0.013	0.937	0.00 - 0.50
5B-00292	20105	Tm-171	-3.5 L U J	4.4	1.4	72.4	0.00 - 0.50
5B-00292	20105	U-233/234	0.766	0.01	0.046	2.02	0.00 - 0.50
5B-00292	20105	U-235/236	0.0409	0.0046	0.0085	0.151	0.00 - 0.50
5B-00292	20105	U-238	0.927	0.013	0.053	1.8	0.00 - 0.50
5B-00293	20108	Ac-227	0.013 U	0.11	0.032	0.217	0.00 - 0.50
5B-00293	20108	Ac-228	1.01	0.055	0.033	2.4	0.00 - 0.50
5B-00293	20108	Am-241	0.0034	0.006	0.002	0.0454	0.00 - 0.50
5B-00293	20108	Bi-212	0.761	0.096	0.057	2.15	0.00 - 0.50
5B-00293	20108	Bi-214	0.851	0.02	0.029	1.59	0.00 - 0.50
5B-00293	20108	C-14	0.027	0.041	0.013	2.96	0.00 - 0.50
5B-00293	20108	Cd-113m	10.4 U	31	9.5	3030	0.00 - 0.50
5B-00293	20108	Cm-243/244	0.0027 U	0.011	0.0032	0.0443	0.00 - 0.50
5B-00293	20108	Cm-245/246	0.0043 J	0.0075	0.0027	0.0401	0.00 - 0.50
5B-00293	20108	Cm-247/248	0.0005 U	0.0073	0.0015	0.0306	0.00 - 0.50
5B-00293	20108	Co-60	0.0036 U	0.013	0.003	0.028	0.00 - 0.50
5B-00293	20108	Cs-134	-1E-04 U	0.035	0.0001	0.0864	0.00 - 0.50
5B-00293	20108	Cs-137	-0.005 U	0.012	0.0035	0.207	0.00 - 0.50
5B-00293	20108	Eu-152	0.0008 U	0.029	0.008	0.0566	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00293	20108	Eu-154	-0.005 U	0.075	0.0079	0.15	0.00 - 0.50
5B-00293	20108	Eu-155	0.059 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00293	20108	H-3	0.009 U	0.2	0.061	11.9	0.00 - 0.50
5B-00293	20108	Ho-166m	0.0047 U J	0.018	0.0038	0.0432	0.00 - 0.50
5B-00293	20108	K-40	21.5	0.11	0.64	32.4	0.00 - 0.50
5B-00293	20108	Na-22	-0.003 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00293	20108	Nb-94	0.0048 U	0.01	0.0031	0.0214	0.00 - 0.50
5B-00293	20108	Ni-59	0 U	0.21	0.072	5.96	0.00 - 0.50
5B-00293	20108	Ni-63	-0.07 U	0.42	0.13	4.92	0.00 - 0.50
5B-00293	20108	Np-236	-0.01 U	0.024	0.0074	0.047	0.00 - 0.50
5B-00293	20108	Np-239	-0.001 U	0.067	0.02	0.139	0.00 - 0.50
5B-00293	20108	Pa-231	0.01 U	0.45	0.14	0.936	0.00 - 0.50
5B-00293	20108	Pb-212	1.25	0.019	0.051	2.69	0.00 - 0.50
5B-00293	20108	Pb-214	0.95	0.022	0.032	1.7	0.00 - 0.50
5B-00293	20108	Pu-236	-8E-04 U	0.0047	0.001	7.79	0.00 - 0.50
5B-00293	20108	Pu-238	-8E-04 U	0.0051	0.0012	0.0415	0.00 - 0.50
5B-00293	20108	Pu-239/240	0.0008 U	0.0011	0.0006	0.0404	0.00 - 0.50
5B-00293	20108	Pu-244	0.0016	0.0011	0.0008	0.0313	0.00 - 0.50
5B-00293	20108	Sb-125	0.078 SK	0.03	0.0062	0.354	0.00 - 0.50
5B-00293	20108	Sn-126	0.0001 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00293	20108	Sr-90	-0.023 U	0.068	0.019	0.485	0.00 - 0.50
5B-00293	20108	Tc-99	-0.026 U	0.32	0.098	1.63	0.00 - 0.50
5B-00293	20108	Te-125m	0.018 SK	0.007	0.0014	0.0838	0.00 - 0.50
5B-00293	20108	Th-228	0.995	0.019	0.054	3.98	0.00 - 0.50
5B-00293	20108	Th-229	0.0104	0.002	0.0028	0.145	0.00 - 0.50
5B-00293	20108	Th-230	1	0.003	0.055	2.2	0.00 - 0.50
5B-00293	20108	Th-232	0.981	0.003	0.054	3.1	0.00 - 0.50
5B-00293	20108	Th-234	1.36 R	0.12	0.072	3.19	0.00 - 0.50
5B-00293	20108	Tl-208	0.383	0.014	0.014	0.937	0.00 - 0.50
5B-00293	20108	Tm-171	0.3 U J	3.7	1.1	72.4	0.00 - 0.50
5B-00293	20108	U-233/234	0.893	0.009	0.05	2.02	0.00 - 0.50
5B-00293	20108	U-235/236	0.0422	0.0039	0.008	0.151	0.00 - 0.50
5B-00293	20108	U-238	0.88	0.009	0.049	1.8	0.00 - 0.50
5B-00294	20109	Ac-227	0.044 U	0.095	0.011	0.217	1.00 - 5.00
5B-00294	20109	Ac-228	0.829	0.049	0.029	2.4	1.00 - 5.00
5B-00294	20109	Am-241	0.0017 U	0.0081	0.0022	0.0454	1.00 - 5.00
5B-00294	20109	Bi-212	0.706	0.079	0.051	2.15	1.00 - 5.00
5B-00294	20109	Bi-214	0.613	0.017	0.024	1.59	1.00 - 5.00
5B-00294	20109	C-14	0.011 U	0.034	0.01	2.96	1.00 - 5.00
5B-00294	20109	Cd-113m	7 U	27	8.1	3030	1.00 - 5.00
5B-00294	20109	Cm-243/244	0.0017 U	0.0063	0.0018	0.0443	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00294	20109	Cm-245/246	-0.001 U	0.0058	0.001	0.0401	1.00 - 5.00
5B-00294	20109	Cm-247/248	0.003	0.0016	0.0014	0.0306	1.00 - 5.00
5B-00294	20109	Co-60	0.0038 U	0.011	0.0033	0.028	1.00 - 5.00
5B-00294	20109	Cs-134	0.0064 U J	0.033	0.0019	0.0864	1.00 - 5.00
5B-00294	20109	Cs-137	0.0046	0.0073	0.0022	0.207	1.00 - 5.00
5B-00294	20109	Eu-152	-0.012 U	0.025	0.0076	0.0566	1.00 - 5.00
5B-00294	20109	Eu-154	-0.018 U	0.066	0.02	0.15	1.00 - 5.00
5B-00294	20109	Eu-155	0.057 SK	0.025	0.011	0.231	1.00 - 5.00
5B-00294	20109	H-3	-0.027 U	0.19	0.055	11.9	1.00 - 5.00
5B-00294	20109	Ho-166m	0.0072 U	0.015	0.0062	0.0432	1.00 - 5.00
5B-00294	20109	K-40	19	0.1	0.63	32.4	1.00 - 5.00
5B-00294	20109	Na-22	0.001 U J	0.015	0.0044	0.037	1.00 - 5.00
5B-00294	20109	Nb-94	0.0055 SK	0.0083	0.0025	0.0214	1.00 - 5.00
5B-00294	20109	Ni-59	0 U	0.66	0.14	5.96	1.00 - 5.00
5B-00294	20109	Ni-63	0.62	0.77	0.23	4.92	1.00 - 5.00
5B-00294	20109	Np-236	-4E-04 U	0.021	0.0064	0.047	1.00 - 5.00
5B-00294	20109	Np-239	0.011 U	0.059	0.018	0.139	1.00 - 5.00
5B-00294	20109	Pa-231	0.11 U	0.4	0.12	0.936	1.00 - 5.00
5B-00294	20109	Pb-212	1.02	0.015	0.054	2.69	1.00 - 5.00
5B-00294	20109	Pb-214	0.701	0.017	0.027	1.7	1.00 - 5.00
5B-00294	20109	Pu-236	0.0007 U	0.006	0.0014	7.79	1.00 - 5.00
5B-00294	20109	Pu-238	0.0036	0.0049	0.0019	0.0415	1.00 - 5.00
5B-00294	20109	Pu-239/240	0.0012 U	0.0049	0.0013	0.0404	1.00 - 5.00
5B-00294	20109	Pu-244	0.0025	0.0022	0.0014	0.0313	1.00 - 5.00
5B-00294	20109	Sb-125	0.0947 SK	0.025	0.0076	0.354	1.00 - 5.00
5B-00294	20109	Sn-126	0 U	0.0093	0.0024	0.0237	1.00 - 5.00
5B-00294	20109	Sr-90	0.007 U	0.051	0.015	0.485	1.00 - 5.00
5B-00294	20109	Tc-99	-0.027 U	0.33	0.099	1.63	1.00 - 5.00
5B-00294	20109	Te-125m	0.0219 SK	0.0059	0.0017	0.0838	1.00 - 5.00
5B-00294	20109	Th-228	1.01	0.014	0.052	3.98	1.00 - 5.00
5B-00294	20109	Th-229	0.0123	0.0026	0.0035	0.145	1.00 - 5.00
5B-00294	20109	Th-230	0.871	0.002	0.046	2.2	1.00 - 5.00
5B-00294	20109	Th-232	0.92	0.007	0.048	3.1	1.00 - 5.00
5B-00294	20109	Th-234	1.07	0.1	0.062	3.19	1.00 - 5.00
5B-00294	20109	Tl-208	0.314	0.012	0.013	0.937	1.00 - 5.00
5B-00294	20109	Tm-171	-1.6 U J	3.7	1.1	72.4	1.00 - 5.00
5B-00294	20109	U-233/234	0.679	0.012	0.04	2.02	1.00 - 5.00
5B-00294	20109	U-235/236	0.0517	0.01	0.0089	0.151	1.00 - 5.00
5B-00294	20109	U-238	0.771	0.003	0.043	1.8	1.00 - 5.00
5B-00294	20110	Ac-227	0.041 U	0.11	0.045	0.217	0.00 - 0.50
5B-00294	20110	Ac-228	1.14	0.054	0.037	2.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00294	20110	Am-241	0 U	0.0087	0.002	0.0454	0.00 - 0.50
5B-00294	20110	Bi-212	0.874	0.1	0.064	2.15	0.00 - 0.50
5B-00294	20110	Bi-214	0.794	0.02	0.027	1.59	0.00 - 0.50
5B-00294	20110	C-14	0.0319	0.029	0.0092	2.96	0.00 - 0.50
5B-00294	20110	Cd-113m	0.8 U	32	9.5	3030	0.00 - 0.50
5B-00294	20110	Cm-243/244	0.0009 U	0.01	0.0026	0.0443	0.00 - 0.50
5B-00294	20110	Cm-245/246	0.0029 J	0.0054	0.0018	0.0401	0.00 - 0.50
5B-00294	20110	Cm-247/248	0 U	0.0019	0.0008	0.0306	0.00 - 0.50
5B-00294	20110	Co-60	-0.004 U	0.013	0.004	0.028	0.00 - 0.50
5B-00294	20110	Cs-134	0.0151 SK	0.0068	0.0023	0.0864	0.00 - 0.50
5B-00294	20110	Cs-137	0 U	0.009	0.0027	0.207	0.00 - 0.50
5B-00294	20110	Eu-152	0.028	0.028	0.011	0.0566	0.00 - 0.50
5B-00294	20110	Eu-154	0.023 U	0.071	0.021	0.15	0.00 - 0.50
5B-00294	20110	Eu-155	0.071 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00294	20110	H-3	-0.026 U	0.19	0.057	11.9	0.00 - 0.50
5B-00294	20110	Ho-166m	0.0115 SK	0.017	0.0068	0.0432	0.00 - 0.50
5B-00294	20110	K-40	20.7	0.11	0.61	32.4	0.00 - 0.50
5B-00294	20110	Na-22	-0.001 U	0.015	0.0045	0.037	0.00 - 0.50
5B-00294	20110	Nb-94	0.0025 U	0.01	0.0031	0.0214	0.00 - 0.50
5B-00294	20110	Ni-59	0 U	0.16	0.043	5.96	0.00 - 0.50
5B-00294	20110	Ni-63	0.11 U	0.6	0.18	4.92	0.00 - 0.50
5B-00294	20110	Np-236	0 U	0.025	0.0074	0.047	0.00 - 0.50
5B-00294	20110	Np-239	-0.024 U	0.068	0.021	0.139	0.00 - 0.50
5B-00294	20110	Pa-231	0.02 U	0.44	0.13	0.936	0.00 - 0.50
5B-00294	20110	Pb-212	1.42	0.019	0.057	2.69	0.00 - 0.50
5B-00294	20110	Pb-214	0.89	0.021	0.03	1.7	0.00 - 0.50
5B-00294	20110	Pu-236	0.0006 U	0.0015	0.0005	7.79	0.00 - 0.50
5B-00294	20110	Pu-238	0.0011 U	0.0058	0.0016	0.0415	0.00 - 0.50
5B-00294	20110	Pu-239/240	0.0005 U	0.0015	0.0005	0.0404	0.00 - 0.50
5B-00294	20110	Pu-244	0.0016	0.0015	0.0009	0.0313	0.00 - 0.50
5B-00294	20110	Sb-125	0.0939 SK	0.026	0.0065	0.354	0.00 - 0.50
5B-00294	20110	Sn-126	-0.003 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00294	20110	Sr-90	0.023 U	0.05	0.015	0.485	0.00 - 0.50
5B-00294	20110	Tc-99	-0.093 U	0.29	0.088	1.63	0.00 - 0.50
5B-00294	20110	Te-125m	0.0217 SK	0.0061	0.0015	0.0838	0.00 - 0.50
5B-00294	20110	Th-228	1.25	0.013	0.063	3.98	0.00 - 0.50
5B-00294	20110	Th-229	0.0045	0.0081	0.0028	0.145	0.00 - 0.50
5B-00294	20110	Th-230	0.871	0.003	0.046	2.2	0.00 - 0.50
5B-00294	20110	Th-232	1.2	0.009	0.061	3.1	0.00 - 0.50
5B-00294	20110	Th-234	1.28 R	0.12	0.07	3.19	0.00 - 0.50
5B-00294	20110	Tl-208	0.423	0.013	0.015	0.937	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00294	20110	Tm-171	0.8 U J	3.5	1.1	72.4	0.00 - 0.50
5B-00294	20110	U-233/234	0.79	0.01	0.046	2.02	0.00 - 0.50
5B-00294	20110	U-235/236	0.0404	0.0044	0.0083	0.151	0.00 - 0.50
5B-00294	20110	U-238	0.789	0.012	0.046	1.8	0.00 - 0.50
5B-00295	20111	Ac-227	0.076	0.073	0.015	0.217	1.00 - 5.00
5B-00295	20111	Ac-228	1.24	0.059	0.043	2.4	1.00 - 5.00
5B-00295	20111	Am-241	0.0048	0.0022	0.002	0.0454	1.00 - 5.00
5B-00295	20111	Bi-212	1	0.11	0.071	2.15	1.00 - 5.00
5B-00295	20111	Bi-214	0.717	0.017	0.027	1.59	1.00 - 5.00
5B-00295	20111	Cd-113m	-0.7 U	31	9.5	3030	1.00 - 5.00
5B-00295	20111	Cm-243/244	0 U	0.0057	0.0012	0.0443	1.00 - 5.00
5B-00295	20111	Cm-245/246	0.0028 J K	0.007	0.0022	0.0401	1.00 - 5.00
5B-00295	20111	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	1.00 - 5.00
5B-00295	20111	Co-60	0.0001 U	0.014	0.0042	0.028	1.00 - 5.00
5B-00295	20111	Cs-134	0.0171 U	0.037	0.0055	0.0864	1.00 - 5.00
5B-00295	20111	Cs-137	-0.005 U	0.012	0.0035	0.207	1.00 - 5.00
5B-00295	20111	Eu-152	-0.007 U	0.029	0.0088	0.0566	1.00 - 5.00
5B-00295	20111	Eu-154	-0.001 U	0.068	0.02	0.15	1.00 - 5.00
5B-00295	20111	Eu-155	0.068 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00295	20111	Ho-166m	0.0088 SK	0.013	0.0047	0.0432	1.00 - 5.00
5B-00295	20111	K-40	19.9	0.13	0.66	32.4	1.00 - 5.00
5B-00295	20111	Na-22	-0.007 U	0.018	0.0054	0.037	1.00 - 5.00
5B-00295	20111	Nb-94	0.0051 SK	0.0081	0.0025	0.0214	1.00 - 5.00
5B-00295	20111	Np-236	-0.005 U	0.025	0.0076	0.047	1.00 - 5.00
5B-00295	20111	Np-239	-0.013 U	0.054	0.016	0.139	1.00 - 5.00
5B-00295	20111	Pa-231	0.03 U	0.41	0.12	0.936	1.00 - 5.00
5B-00295	20111	Pb-212	1.55 J	0.018	0.082	2.69	1.00 - 5.00
5B-00295	20111	Pb-214	0.793	0.021	0.03	1.7	1.00 - 5.00
5B-00295	20111	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 5.00
5B-00295	20111	Pu-238	0.0008 U	0.0021	0.0008	0.0415	1.00 - 5.00
5B-00295	20111	Pu-239/240	0.0031	0.0021	0.0015	0.0404	1.00 - 5.00
5B-00295	20111	Pu-244	0.003	0.0021	0.0015	0.0313	1.00 - 5.00
5B-00295	20111	Sb-125	0.03 L R	0.024	0.01	0.354	1.00 - 5.00
5B-00295	20111	Sn-126	0.0029 U	0.012	0.0035	0.0237	1.00 - 5.00
5B-00295	20111	Sr-90	0.0063 U	0.03	0.0087	0.485	1.00 - 5.00
5B-00295	20111	Te-125m	0.0068 L R	0.0056	0.0024	0.0838	1.00 - 5.00
5B-00295	20111	Th-228	1.36	0.015	0.066	3.98	1.00 - 5.00
5B-00295	20111	Th-229	0.002 U	0.013	0.0036	0.145	1.00 - 5.00
5B-00295	20111	Th-230	0.906	0.006	0.047	2.2	1.00 - 5.00
5B-00295	20111	Th-232	1.27	0.002	0.062	3.1	1.00 - 5.00
5B-00295	20111	Th-234	0.417 R	0.13	0.043	3.19	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00295	20111	Tl-208	0.467	0.013	0.018	0.937	1.00 - 5.00
5B-00295	20111	Tm-171	-3.6 U	4.7	1.4	72.4	1.00 - 5.00
5B-00295	20112	Ac-227	0.035 U	0.14	0.018	0.217	0.00 - 0.50
5B-00295	20112	Ac-228	1.2	0.093	0.043	2.4	0.00 - 0.50
5B-00295	20112	Am-241	0.0016 U	0.006	0.0017	0.0454	0.00 - 0.50
5B-00295	20112	Bi-212	1.01	0.14	0.081	2.15	0.00 - 0.50
5B-00295	20112	Bi-214	0.824	0.025	0.03	1.59	0.00 - 0.50
5B-00295	20112	Cd-113m	-8 U	41	12	3030	0.00 - 0.50
5B-00295	20112	Cm-243/244	-0.003 U	0.011	0.0025	0.0443	0.00 - 0.50
5B-00295	20112	Cm-245/246	-0.003 U J	0.0097	0.0017	0.0401	0.00 - 0.50
5B-00295	20112	Cm-247/248	-0.004 U	0.012	0.0022	0.0306	0.00 - 0.50
5B-00295	20112	Co-60	-0.001 U	0.021	0.0063	0.028	0.00 - 0.50
5B-00295	20112	Cs-134	0.0158 SK	0.028	0.0045	0.0864	0.00 - 0.50
5B-00295	20112	Cs-137	-0.001 U	0.017	0.0054	0.207	0.00 - 0.50
5B-00295	20112	Eu-152	0.011 U	0.04	0.018	0.0566	0.00 - 0.50
5B-00295	20112	Eu-154	0.034 U J	0.11	0.015	0.15	0.00 - 0.50
5B-00295	20112	Eu-155	0.057 SK	0.04	0.012	0.231	0.00 - 0.50
5B-00295	20112	H-3	0.047 U	0.23	0.068	11.9	0.00 - 0.50
5B-00295	20112	Ho-166m	0.0128 SK	0.024	0.008	0.0432	0.00 - 0.50
5B-00295	20112	K-40	20.1	0.14	0.61	32.4	0.00 - 0.50
5B-00295	20112	Na-22	0.021	0.017	0.0077	0.037	0.00 - 0.50
5B-00295	20112	Nb-94	0.0052 U	0.015	0.0028	0.0214	0.00 - 0.50
5B-00295	20112	Ni-59	0 U	0.2	0.054	5.96	0.00 - 0.50
5B-00295	20112	Ni-63	-0.2 U	0.49	0.14	4.92	0.00 - 0.50
5B-00295	20112	Np-236	-0.006 U	0.029	0.0088	0.047	0.00 - 0.50
5B-00295	20112	Np-239	0.0005 U	0.094	0.028	0.139	0.00 - 0.50
5B-00295	20112	Pa-231	0.29	0.42	0.15	0.936	0.00 - 0.50
5B-00295	20112	Pb-212	1.55	0.027	0.064	2.69	0.00 - 0.50
5B-00295	20112	Pb-214	0.923	0.03	0.032	1.7	0.00 - 0.50
5B-00295	20112	Pu-236	0 U	0.0019	0.0006	7.79	0.00 - 0.50
5B-00295	20112	Pu-238	0 U	0.0019	0.0006	0.0415	0.00 - 0.50
5B-00295	20112	Pu-239/240	-4E-04 U	0.0042	0.0005	0.0404	0.00 - 0.50
5B-00295	20112	Pu-244	0.0014	0.0019	0.001	0.0313	0.00 - 0.50
5B-00295	20112	Sb-125	0.15 SK	0.045	0.013	0.354	0.00 - 0.50
5B-00295	20112	Sn-126	-3E-04 U	0.018	0.0053	0.0237	0.00 - 0.50
5B-00295	20112	Sr-90	0.03	0.038	0.012	0.485	0.00 - 0.50
5B-00295	20112	Te-125m	0.0347 SK	0.01	0.003	0.0838	0.00 - 0.50
5B-00295	20112	Th-228	1.04	0.016	0.053	3.98	0.00 - 0.50
5B-00295	20112	Th-229	0.0064	0.0099	0.0035	0.145	0.00 - 0.50
5B-00295	20112	Th-230	0.712	0.006	0.039	2.2	0.00 - 0.50
5B-00295	20112	Th-232	0.984	0.006	0.05	3.1	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00295	20112	Th-234	0.297	0.17	0.053	3.19	0.00 - 0.50
5B-00295	20112	Tl-208	0.479	0.016	0.018	0.937	0.00 - 0.50
5B-00295	20112	Tm-171	1 U J	4.3	1.3	72.4	0.00 - 0.50
5B-00295	20112	U-233/234	0.911	0.004	0.053	2.02	0.00 - 0.50
5B-00295	20112	U-233/234	0.841	0.004	0.049	2.02	0.00 - 0.50
5B-00295	20112	U-235/236	0.0462	0.016	0.0097	0.151	0.00 - 0.50
5B-00295	20112	U-235/236	0.05	0.017	0.011	0.151	0.00 - 0.50
5B-00295	20112	U-238	0.873	0.013	0.05	1.8	0.00 - 0.50
5B-00295	20112	U-238	0.947	0.014	0.055	1.8	0.00 - 0.50
5B-00296	20113	Ac-227	0.043 U	0.1	0.033	0.217	1.00 - 5.00
5B-00296	20113	Ac-228	0.974	0.063	0.036	2.4	1.00 - 5.00
5B-00296	20113	Am-241	0.0009 U	0.0023	0.0009	0.0454	1.00 - 5.00
5B-00296	20113	Bi-212	0.812	0.088	0.055	2.15	1.00 - 5.00
5B-00296	20113	Bi-214	0.71	0.016	0.027	1.59	1.00 - 5.00
5B-00296	20113	Cd-113m	0.4 U	29	8.8	3030	1.00 - 5.00
5B-00296	20113	Cm-243/244	0.0017 U	0.0023	0.0012	0.0443	1.00 - 5.00
5B-00296	20113	Cm-245/246	0.0007 U	0.0065	0.0016	0.0401	1.00 - 5.00
5B-00296	20113	Cm-247/248	-7E-04 U	0.005	0.0008	0.0306	1.00 - 5.00
5B-00296	20113	Co-60	-0.002 U	0.013	0.0038	0.028	1.00 - 5.00
5B-00296	20113	Cs-134	0.0096 U	0.03	0.0028	0.0864	1.00 - 5.00
5B-00296	20113	Cs-137	0.0011 U	0.011	0.0033	0.207	1.00 - 5.00
5B-00296	20113	Eu-152	0.004 U	0.027	0.01	0.0566	1.00 - 5.00
5B-00296	20113	Eu-154	0.017 U	0.063	0.013	0.15	1.00 - 5.00
5B-00296	20113	Eu-155	0.059 SK	0.027	0.011	0.231	1.00 - 5.00
5B-00296	20113	Ho-166m	0.0062 U	0.017	0.0063	0.0432	1.00 - 5.00
5B-00296	20113	K-40	20.2	0.12	0.67	32.4	1.00 - 5.00
5B-00296	20113	Na-22	0.0025 U	0.01	0.003	0.037	1.00 - 5.00
5B-00296	20113	Nb-94	0.004 U	0.0091	0.0021	0.0214	1.00 - 5.00
5B-00296	20113	Np-236	0.0009 U	0.024	0.0071	0.047	1.00 - 5.00
5B-00296	20113	Np-239	0.011 U	0.067	0.02	0.139	1.00 - 5.00
5B-00296	20113	Pa-231	0.202	0.27	0.073	0.936	1.00 - 5.00
5B-00296	20113	Pb-212	1.25 J	0.018	0.066	2.69	1.00 - 5.00
5B-00296	20113	Pb-214	0.785	0.02	0.03	1.7	1.00 - 5.00
5B-00296	20113	Pu-236	0 U	0.0022	0.0007	7.79	1.00 - 5.00
5B-00296	20113	Pu-238	-0.001 U	0.0074	0.0014	0.0415	1.00 - 5.00
5B-00296	20113	Pu-239/240	0.0049	0.0022	0.002	0.0404	1.00 - 5.00
5B-00296	20113	Pu-244	0.0032	0.0022	0.0016	0.0313	1.00 - 5.00
5B-00296	20113	Sb-125	0.101 SK	0.029	0.0073	0.354	1.00 - 5.00
5B-00296	20113	Sn-126	0.0003 U	0.011	0.0031	0.0237	1.00 - 5.00
5B-00296	20113	Sr-90	-0.001 U	0.034	0.0099	0.485	1.00 - 5.00
5B-00296	20113	Te-125m	0.0233 SK	0.0068	0.0017	0.0838	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00296	20113	Th-228	1.09	0.015	0.054	3.98	1.00 - 5.00
5B-00296	20113	Th-229	0.0093	0.0057	0.0029	0.145	1.00 - 5.00
5B-00296	20113	Th-230	0.926	0.007	0.047	2.2	1.00 - 5.00
5B-00296	20113	Th-232	1.07	0.002	0.053	3.1	1.00 - 5.00
5B-00296	20113	Th-234	1.23 R	0.11	0.071	3.19	1.00 - 5.00
5B-00296	20113	Tl-208	0.379	0.013	0.015	0.937	1.00 - 5.00
5B-00296	20113	Tm-171	-2.2 U	4.9	1.5	72.4	1.00 - 5.00
5B-00296	20114	Ac-227	0.031 U	0.13	0.028	0.217	0.00 - 0.50
5B-00296	20114	Ac-228	1.14	0.085	0.04	2.4	0.00 - 0.50
5B-00296	20114	Am-241	0 U	0.0022	0.0009	0.0454	0.00 - 0.50
5B-00296	20114	Bi-212	0.967	0.13	0.077	2.15	0.00 - 0.50
5B-00296	20114	Bi-214	0.832	0.024	0.03	1.59	0.00 - 0.50
5B-00296	20114	Cd-113m	33	34	15	3030	0.00 - 0.50
5B-00296	20114	Cm-243/244	0.0008 U	0.0021	0.0008	0.0443	0.00 - 0.50
5B-00296	20114	Cm-245/246	0.0017 U J	0.0023	0.0012	0.0401	0.00 - 0.50
5B-00296	20114	Cm-247/248	0.0008 U	0.0022	0.0008	0.0306	0.00 - 0.50
5B-00296	20114	Co-60	-0.002 U	0.02	0.0058	0.028	0.00 - 0.50
5B-00296	20114	Cs-134	-0.001 U	0.051	0.015	0.0864	0.00 - 0.50
5B-00296	20114	Cs-137	0.0064	0.013	0.0039	0.207	0.00 - 0.50
5B-00296	20114	Eu-152	0.007 U	0.038	0.014	0.0566	0.00 - 0.50
5B-00296	20114	Eu-154	0.013 U J	0.1	0.024	0.15	0.00 - 0.50
5B-00296	20114	Eu-155	0.075 SK	0.031	0.012	0.231	0.00 - 0.50
5B-00296	20114	H-3	0.115	0.22	0.066	11.9	0.00 - 0.50
5B-00296	20114	Ho-166m	0.0077 U	0.026	0.0072	0.0432	0.00 - 0.50
5B-00296	20114	K-40	20.6	0.15	0.63	32.4	0.00 - 0.50
5B-00296	20114	Na-22	-0.003 U	0.025	0.0076	0.037	0.00 - 0.50
5B-00296	20114	Nb-94	0.0031 U	0.013	0.004	0.0214	0.00 - 0.50
5B-00296	20114	Ni-59	0 U	0.24	0.067	5.96	0.00 - 0.50
5B-00296	20114	Ni-63	-0.1 U	0.58	0.17	4.92	0.00 - 0.50
5B-00296	20114	Np-236	0.0003 U	0.03	0.0091	0.047	0.00 - 0.50
5B-00296	20114	Np-239	0.031 U	0.084	0.025	0.139	0.00 - 0.50
5B-00296	20114	Pa-231	0.02 U	0.58	0.18	0.936	0.00 - 0.50
5B-00296	20114	Pb-212	1.46	0.022	0.06	2.69	0.00 - 0.50
5B-00296	20114	Pb-214	0.931	0.024	0.031	1.7	0.00 - 0.50
5B-00296	20114	Pu-236	0 U	0.0022	0.0007	7.79	0.00 - 0.50
5B-00296	20114	Pu-238	0.0008 U	0.0022	0.0008	0.0415	0.00 - 0.50
5B-00296	20114	Pu-239/240	0 U	0.0022	0.0007	0.0404	0.00 - 0.50
5B-00296	20114	Pu-244	0.0032	0.0022	0.0016	0.0313	0.00 - 0.50
5B-00296	20114	Sb-125	0.147 SK	0.041	0.012	0.354	0.00 - 0.50
5B-00296	20114	Sn-126	0.0001 U	0.016	0.0047	0.0237	0.00 - 0.50
5B-00296	20114	Sr-90	0.009 U	0.042	0.013	0.485	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00296	20114	Te-125m	0.0339 SK	0.0094	0.0028	0.0838	0.00 - 0.50
5B-00296	20114	Th-228	1.17	0.018	0.06	3.98	0.00 - 0.50
5B-00296	20114	Th-229	0.0099	0.0091	0.004	0.145	0.00 - 0.50
5B-00296	20114	Th-230	0.902	0.003	0.049	2.2	0.00 - 0.50
5B-00296	20114	Th-232	1.14	0.007	0.059	3.1	0.00 - 0.50
5B-00296	20114	Th-234	0.341	0.16	0.049	3.19	0.00 - 0.50
5B-00296	20114	Tl-208	0.472	0.018	0.018	0.937	0.00 - 0.50
5B-00296	20114	Tm-171	-0.9 U J	6.2	1.9	72.4	0.00 - 0.50
5B-00296	20114	U-233/234	0.762	0.009	0.042	2.02	0.00 - 0.50
5B-00296	20114	U-235/236	0.0368	0.009	0.0071	0.151	0.00 - 0.50
5B-00296	20114	U-238	0.802	0.007	0.044	1.8	0.00 - 0.50
5B-00297	20115	Ac-227	0.041 U	0.11	0.033	0.217	1.00 - 5.00
5B-00297	20115	Ac-228	1.25	0.053	0.044	2.4	1.00 - 5.00
5B-00297	20115	Am-241	0.001 U	0.0028	0.001	0.0454	1.00 - 5.00
5B-00297	20115	Bi-212	1.02	0.1	0.067	2.15	1.00 - 5.00
5B-00297	20115	Bi-214	0.793	0.017	0.029	1.59	1.00 - 5.00
5B-00297	20115	C-14	0.0148	0.029	0.0089	2.96	1.00 - 5.00
5B-00297	20115	Cd-113m	-0.8 U	31	9.2	3030	1.00 - 5.00
5B-00297	20115	Cm-243/244	0 U	0.0028	0.0011	0.0443	1.00 - 5.00
5B-00297	20115	Cm-245/246	0.0028 U J	0.0038	0.002	0.0401	1.00 - 5.00
5B-00297	20115	Cm-247/248	0.0014 U	0.01	0.0025	0.0306	1.00 - 5.00
5B-00297	20115	Co-60	-0.003 U	0.014	0.0043	0.028	1.00 - 5.00
5B-00297	20115	Cs-134	0.0111 U J	0.037	0.0055	0.0864	1.00 - 5.00
5B-00297	20115	Cs-137	0.0029 U J	0.0066	0.002	0.207	1.00 - 5.00
5B-00297	20115	Eu-152	-0.014 U	0.028	0.0085	0.0566	1.00 - 5.00
5B-00297	20115	Eu-154	-0.013 U	0.071	0.021	0.15	1.00 - 5.00
5B-00297	20115	Eu-155	0.08 SK	0.027	0.012	0.231	1.00 - 5.00
5B-00297	20115	H-3	0.035	0.043	0.015	11.9	1.00 - 5.00
5B-00297	20115	Ho-166m	-1E-04 U	0.018	0.0001	0.0432	1.00 - 5.00
5B-00297	20115	K-40	19.5	0.1	0.64	32.4	1.00 - 5.00
5B-00297	20115	Na-22	-0.008 U	0.017	0.0052	0.037	1.00 - 5.00
5B-00297	20115	Nb-94	-7E-04 U	0.0092	0.0027	0.0214	1.00 - 5.00
5B-00297	20115	Ni-59	0 U	0.39	0.094	5.96	1.00 - 5.00
5B-00297	20115	Ni-63	0.24 U	0.69	0.21	4.92	1.00 - 5.00
5B-00297	20115	Np-236	-0.001 U	0.025	0.0076	0.047	1.00 - 5.00
5B-00297	20115	Np-239	-0.002 U	0.067	0.02	0.139	1.00 - 5.00
5B-00297	20115	Pa-231	0.176 U	0.43	0.086	0.936	1.00 - 5.00
5B-00297	20115	Pb-212	1.57	0.022	0.083	2.69	1.00 - 5.00
5B-00297	20115	Pb-214	0.919	0.018	0.034	1.7	1.00 - 5.00
5B-00297	20115	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 5.00
5B-00297	20115	Pu-238	0.0037	0.002	0.0017	0.0415	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00297	20115	Pu-239/240	0.003	0.002	0.0015	0.0404	1.00 - 5.00
5B-00297	20115	Pu-244	0.0006 U	0.0053	0.0013	0.0313	1.00 - 5.00
5B-00297	20115	Sb-125	0.0176 JSK	0.021	0.0077	0.354	1.00 - 5.00
5B-00297	20115	Sn-126	0.0007 U	0.011	0.0033	0.0237	1.00 - 5.00
5B-00297	20115	Sr-90	0.003 U	0.048	0.014	0.485	1.00 - 5.00
5B-00297	20115	Tc-99	0.144	0.28	0.087	1.63	1.00 - 5.00
5B-00297	20115	Te-125m	0.0041 JSK	0.0047	0.0018	0.0838	1.00 - 5.00
5B-00297	20115	Th-228	1.37	0.034	0.074	3.98	1.00 - 5.00
5B-00297	20115	Th-229	0.0047	0.01	0.0032	0.145	1.00 - 5.00
5B-00297	20115	Th-230	0.961	0.011	0.056	2.2	1.00 - 5.00
5B-00297	20115	Th-232	1.23	0.011	0.068	3.1	1.00 - 5.00
5B-00297	20115	Th-234	1.4 R	0.12	0.077	3.19	1.00 - 5.00
5B-00297	20115	Tl-208	0.484	0.013	0.018	0.937	1.00 - 5.00
5B-00297	20115	Tm-171	-3 U J	4.4	1.3	72.4	1.00 - 5.00
5B-00297	20115	U-233/234	0.785	0.003	0.038	2.02	1.00 - 5.00
5B-00297	20115	U-235/236	0.0457	0.0054	0.0056	0.151	1.00 - 5.00
5B-00297	20115	U-238	0.851	0.003	0.041	1.8	1.00 - 5.00
5B-00297	20116	Ac-227	0.033 U	0.14	0.016	0.217	0.00 - 0.50
5B-00297	20116	Ac-228	1.14	0.094	0.041	2.4	0.00 - 0.50
5B-00297	20116	Am-241	0.0028	0.0019	0.0014	0.0454	0.00 - 0.50
5B-00297	20116	Bi-212	0.996	0.12	0.069	2.15	0.00 - 0.50
5B-00297	20116	Bi-214	0.667	0.026	0.026	1.59	0.00 - 0.50
5B-00297	20116	Cd-113m	-6 U	40	12	3030	0.00 - 0.50
5B-00297	20116	Cm-243/244	0.0007 U	0.012	0.0034	0.0443	0.00 - 0.50
5B-00297	20116	Cm-245/246	0.0024 U J	0.0032	0.0017	0.0401	0.00 - 0.50
5B-00297	20116	Cm-247/248	0 U	0.0031	0.0013	0.0306	0.00 - 0.50
5B-00297	20116	Co-60	-0.006 U	0.02	0.0061	0.028	0.00 - 0.50
5B-00297	20116	Cs-134	-0.002 U	0.017	0.002	0.0864	0.00 - 0.50
5B-00297	20116	Cs-137	0.0021 U	0.019	0.0053	0.207	0.00 - 0.50
5B-00297	20116	Eu-152	0.003 U	0.038	0.011	0.0566	0.00 - 0.50
5B-00297	20116	Eu-154	0.003 U J	0.1	0.031	0.15	0.00 - 0.50
5B-00297	20116	Eu-155	0.075 SK	0.031	0.012	0.231	0.00 - 0.50
5B-00297	20116	H-3	0.073 U	0.22	0.067	11.9	0.00 - 0.50
5B-00297	20116	Ho-166m	0.0096 U	0.026	0.005	0.0432	0.00 - 0.50
5B-00297	20116	K-40	19.6	0.12	0.6	32.4	0.00 - 0.50
5B-00297	20116	Na-22	-4E-04 U	0.026	0.0077	0.037	0.00 - 0.50
5B-00297	20116	Nb-94	0.0057 U	0.014	0.003	0.0214	0.00 - 0.50
5B-00297	20116	Ni-59	0 U	0.37	0.1	5.96	0.00 - 0.50
5B-00297	20116	Ni-63	-0.12 U	0.71	0.21	4.92	0.00 - 0.50
5B-00297	20116	Np-236	-0.003 U	0.028	0.0085	0.047	0.00 - 0.50
5B-00297	20116	Np-239	-0.024 U	0.08	0.024	0.139	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00297	20116	Pa-231	-0.15 U	0.55	0.17	0.936	0.00 - 0.50
5B-00297	20116	Pb-212	1.5	0.026	0.062	2.69	0.00 - 0.50
5B-00297	20116	Pb-214	0.748	0.024	0.026	1.7	0.00 - 0.50
5B-00297	20116	Pu-236	0.0003 U	0.0052	0.001	7.79	0.00 - 0.50
5B-00297	20116	Pu-238	0.0009 U	0.0024	0.0009	0.0415	0.00 - 0.50
5B-00297	20116	Pu-239/240	0 U	0.0024	0.0008	0.0404	0.00 - 0.50
5B-00297	20116	Pu-244	0.0026	0.0023	0.0015	0.0313	0.00 - 0.50
5B-00297	20116	Sb-125	0.123 SK	0.042	0.011	0.354	0.00 - 0.50
5B-00297	20116	Sn-126	0.0005 U	0.017	0.005	0.0237	0.00 - 0.50
5B-00297	20116	Sr-90	0.0101 U R	0.032	0.0096	0.485	0.00 - 0.50
5B-00297	20116	Te-125m	0.0284 SK	0.0096	0.0026	0.0838	0.00 - 0.50
5B-00297	20116	Th-228	1.14	0.015	0.057	3.98	0.00 - 0.50
5B-00297	20116	Th-229	0.0018 U	0.0079	0.0022	0.145	0.00 - 0.50
5B-00297	20116	Th-230	0.762	0.006	0.041	2.2	0.00 - 0.50
5B-00297	20116	Th-232	1.07	0.006	0.054	3.1	0.00 - 0.50
5B-00297	20116	Th-234	0.232	0.16	0.048	3.19	0.00 - 0.50
5B-00297	20116	Tl-208	0.474	0.016	0.018	0.937	0.00 - 0.50
5B-00297	20116	Tm-171	-2.3 U J	5.6	1.7	72.4	0.00 - 0.50
5B-00297	20116	U-233/234	0.571	0.01	0.033	2.02	0.00 - 0.50
5B-00297	20116	U-235/236	0.0308	0.003	0.006	0.151	0.00 - 0.50
5B-00297	20116	U-238	0.623	0.002	0.035	1.8	0.00 - 0.50
5B-00298	20117	Ac-227	0.356	0.11	0.019	0.217	1.00 - 5.00
5B-00298	20117	Ac-228	1.18	0.062	0.042	2.4	1.00 - 5.00
5B-00298	20117	Am-241	0.0048	0.0074	0.0026	0.0454	1.00 - 5.00
5B-00298	20117	Bi-212	1.02	0.092	0.061	2.15	1.00 - 5.00
5B-00298	20117	Bi-214	0.834	0.018	0.031	1.59	1.00 - 5.00
5B-00298	20117	C-14	0.015 U	0.11	0.032	2.96	1.00 - 5.00
5B-00298	20117	Cd-113m	-8.7 U	32	9.7	3030	1.00 - 5.00
5B-00298	20117	Cm-243/244	0.0008 U	0.0084	0.0022	0.0443	1.00 - 5.00
5B-00298	20117	Cm-245/246	0.0034 J	0.0031	0.002	0.0401	1.00 - 5.00
5B-00298	20117	Cm-247/248	-0.001 U	0.0082	0.0012	0.0306	1.00 - 5.00
5B-00298	20117	Co-60	0.0001 U	0.014	0.0001	0.028	1.00 - 5.00
5B-00298	20117	Cs-134	0.0108 U	0.042	0.003	0.0864	1.00 - 5.00
5B-00298	20117	Cs-137	-1E-04 U	0.012	0.0036	0.207	1.00 - 5.00
5B-00298	20117	Eu-152	0.0074 U	0.03	0.0098	0.0566	1.00 - 5.00
5B-00298	20117	Eu-154	-0.002 U	0.074	0.0021	0.15	1.00 - 5.00
5B-00298	20117	Eu-155	0.071 SK	0.03	0.013	0.231	1.00 - 5.00
5B-00298	20117	H-3	0.102	0.2	0.061	11.9	1.00 - 5.00
5B-00298	20117	Ho-166m	0.0068 U	0.015	0.0049	0.0432	1.00 - 5.00
5B-00298	20117	K-40	19.7	0.12	0.65	32.4	1.00 - 5.00
5B-00298	20117	Na-22	-4E-04 U	0.015	0.0046	0.037	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00298	20117	Nb-94	0.0044 U	0.011	0.0032	0.0214	1.00 - 5.00
5B-00298	20117	Ni-59	0 U	0.13	0.054	5.96	1.00 - 5.00
5B-00298	20117	Ni-63	0.02 U	0.45	0.14	4.92	1.00 - 5.00
5B-00298	20117	Np-236	-0.007 U	0.025	0.0077	0.047	1.00 - 5.00
5B-00298	20117	Np-239	0.057	0.054	0.022	0.139	1.00 - 5.00
5B-00298	20117	Pa-231	-0.08 U	0.48	0.15	0.936	1.00 - 5.00
5B-00298	20117	Pb-212	1.55	0.02	0.082	2.69	1.00 - 5.00
5B-00298	20117	Pb-214	0.916	0.019	0.034	1.7	1.00 - 5.00
5B-00298	20117	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 5.00
5B-00298	20117	Pu-238	0.001 U	0.0043	0.0011	0.0415	1.00 - 5.00
5B-00298	20117	Pu-239/240	0.0036	0.0019	0.0016	0.0404	1.00 - 5.00
5B-00298	20117	Pu-244	0.0017	0.0042	0.0013	0.0313	1.00 - 5.00
5B-00298	20117	Sb-125	0.134 SK	0.033	0.0086	0.354	1.00 - 5.00
5B-00298	20117	Sn-126	-0.004 U	0.012	0.0037	0.0237	1.00 - 5.00
5B-00298	20117	Sr-90	0.033	0.041	0.013	0.485	1.00 - 5.00
5B-00298	20117	Tc-99	-0.052 U	0.28	0.083	1.63	1.00 - 5.00
5B-00298	20117	Te-125m	0.0309 SK	0.0076	0.002	0.0838	1.00 - 5.00
5B-00298	20117	Th-228	1.16	0.02	0.061	3.98	1.00 - 5.00
5B-00298	20117	Th-229	0.0087	0.0076	0.0032	0.145	1.00 - 5.00
5B-00298	20117	Th-230	0.875	0.008	0.048	2.2	1.00 - 5.00
5B-00298	20117	Th-232	1.11	0.008	0.058	3.1	1.00 - 5.00
5B-00298	20117	Th-234	1.45 JR	0.12	0.08	3.19	1.00 - 5.00
5B-00298	20117	Tl-208	0.473	0.014	0.018	0.937	1.00 - 5.00
5B-00298	20117	Tm-171	-4.5 R U	4.3	1.3	72.4	1.00 - 5.00
5B-00298	20117	U-233/234	0.775	0.013	0.041	2.02	1.00 - 5.00
5B-00298	20117	U-235/236	0.0394	0.0028	0.0066	0.151	1.00 - 5.00
5B-00298	20117	U-238	0.812	0.008	0.043	1.8	1.00 - 5.00
5B-00298	20118	Ac-227	0.041 U	0.13	0.061	0.217	0.10 - 0.60
5B-00298	20118	Ac-228	1.17	0.095	0.042	2.4	0.10 - 0.60
5B-00298	20118	Am-241	-0.001 U	0.009	0.0014	0.0454	0.10 - 0.60
5B-00298	20118	Bi-212	0.986	0.11	0.065	2.15	0.10 - 0.60
5B-00298	20118	Bi-214	0.697	0.027	0.027	1.59	0.10 - 0.60
5B-00298	20118	C-14	0.033	0.043	0.013	2.96	0.10 - 0.60
5B-00298	20118	Cd-113m	0 U	39	5.2	3030	0.10 - 0.60
5B-00298	20118	Cm-243/244	0 U	0.0033	0.0013	0.0443	0.10 - 0.60
5B-00298	20118	Cm-245/246	0.0034	0.0023	0.0017	0.0401	0.10 - 0.60
5B-00298	20118	Cm-247/248	0 U	0.0022	0.0009	0.0306	0.10 - 0.60
5B-00298	20118	Co-60	0.0072 U	0.018	0.0038	0.028	0.10 - 0.60
5B-00298	20118	Cs-134	0.0141 SK	0.015	0.0041	0.0864	0.10 - 0.60
5B-00298	20118	Cs-137	0.0154	0.017	0.0068	0.207	0.10 - 0.60
5B-00298	20118	Eu-152	0.009 U	0.035	0.012	0.0566	0.10 - 0.60

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00298	20118	Eu-154	-0.021 U	0.1	0.031	0.15	0.10 - 0.60
5B-00298	20118	Eu-155	0.06 SK	0.033	0.013	0.231	0.10 - 0.60
5B-00298	20118	H-3	0.021 U	0.18	0.054	11.9	0.10 - 0.60
5B-00298	20118	Ho-166m	0.0197 SK	0.024	0.0077	0.0432	0.10 - 0.60
5B-00298	20118	K-40	19.3	0.13	0.59	32.4	0.10 - 0.60
5B-00298	20118	Na-22	0.0016 U	0.025	0.0074	0.037	0.10 - 0.60
5B-00298	20118	Nb-94	0.0026 U	0.013	0.0028	0.0214	0.10 - 0.60
5B-00298	20118	Ni-59	0 U	0.14	0.037	5.96	0.10 - 0.60
5B-00298	20118	Ni-63	-0.23 U	0.53	0.16	4.92	0.10 - 0.60
5B-00298	20118	Np-236	-0.007 U	0.028	0.0083	0.047	0.10 - 0.60
5B-00298	20118	Np-239	0.008 U	0.081	0.024	0.139	0.10 - 0.60
5B-00298	20118	Pa-231	-0.01 U	0.48	0.14	0.936	0.10 - 0.60
5B-00298	20118	Pb-212	1.51	0.023	0.062	2.69	0.10 - 0.60
5B-00298	20118	Pb-214	0.77	0.025	0.028	1.7	0.10 - 0.60
5B-00298	20118	Pu-236	-5E-04 U	0.0047	0.0005	7.79	0.10 - 0.60
5B-00298	20118	Pu-238	0 U	0.0022	0.0007	0.0415	0.10 - 0.60
5B-00298	20118	Pu-239/240	0.0024	0.0022	0.0014	0.0404	0.10 - 0.60
5B-00298	20118	Pu-244	0.0016	0.0022	0.0011	0.0313	0.10 - 0.60
5B-00298	20118	Sb-125	0.125 SK	0.042	0.01	0.354	0.10 - 0.60
5B-00298	20118	Sn-126	0.0078	0.015	0.0046	0.0237	0.10 - 0.60
5B-00298	20118	Sr-90	0.02 U	0.044	0.013	0.485	0.10 - 0.60
5B-00298	20118	Tc-99	-0.048 U	0.32	0.097	1.63	0.10 - 0.60
5B-00298	20118	Te-125m	0.0289 SK	0.0096	0.0023	0.0838	0.10 - 0.60
5B-00298	20118	Th-228	1.17	0.025	0.061	3.98	0.10 - 0.60
5B-00298	20118	Th-229	0.0089	0.0059	0.0029	0.145	0.10 - 0.60
5B-00298	20118	Th-230	0.771	0.008	0.044	2.2	0.10 - 0.60
5B-00298	20118	Th-232	1.19	0.01	0.062	3.1	0.10 - 0.60
5B-00298	20118	Th-234	0.304 R	0.15	0.048	3.19	0.10 - 0.60
5B-00298	20118	Tl-208	0.482	0.018	0.019	0.937	0.10 - 0.60
5B-00298	20118	Tm-171	0.1 U	5.5	1.7	72.4	0.10 - 0.60
5B-00298	20118	U-233/234	0.579	0.009	0.036	2.02	0.10 - 0.60
5B-00298	20118	U-235/236	0.0371	0.011	0.008	0.151	0.10 - 0.60
5B-00298	20118	U-238	0.576	0.003	0.036	1.8	0.10 - 0.60
5B-00306	20120	Ac-227	0.011 U	0.11	0.02	0.217	0.00 - 0.50
5B-00306	20120	Ac-228	1.04	0.063	0.038	2.4	0.00 - 0.50
5B-00306	20120	Am-241	0.0042	0.0028	0.0021	0.0454	0.00 - 0.50
5B-00306	20120	Bi-212	0.792	0.094	0.056	2.15	0.00 - 0.50
5B-00306	20120	Bi-214	0.778	0.022	0.03	1.59	0.00 - 0.50
5B-00306	20120	C-14	0.031	0.05	0.015	2.96	0.00 - 0.50
5B-00306	20120	Cd-113m	-7.62 U	33	9.98	3030	0.00 - 0.50
5B-00306	20120	Cm-243/244	-0.007 U	0.018	0.0043	0.0443	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00306	20120	Cm-245/246	0.0021	0.0053	0.0016	0.0401	0.00 - 0.50
5B-00306	20120	Cm-247/248	-7E-04 U	0.0065	0.0013	0.0306	0.00 - 0.50
5B-00306	20120	Co-60	0.0004 U	0.015	0.0007	0.028	0.00 - 0.50
5B-00306	20120	Cs-134	0.0301 SK	0.0058	0.0025	0.0864	0.00 - 0.50
5B-00306	20120	Cs-137	-0.004 U	0.013	0.0038	0.207	0.00 - 0.50
5B-00306	20120	Eu-152	-0.008 U	0.03	0.0092	0.0566	0.00 - 0.50
5B-00306	20120	Eu-154	-0.036 U J	0.082	0.025	0.15	0.00 - 0.50
5B-00306	20120	Eu-155	0.07 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00306	20120	H-3	0.002 U	0.18	0.053	11.9	0.00 - 0.50
5B-00306	20120	Ho-166m	0.004 U J	0.018	0.0052	0.0432	0.00 - 0.50
5B-00306	20120	K-40	21.7	0.13	0.72	32.4	0.00 - 0.50
5B-00306	20120	Na-22	0.0066 U	0.019	0.0057	0.037	0.00 - 0.50
5B-00306	20120	Nb-94	0.0044 U	0.011	0.0032	0.0214	0.00 - 0.50
5B-00306	20120	Np-236	-0.005 U	0.026	0.0079	0.047	0.00 - 0.50
5B-00306	20120	Np-239	-0.02 U	0.074	0.022	0.139	0.00 - 0.50
5B-00306	20120	Pa-231	0.0002 U	0.5	0.15	0.936	0.00 - 0.50
5B-00306	20120	Pb-212	1.28	0.023	0.068	2.69	0.00 - 0.50
5B-00306	20120	Pb-214	0.874	0.021	0.033	1.7	0.00 - 0.50
5B-00306	20120	Pu-236	0 U	0.0015	0.0006	7.79	0.00 - 0.50
5B-00306	20120	Pu-238	-0.002 U	0.0066	0.0013	0.0415	0.00 - 0.50
5B-00306	20120	Pu-239/240	0 U	0.004	0.0008	0.0404	0.00 - 0.50
5B-00306	20120	Pu-244	0.0005 U	0.0015	0.0006	0.0313	0.00 - 0.50
5B-00306	20120	Sb-125	0.0879 SK	0.033	0.0065	0.354	0.00 - 0.50
5B-00306	20120	Sn-126	0.0009 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00306	20120	Sr-90	0.037	0.057	0.018	0.485	0.00 - 0.50
5B-00306	20120	Tc-99	-0.031 U	0.24	0.073	1.63	0.00 - 0.50
5B-00306	20120	Te-125m	0.0203 SK	0.0077	0.0015	0.0838	0.00 - 0.50
5B-00306	20120	Th-228	0.984	0.016	0.053	3.98	0.00 - 0.50
5B-00306	20120	Th-229	0.007	0.0024	0.0025	0.145	0.00 - 0.50
5B-00306	20120	Th-230	0.821	0.008	0.046	2.2	0.00 - 0.50
5B-00306	20120	Th-232	0.987	0.008	0.053	3.1	0.00 - 0.50
5B-00306	20120	Th-234	1.29	0.12	0.076	3.19	0.00 - 0.50
5B-00306	20120	Tl-208	0.398	0.013	0.016	0.937	0.00 - 0.50
5B-00306	20120	Tm-171	0.02 U J	4.8	1.5	72.4	0.00 - 0.50
5B-00306	20120	U-233/234	0.722	0.009	0.04	2.02	0.00 - 0.50
5B-00306	20120	U-235/236	0.0261	0.0032	0.0057	0.151	0.00 - 0.50
5B-00306	20120	U-238	0.792	0.01	0.043	1.8	0.00 - 0.50
5B-00307	20121	Ac-227	0.0213 U	0.15	0.01	0.217	0.00 - 0.50
5B-00307	20121	Ac-228	1.08	0.093	0.045	2.4	0.00 - 0.50
5B-00307	20121	Am-241	0.0037	0.0069	0.0024	0.0454	0.00 - 0.50
5B-00307	20121	Bi-212	0.957	0.15	0.087	2.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00307	20121	Bi-214	0.868	0.026	0.032	1.59	0.00 - 0.50
5B-00307	20121	Cd-113m	5 U	38	11	3030	0.00 - 0.50
5B-00307	20121	Cm-243/244	0.0009 U	0.0099	0.0026	0.0443	0.00 - 0.50
5B-00307	20121	Cm-245/246	0.0007 U J	0.0055	0.0013	0.0401	0.00 - 0.50
5B-00307	20121	Cm-247/248	0.0007 U	0.0054	0.0013	0.0306	0.00 - 0.50
5B-00307	20121	Co-60	0 U	0.02	0.0059	0.028	0.00 - 0.50
5B-00307	20121	Cs-134	0.0094 U	0.031	0.0056	0.0864	0.00 - 0.50
5B-00307	20121	Cs-137	0.0071 U	0.019	0.007	0.207	0.00 - 0.50
5B-00307	20121	Eu-152	0.0073 U	0.037	0.0074	0.0566	0.00 - 0.50
5B-00307	20121	Eu-154	0.065 J	0.082	0.021	0.15	0.00 - 0.50
5B-00307	20121	Eu-155	0.071 SK	0.032	0.012	0.231	0.00 - 0.50
5B-00307	20121	H-3	0.098 U	0.22	0.068	11.9	0.00 - 0.50
5B-00307	20121	Ho-166m	0.0212 SK	0.024	0.0084	0.0432	0.00 - 0.50
5B-00307	20121	K-40	20.4	0.16	0.62	32.4	0.00 - 0.50
5B-00307	20121	Na-22	0.0034 U	0.025	0.0073	0.037	0.00 - 0.50
5B-00307	20121	Nb-94	0.0035 U	0.015	0.0023	0.0214	0.00 - 0.50
5B-00307	20121	Ni-59	0 U	0.23	0.063	5.96	0.00 - 0.50
5B-00307	20121	Ni-63	-0.34 L U	0.54	0.16	4.92	0.00 - 0.50
5B-00307	20121	Np-236	-0.005 U	0.027	0.0082	0.047	0.00 - 0.50
5B-00307	20121	Np-239	0.025 U	0.076	0.023	0.139	0.00 - 0.50
5B-00307	20121	Pa-231	-0.04 U	0.56	0.17	0.936	0.00 - 0.50
5B-00307	20121	Pb-212	1.38	0.024	0.056	2.69	0.00 - 0.50
5B-00307	20121	Pb-214	0.939	0.027	0.033	1.7	0.00 - 0.50
5B-00307	20121	Pu-236	0.0003 U	0.0042	0.0009	7.79	0.00 - 0.50
5B-00307	20121	Pu-238	-9E-04 U	0.0052	0.0007	0.0415	0.00 - 0.50
5B-00307	20121	Pu-239/240	0 U	0.0019	0.0006	0.0404	0.00 - 0.50
5B-00307	20121	Pu-244	0.0035	0.0019	0.0016	0.0313	0.00 - 0.50
5B-00307	20121	Sb-125	0.113 SK	0.046	0.011	0.354	0.00 - 0.50
5B-00307	20121	Sn-126	-1E-04 U	0.017	0.005	0.0237	0.00 - 0.50
5B-00307	20121	Sr-90	-0.009 U	0.041	0.011	0.485	0.00 - 0.50
5B-00307	20121	Te-125m	0.026 SK	0.011	0.0024	0.0838	0.00 - 0.50
5B-00307	20121	Th-228	0.976	0.011	0.05	3.98	0.00 - 0.50
5B-00307	20121	Th-229	0.0029 U	0.013	0.0037	0.145	0.00 - 0.50
5B-00307	20121	Th-230	0.867	0.002	0.045	2.2	0.00 - 0.50
5B-00307	20121	Th-232	0.952	0.006	0.049	3.1	0.00 - 0.50
5B-00307	20121	Th-234	1.35	0.15	0.078	3.19	0.00 - 0.50
5B-00307	20121	Tl-208	0.419	0.018	0.017	0.937	0.00 - 0.50
5B-00307	20121	Tm-171	2.6 U J	5.8	1.8	72.4	0.00 - 0.50
5B-00307	20121	U-233/234	0.763	0.004	0.045	2.02	0.00 - 0.50
5B-00307	20121	U-235/236	0.0261	0.0044	0.0066	0.151	0.00 - 0.50
5B-00307	20121	U-238	0.847	0.004	0.049	1.8	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00307	20122	Ac-227	0.037 U	0.13	0.039	0.217	1.00 - 5.00
5B-00307	20122	Ac-228	1.19	0.09	0.043	2.4	1.00 - 5.00
5B-00307	20122	Am-241	0.0033	0.006	0.0021	0.0454	1.00 - 5.00
5B-00307	20122	Bi-212	0.908	0.1	0.058	2.15	1.00 - 5.00
5B-00307	20122	Bi-214	0.749	0.025	0.028	1.59	1.00 - 5.00
5B-00307	20122	C-14	0.012 U	0.034	0.01	2.96	1.00 - 5.00
5B-00307	20122	Cd-113m	8 U	37	11	3030	1.00 - 5.00
5B-00307	20122	Cm-243/244	0.0072	0.011	0.0038	0.0443	1.00 - 5.00
5B-00307	20122	Cm-245/246	0.0011 U J	0.003	0.0011	0.0401	1.00 - 5.00
5B-00307	20122	Cm-247/248	0.0022 U	0.003	0.0016	0.0306	1.00 - 5.00
5B-00307	20122	Co-60	0.0001 U	0.018	0.0052	0.028	1.00 - 5.00
5B-00307	20122	Cs-134	0.004 U	0.015	0.004	0.0864	1.00 - 5.00
5B-00307	20122	Cs-137	0.0019 U	0.015	0.005	0.207	1.00 - 5.00
5B-00307	20122	Eu-152	0.021	0.036	0.017	0.0566	1.00 - 5.00
5B-00307	20122	Eu-154	0.015 U	0.098	0.015	0.15	1.00 - 5.00
5B-00307	20122	Eu-155	0.069 SK	0.032	0.013	0.231	1.00 - 5.00
5B-00307	20122	H-3	-0.005 U	0.18	0.052	11.9	1.00 - 5.00
5B-00307	20122	Ho-166m	0.0086 U J	0.024	0.0074	0.0432	1.00 - 5.00
5B-00307	20122	K-40	18.9	0.14	0.58	32.4	1.00 - 5.00
5B-00307	20122	Na-22	0.0033 U	0.021	0.0062	0.037	1.00 - 5.00
5B-00307	20122	Nb-94	0.0064 U	0.013	0.0041	0.0214	1.00 - 5.00
5B-00307	20122	Ni-59	0 U	0.39	0.11	5.96	1.00 - 5.00
5B-00307	20122	Ni-63	0.09 U	0.59	0.18	4.92	1.00 - 5.00
5B-00307	20122	Np-236	-0.007 U	0.027	0.0081	0.047	1.00 - 5.00
5B-00307	20122	Np-239	0.004 U	0.082	0.025	0.139	1.00 - 5.00
5B-00307	20122	Pa-231	0.18 U	0.54	0.16	0.936	1.00 - 5.00
5B-00307	20122	Pb-212	1.46	0.026	0.06	2.69	1.00 - 5.00
5B-00307	20122	Pb-214	0.806	0.025	0.029	1.7	1.00 - 5.00
5B-00307	20122	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 5.00
5B-00307	20122	Pu-238	0 U	0.0019	0.0006	0.0415	1.00 - 5.00
5B-00307	20122	Pu-239/240	0.0007 U	0.0019	0.0007	0.0404	1.00 - 5.00
5B-00307	20122	Pu-244	0.0028	0.0019	0.0014	0.0313	1.00 - 5.00
5B-00307	20122	Sb-125	0.146 JSK	0.041	0.011	0.354	1.00 - 5.00
5B-00307	20122	Sn-126	0 U	0.013	0.0029	0.0237	1.00 - 5.00
5B-00307	20122	Sr-90	0.024	0.043	0.013	0.485	1.00 - 5.00
5B-00307	20122	Tc-99	-0.038 U	0.29	0.087	1.63	1.00 - 5.00
5B-00307	20122	Te-125m	0.0337 JSK	0.0094	0.0026	0.0838	1.00 - 5.00
5B-00307	20122	Th-228	1.3	0.02	0.067	3.98	1.00 - 5.00
5B-00307	20122	Th-229	0.0042	0.0063	0.0023	0.145	1.00 - 5.00
5B-00307	20122	Th-230	0.935	0.014	0.051	2.2	1.00 - 5.00
5B-00307	20122	Th-232	1.19	0.008	0.062	3.1	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00307	20122	Th-234	0.356 R	0.15	0.049	3.19	1.00 - 5.00
5B-00307	20122	Tl-208	0.452	0.014	0.016	0.937	1.00 - 5.00
5B-00307	20122	Tm-171	-1.3 U	5.4	1.6	72.4	1.00 - 5.00
5B-00307	20122	U-233/234	0.736	0.002	0.04	2.02	1.00 - 5.00
5B-00307	20122	U-235/236	0.0511	0.0099	0.008	0.151	1.00 - 5.00
5B-00307	20122	U-238	0.792	0.002	0.042	1.8	1.00 - 5.00
5B-00308	20123	Ac-227	0.038 U	0.11	0.011	0.217	1.00 - 5.00
5B-00308	20123	Ac-228	1.13	0.062	0.039	2.4	1.00 - 5.00
5B-00308	20123	Am-241	0.0014 U	0.0077	0.0021	0.0454	1.00 - 5.00
5B-00308	20123	Bi-212	0.998	0.11	0.075	2.15	1.00 - 5.00
5B-00308	20123	Bi-214	0.717	0.02	0.025	1.59	1.00 - 5.00
5B-00308	20123	C-14	0.0005 U	0.031	0.0092	2.96	1.00 - 5.00
5B-00308	20123	Cd-113m	-5.8 U	31	9.4	3030	1.00 - 5.00
5B-00308	20123	Cm-243/244	0.0021 U	0.0075	0.0022	0.0443	1.00 - 5.00
5B-00308	20123	Cm-245/246	0.0034 J	0.0023	0.0017	0.0401	1.00 - 5.00
5B-00308	20123	Cm-247/248	0.0009 U	0.0023	0.0009	0.0306	1.00 - 5.00
5B-00308	20123	Co-60	0.0006 U	0.012	0.0019	0.028	1.00 - 5.00
5B-00308	20123	Cs-134	-0.003 U	0.032	0.0098	0.0864	1.00 - 5.00
5B-00308	20123	Cs-137	0.0032 U	0.012	0.0036	0.207	1.00 - 5.00
5B-00308	20123	Eu-152	-0.012 U	0.027	0.0082	0.0566	1.00 - 5.00
5B-00308	20123	Eu-154	-0.037 U	0.078	0.024	0.15	1.00 - 5.00
5B-00308	20123	Eu-155	0.082 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00308	20123	H-3	0.004 U	0.18	0.054	11.9	1.00 - 5.00
5B-00308	20123	Ho-166m	0.0102 JSK	0.018	0.0083	0.0432	1.00 - 5.00
5B-00308	20123	K-40	21.8	0.12	0.65	32.4	1.00 - 5.00
5B-00308	20123	Na-22	0.0073 U	0.02	0.0061	0.037	1.00 - 5.00
5B-00308	20123	Nb-94	0.001 U	0.01	0.0011	0.0214	1.00 - 5.00
5B-00308	20123	Ni-59	0 U	0.35	0.1	5.96	1.00 - 5.00
5B-00308	20123	Ni-63	0.19 U	0.56	0.17	4.92	1.00 - 5.00
5B-00308	20123	Np-236	0 U	0.025	0.0075	0.047	1.00 - 5.00
5B-00308	20123	Np-239	-5E-04 U	0.059	0.018	0.139	1.00 - 5.00
5B-00308	20123	Pa-231	-0.09 U	0.38	0.11	0.936	1.00 - 5.00
5B-00308	20123	Pb-212	1.48	0.019	0.06	2.69	1.00 - 5.00
5B-00308	20123	Pb-214	0.802	0.021	0.027	1.7	1.00 - 5.00
5B-00308	20123	Pu-236	-4E-04 U	0.0043	0.0005	7.79	1.00 - 5.00
5B-00308	20123	Pu-238	0.0006 U	0.0053	0.0012	0.0415	1.00 - 5.00
5B-00308	20123	Pu-239/240	0 U	0.002	0.0006	0.0404	1.00 - 5.00
5B-00308	20123	Pu-244	0.0029	0.002	0.0015	0.0313	1.00 - 5.00
5B-00308	20123	Sb-125	0.109 JSK	0.03	0.0077	0.354	1.00 - 5.00
5B-00308	20123	Sn-126	0.0026 U	0.011	0.0033	0.0237	1.00 - 5.00
5B-00308	20123	Sr-90	0.051	0.061	0.019	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00308	20123	Tc-99	0.014 U	0.32	0.096	1.63	1.00 - 5.00
5B-00308	20123	Te-125m	0.0253 JSK	0.007	0.0018	0.0838	1.00 - 5.00
5B-00308	20123	Th-228	1.33	0.018	0.067	3.98	1.00 - 5.00
5B-00308	20123	Th-229	0.0081	0.0097	0.0036	0.145	1.00 - 5.00
5B-00308	20123	Th-230	0.845	0.003	0.046	2.2	1.00 - 5.00
5B-00308	20123	Th-232	1.27	0.003	0.064	3.1	1.00 - 5.00
5B-00308	20123	Th-234	0.399 R	0.13	0.043	3.19	1.00 - 5.00
5B-00308	20123	Tl-208	0.445	0.012	0.015	0.937	1.00 - 5.00
5B-00308	20123	Tm-171	-1.4 U	5	1.5	72.4	1.00 - 5.00
5B-00308	20123	U-233/234	0.753	0.003	0.041	2.02	1.00 - 5.00
5B-00308	20123	U-235/236	0.0416	0.0087	0.0075	0.151	1.00 - 5.00
5B-00308	20123	U-238	0.753	0.003	0.041	1.8	1.00 - 5.00
5B-00308	20124	Ac-227	-0.072 U	0.14	0.042	0.217	0.00 - 0.50
5B-00308	20124	Ac-228	1.19	0.086	0.043	2.4	0.00 - 0.50
5B-00308	20124	Am-241	-0.004 U	0.013	0.0023	0.0454	0.00 - 0.50
5B-00308	20124	Bi-212	0.933	0.15	0.084	2.15	0.00 - 0.50
5B-00308	20124	Bi-214	0.878	0.027	0.032	1.59	0.00 - 0.50
5B-00308	20124	Cd-113m	-6 U	42	13	3030	0.00 - 0.50
5B-00308	20124	Cm-243/244	0.0012 U	0.014	0.0036	0.0443	0.00 - 0.50
5B-00308	20124	Cm-245/246	0.001 U J	0.0026	0.001	0.0401	0.00 - 0.50
5B-00308	20124	Cm-247/248	0.001 U	0.0026	0.001	0.0306	0.00 - 0.50
5B-00308	20124	Co-60	0.003 U	0.019	0.0058	0.028	0.00 - 0.50
5B-00308	20124	Cs-134	0.002 U	0.035	0.01	0.0864	0.00 - 0.50
5B-00308	20124	Cs-137	0.0066 U	0.018	0.0065	0.207	0.00 - 0.50
5B-00308	20124	Eu-152	0.008 U	0.039	0.012	0.0566	0.00 - 0.50
5B-00308	20124	Eu-154	0.01 U J	0.11	0.011	0.15	0.00 - 0.50
5B-00308	20124	Eu-155	0.088 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00308	20124	H-3	0.09 U	0.22	0.066	11.9	0.00 - 0.50
5B-00308	20124	Ho-166m	0.015 SK	0.026	0.011	0.0432	0.00 - 0.50
5B-00308	20124	K-40	19.7	0.15	0.6	32.4	0.00 - 0.50
5B-00308	20124	Na-22	-7E-04 U	0.026	0.0077	0.037	0.00 - 0.50
5B-00308	20124	Nb-94	-4E-04 U	0.014	0.0006	0.0214	0.00 - 0.50
5B-00308	20124	Ni-59	0 U	0.14	0.039	5.96	0.00 - 0.50
5B-00308	20124	Ni-63	-0.33 L U	0.49	0.14	4.92	0.00 - 0.50
5B-00308	20124	Np-236	0.0025 U	0.029	0.0088	0.047	0.00 - 0.50
5B-00308	20124	Np-239	0.026 U	0.086	0.026	0.139	0.00 - 0.50
5B-00308	20124	Pa-231	0.005 U	0.5	0.15	0.936	0.00 - 0.50
5B-00308	20124	Pb-212	1.51	0.024	0.061	2.69	0.00 - 0.50
5B-00308	20124	Pb-214	0.937	0.026	0.032	1.7	0.00 - 0.50
5B-00308	20124	Pu-236	0 U	0.0023	0.0008	7.79	0.00 - 0.50
5B-00308	20124	Pu-238	0.0017	0.0023	0.0012	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00308	20124	Pu-239/240	0.0009 U	0.0023	0.0009	0.0404	0.00 - 0.50
5B-00308	20124	Pu-244	0.0017	0.0023	0.0012	0.0313	0.00 - 0.50
5B-00308	20124	Sb-125	0.129 SK	0.042	0.012	0.354	0.00 - 0.50
5B-00308	20124	Sn-126	0 U	0.014	0.0041	0.0237	0.00 - 0.50
5B-00308	20124	Sr-90	0.038	0.042	0.013	0.485	0.00 - 0.50
5B-00308	20124	Te-125m	0.0299 SK	0.0098	0.0027	0.0838	0.00 - 0.50
5B-00308	20124	Th-228	1.11	0.016	0.059	3.98	0.00 - 0.50
5B-00308	20124	Th-229	0.0032 U	0.0099	0.0029	0.145	0.00 - 0.50
5B-00308	20124	Th-230	0.849	0.008	0.047	2.2	0.00 - 0.50
5B-00308	20124	Th-232	1.07	0.012	0.057	3.1	0.00 - 0.50
5B-00308	20124	Th-234	0.372	0.16	0.051	3.19	0.00 - 0.50
5B-00308	20124	Tl-208	0.462	0.016	0.017	0.937	0.00 - 0.50
5B-00308	20124	Tm-171	5.3 J	5.2	2	72.4	0.00 - 0.50
5B-00308	20124	U-233/234	0.743	0.003	0.041	2.02	0.00 - 0.50
5B-00308	20124	U-235/236	0.0488	0.011	0.0084	0.151	0.00 - 0.50
5B-00308	20124	U-238	0.81	0.009	0.044	1.8	0.00 - 0.50
5B-00309	20126	Ac-227	0.005 U	0.12	0.036	0.217	0.00 - 0.50
5B-00309	20126	Ac-228	1.11	0.061	0.04	2.4	0.00 - 0.50
5B-00309	20126	Am-241	0.001 U	0.0092	0.0023	0.0454	0.00 - 0.50
5B-00309	20126	Bi-212	0.958	0.094	0.061	2.15	0.00 - 0.50
5B-00309	20126	Bi-214	0.776	0.022	0.03	1.59	0.00 - 0.50
5B-00309	20126	Cd-113m	0.2 U	35	10	3030	0.00 - 0.50
5B-00309	20126	Cm-243/244	0.0019 U	0.0026	0.0014	0.0443	0.00 - 0.50
5B-00309	20126	Cm-245/246	0.0019 U J	0.0026	0.0013	0.0401	0.00 - 0.50
5B-00309	20126	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	0.00 - 0.50
5B-00309	20126	Co-60	0.003 U	0.013	0.0033	0.028	0.00 - 0.50
5B-00309	20126	Cs-134	0.0092 U J	0.038	0.0026	0.0864	0.00 - 0.50
5B-00309	20126	Cs-137	-3E-04 U	0.013	0.0038	0.207	0.00 - 0.50
5B-00309	20126	Eu-152	0.0177	0.03	0.0096	0.0566	0.00 - 0.50
5B-00309	20126	Eu-154	0.0001 U	0.079	0.0001	0.15	0.00 - 0.50
5B-00309	20126	Eu-155	0.069 RSK	0.029	0.012	0.231	0.00 - 0.50
5B-00309	20126	Ho-166m	0.009 U	0.02	0.0072	0.0432	0.00 - 0.50
5B-00309	20126	K-40	21.6	0.15	0.72	32.4	0.00 - 0.50
5B-00309	20126	Na-22	-0.006 U	0.019	0.0058	0.037	0.00 - 0.50
5B-00309	20126	Nb-94	0.0004 U	0.011	0.0034	0.0214	0.00 - 0.50
5B-00309	20126	Np-236	-0.011 U	0.024	0.0073	0.047	0.00 - 0.50
5B-00309	20126	Np-239	0 U	0.075	0.0094	0.139	0.00 - 0.50
5B-00309	20126	Pa-231	0.007 U	0.48	0.15	0.936	0.00 - 0.50
5B-00309	20126	Pb-212	1.34	0.027	0.072	2.69	0.00 - 0.50
5B-00309	20126	Pb-214	0.864	0.022	0.033	1.7	0.00 - 0.50
5B-00309	20126	Pu-236	-0.001 U	0.0048	0.0009	7.79	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00309	20126	Pu-238	0 U	0.0042	0.001	0.0415	0.00 - 0.50
5B-00309	20126	Pu-239/240	-5E-04 U	0.0033	0.0005	0.0404	0.00 - 0.50
5B-00309	20126	Pu-244	0.0009 U	0.0012	0.0006	0.0313	0.00 - 0.50
5B-00309	20126	Sb-125	0.109 SK	0.031	0.008	0.354	0.00 - 0.50
5B-00309	20126	Sn-126	0.0014 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00309	20126	Sr-90	0.035	0.036	0.012	0.485	0.00 - 0.50
5B-00309	20126	Te-125m	0.0251 SK	0.0071	0.0018	0.0838	0.00 - 0.50
5B-00309	20126	Th-228	1.18	0.016	0.06	3.98	0.00 - 0.50
5B-00309	20126	Th-229	0.0022 U	0.0079	0.0022	0.145	0.00 - 0.50
5B-00309	20126	Th-230	0.776	0.007	0.042	2.2	0.00 - 0.50
5B-00309	20126	Th-232	1.1	0.009	0.056	3.1	0.00 - 0.50
5B-00309	20126	Th-234	1.35	0.13	0.081	3.19	0.00 - 0.50
5B-00309	20126	Tl-208	0.427	0.014	0.017	0.937	0.00 - 0.50
5B-00309	20126	Tm-171	-5.2 R U	4.5	1.4	72.4	0.00 - 0.50
5B-00309	20126	U-233/234	0.69	0.004	0.042	2.02	0.00 - 0.50
5B-00309	20126	U-235/236	0.0236	0.0046	0.0064	0.151	0.00 - 0.50
5B-00309	20126	U-238	0.698	0.004	0.042	1.8	0.00 - 0.50
5B-00310	20128	Ac-227	0.04 U	0.11	0.036	0.217	0.00 - 0.50
5B-00310	20128	Ac-228	1.11	0.059	0.04	2.4	0.00 - 0.50
5B-00310	20128	Am-241	0.0046	0.0018	0.0018	0.0454	0.00 - 0.50
5B-00310	20128	Bi-212	0.88	0.11	0.069	2.15	0.00 - 0.50
5B-00310	20128	Bi-214	0.678	0.018	0.026	1.59	0.00 - 0.50
5B-00310	20128	C-14	-0.008 U	0.03	0.0087	2.96	0.00 - 0.50
5B-00310	20128	Cd-113m	5.6 U	24	7.1	3030	0.00 - 0.50
5B-00310	20128	Cm-243/244	-7E-04 U	0.0048	0.0007	0.0443	0.00 - 0.50
5B-00310	20128	Cm-245/246	0.0007 U	0.002	0.0007	0.0401	0.00 - 0.50
5B-00310	20128	Cm-247/248	0.0007 U	0.0052	0.0013	0.0306	0.00 - 0.50
5B-00310	20128	Co-60	0.0029 U	0.013	0.0026	0.028	0.00 - 0.50
5B-00310	20128	Cs-134	0.0039 U	0.034	0.0029	0.0864	0.00 - 0.50
5B-00310	20128	Cs-137	-0.002 U J	0.013	0.0038	0.207	0.00 - 0.50
5B-00310	20128	Eu-152	0.012 U	0.025	0.011	0.0566	0.00 - 0.50
5B-00310	20128	Eu-154	-0.022 U	0.078	0.023	0.15	0.00 - 0.50
5B-00310	20128	Eu-155	0.071 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00310	20128	H-3	-0.004 U	0.18	0.054	11.9	0.00 - 0.50
5B-00310	20128	Ho-166m	0.0017 U	0.014	0.0042	0.0432	0.00 - 0.50
5B-00310	20128	K-40	20.7	0.15	0.69	32.4	0.00 - 0.50
5B-00310	20128	Na-22	-0.007 U	0.018	0.0054	0.037	0.00 - 0.50
5B-00310	20128	Nb-94	0.0086 SK	0.0082	0.0026	0.0214	0.00 - 0.50
5B-00310	20128	Ni-59	0 U	0.27	0.074	5.96	0.00 - 0.50
5B-00310	20128	Ni-63	-0.03 U	0.54	0.16	4.92	0.00 - 0.50
5B-00310	20128	Np-236	-0.003 U	0.025	0.0075	0.047	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00310	20128	Np-239	-0.01 U	0.066	0.02	0.139	0.00 - 0.50
5B-00310	20128	Pa-231	0.08 U	0.47	0.14	0.936	0.00 - 0.50
5B-00310	20128	Pb-212	1.41	0.02	0.074	2.69	0.00 - 0.50
5B-00310	20128	Pb-214	0.778	0.022	0.03	1.7	0.00 - 0.50
5B-00310	20128	Pu-236	-5E-04 U	0.0053	0.0012	7.79	0.00 - 0.50
5B-00310	20128	Pu-238	-0.001 U	0.0046	0.0008	0.0415	0.00 - 0.50
5B-00310	20128	Pu-239/240	-5E-04 U	0.0036	0.0006	0.0404	0.00 - 0.50
5B-00310	20128	Pu-244	0.001 U	0.0013	0.0007	0.0313	0.00 - 0.50
5B-00310	20128	Sb-125	0.0964 SK	0.032	0.0073	0.354	0.00 - 0.50
5B-00310	20128	Sn-126	0.0014 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00310	20128	Sr-90	0.0009 U	0.056	0.016	0.485	0.00 - 0.50
5B-00310	20128	Tc-99	-0.059 U	0.28	0.084	1.63	0.00 - 0.50
5B-00310	20128	Te-125m	0.0223 SK	0.0075	0.0017	0.0838	0.00 - 0.50
5B-00310	20128	Th-228	1.18	0.02	0.063	3.98	0.00 - 0.50
5B-00310	20128	Th-229	0.0051	0.0076	0.0028	0.145	0.00 - 0.50
5B-00310	20128	Th-230	0.817	0.012	0.047	2.2	0.00 - 0.50
5B-00310	20128	Th-232	1.27	0.009	0.067	3.1	0.00 - 0.50
5B-00310	20128	Th-234	0.596 R	0.13	0.048	3.19	0.00 - 0.50
5B-00310	20128	Tl-208	0.451	0.013	0.018	0.937	0.00 - 0.50
5B-00310	20128	Tm-171	-3.4 L U	4.5	1.4	72.4	0.00 - 0.50
5B-00310	20128	U-233/234	0.664	0.003	0.04	2.02	0.00 - 0.50
5B-00310	20128	U-235/236	0.0309	0.011	0.0072	0.151	0.00 - 0.50
5B-00310	20128	U-238	0.727	0.003	0.042	1.8	0.00 - 0.50
5B-00311	20130	Ac-227	-0.082 U	0.14	0.042	0.217	0.00 - 0.50
5B-00311	20130	Ac-228	0.996	0.089	0.038	2.4	0.00 - 0.50
5B-00311	20130	Am-241	0.0039	0.0058	0.0021	0.0454	0.00 - 0.50
5B-00311	20130	Bi-212	0.824	0.14	0.078	2.15	0.00 - 0.50
5B-00311	20130	Bi-214	0.805	0.026	0.03	1.59	0.00 - 0.50
5B-00311	20130	C-14	0.047 J	0.062	0.019	2.96	0.00 - 0.50
5B-00311	20130	Cd-113m	7 U	39	12	3030	0.00 - 0.50
5B-00311	20130	Cm-243/244	0.0031 U	0.012	0.0036	0.0443	0.00 - 0.50
5B-00311	20130	Cm-245/246	0 U J	0.0024	0.001	0.0401	0.00 - 0.50
5B-00311	20130	Cm-247/248	0.0009 U	0.0024	0.0009	0.0306	0.00 - 0.50
5B-00311	20130	Co-60	0.0014 U	0.021	0.0061	0.028	0.00 - 0.50
5B-00311	20130	Cs-134	0.0112 SK	0.019	0.0031	0.0864	0.00 - 0.50
5B-00311	20130	Cs-137	0.0116 J	0.017	0.0055	0.207	0.00 - 0.50
5B-00311	20130	Eu-152	0.005 U	0.038	0.011	0.0566	0.00 - 0.50
5B-00311	20130	Eu-154	-0.058 U	0.11	0.033	0.15	0.00 - 0.50
5B-00311	20130	Eu-155	0.0351 SK	0.032	0.0098	0.231	0.00 - 0.50
5B-00311	20130	H-3	0.057 U	0.18	0.054	11.9	0.00 - 0.50
5B-00311	20130	Ho-166m	0.0092 U	0.026	0.0075	0.0432	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00311	20130	K-40	20.8	0.14	0.64	32.4	0.00 - 0.50
5B-00311	20130	Na-22	-0.002 U	0.027	0.008	0.037	0.00 - 0.50
5B-00311	20130	Nb-94	0.0043 U	0.014	0.0043	0.0214	0.00 - 0.50
5B-00311	20130	Ni-59	0 U	0.2	0.056	5.96	0.00 - 0.50
5B-00311	20130	Ni-63	-0.21 U	0.49	0.14	4.92	0.00 - 0.50
5B-00311	20130	Np-236	-0.003 U	0.029	0.0086	0.047	0.00 - 0.50
5B-00311	20130	Np-239	0.006 U	0.086	0.026	0.139	0.00 - 0.50
5B-00311	20130	Pa-231	0.0005 U	0.56	0.17	0.936	0.00 - 0.50
5B-00311	20130	Pb-212	1.18	0.025	0.049	2.69	0.00 - 0.50
5B-00311	20130	Pb-214	0.843	0.025	0.029	1.7	0.00 - 0.50
5B-00311	20130	Pu-236	0 U	0.0049	0.001	7.79	0.00 - 0.50
5B-00311	20130	Pu-238	0 U	0.0049	0.001	0.0415	0.00 - 0.50
5B-00311	20130	Pu-239/240	0.0007 U	0.0018	0.0007	0.0404	0.00 - 0.50
5B-00311	20130	Pu-244	0.002	0.0018	0.0012	0.0313	0.00 - 0.50
5B-00311	20130	Sb-125	0.0866 SK	0.044	0.0087	0.354	0.00 - 0.50
5B-00311	20130	Sn-126	-0.002 U	0.017	0.0051	0.0237	0.00 - 0.50
5B-00311	20130	Sr-90	0.022 U	0.057	0.017	0.485	0.00 - 0.50
5B-00311	20130	Tc-99	-0.022 U	0.26	0.079	1.63	0.00 - 0.50
5B-00311	20130	Te-125m	0.02 SK	0.01	0.002	0.0838	0.00 - 0.50
5B-00311	20130	Th-228	1.11	0.013	0.056	3.98	0.00 - 0.50
5B-00311	20130	Th-229	0.009	0.0096	0.0039	0.145	0.00 - 0.50
5B-00311	20130	Th-230	0.925	0.002	0.048	2.2	0.00 - 0.50
5B-00311	20130	Th-232	1.13	0.002	0.056	3.1	0.00 - 0.50
5B-00311	20130	Th-234	1.23 R	0.15	0.075	3.19	0.00 - 0.50
5B-00311	20130	Tl-208	0.385	0.016	0.015	0.937	0.00 - 0.50
5B-00311	20130	Tm-171	-2.6 U	5.6	1.7	72.4	0.00 - 0.50
5B-00311	20130	U-233/234	0.6	0.004	0.038	2.02	0.00 - 0.50
5B-00311	20130	U-235/236	0.0344	0.0047	0.0078	0.151	0.00 - 0.50
5B-00311	20130	U-238	0.645	0.004	0.04	1.8	0.00 - 0.50
5B-00312	20131	Ac-227	0.084	0.1	0.02	0.217	0.00 - 0.50
5B-00312	20131	Ac-228	1.15	0.092	0.042	2.4	0.00 - 0.50
5B-00312	20131	Am-241	0.0059	0.0062	0.0026	0.0454	0.00 - 0.50
5B-00312	20131	Bi-212	0.911	0.13	0.076	2.15	0.00 - 0.50
5B-00312	20131	Bi-214	0.793	0.024	0.029	1.59	0.00 - 0.50
5B-00312	20131	C-14	0.0042 U	0.031	0.0092	2.96	0.00 - 0.50
5B-00312	20131	Cd-113m	9 U	41	12	3030	0.00 - 0.50
5B-00312	20131	Cm-243/244	-8E-04 U	0.02	0.0056	0.0443	0.00 - 0.50
5B-00312	20131	Cm-245/246	0.0008 U J	0.0022	0.0008	0.0401	0.00 - 0.50
5B-00312	20131	Cm-247/248	0 U	0.0058	0.0012	0.0306	0.00 - 0.50
5B-00312	20131	Co-60	-0.002 U	0.02	0.006	0.028	0.00 - 0.50
5B-00312	20131	Cs-134	0.0101 U	0.051	0.0044	0.0864	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00312	20131	Cs-137	-0.005 U J	0.016	0.0049	0.207	0.00 - 0.50
5B-00312	20131	Eu-152	0.013 U	0.038	0.015	0.0566	0.00 - 0.50
5B-00312	20131	Eu-154	-0.022 U	0.11	0.032	0.15	0.00 - 0.50
5B-00312	20131	Eu-155	0.083 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00312	20131	H-3	0.042 U	0.18	0.054	11.9	0.00 - 0.50
5B-00312	20131	Ho-166m	0.0061 U	0.025	0.0068	0.0432	0.00 - 0.50
5B-00312	20131	K-40	20.9	0.15	0.63	32.4	0.00 - 0.50
5B-00312	20131	Na-22	-0.004 U	0.026	0.0077	0.037	0.00 - 0.50
5B-00312	20131	Nb-94	0.0031 U	0.014	0.0044	0.0214	0.00 - 0.50
5B-00312	20131	Ni-59	0 U	0.26	0.071	5.96	0.00 - 0.50
5B-00312	20131	Ni-63	-0.05 U	0.51	0.15	4.92	0.00 - 0.50
5B-00312	20131	Np-236	0.0002 U	0.03	0.0091	0.047	0.00 - 0.50
5B-00312	20131	Np-239	0.0009 U	0.086	0.026	0.139	0.00 - 0.50
5B-00312	20131	Pa-231	-0.1 U	0.59	0.18	0.936	0.00 - 0.50
5B-00312	20131	Pb-212	1.5	0.023	0.061	2.69	0.00 - 0.50
5B-00312	20131	Pb-214	0.871	0.028	0.03	1.7	0.00 - 0.50
5B-00312	20131	Pu-236	-0.001 U	0.0051	0.001	7.79	0.00 - 0.50
5B-00312	20131	Pu-238	-0.002 U	0.0063	0.0013	0.0415	0.00 - 0.50
5B-00312	20131	Pu-239/240	-5E-04 U	0.0035	0.0005	0.0404	0.00 - 0.50
5B-00312	20131	Pu-244	0.0029	0.0013	0.0012	0.0313	0.00 - 0.50
5B-00312	20131	Sb-125	0.142 SK	0.04	0.012	0.354	0.00 - 0.50
5B-00312	20131	Sn-126	0.0048 U	0.016	0.0048	0.0237	0.00 - 0.50
5B-00312	20131	Sr-90	0.002 U	0.053	0.015	0.485	0.00 - 0.50
5B-00312	20131	Tc-99	-0.023 U	0.27	0.081	1.63	0.00 - 0.50
5B-00312	20131	Te-125m	0.0327 SK	0.0092	0.0027	0.0838	0.00 - 0.50
5B-00312	20131	Th-228	0.884	0.012	0.046	3.98	0.00 - 0.50
5B-00312	20131	Th-229	0.0067	0.012	0.0041	0.145	0.00 - 0.50
5B-00312	20131	Th-230	0.969	0.002	0.049	2.2	0.00 - 0.50
5B-00312	20131	Th-232	0.958	0.006	0.049	3.1	0.00 - 0.50
5B-00312	20131	Th-234	0.304 R	0.16	0.049	3.19	0.00 - 0.50
5B-00312	20131	Tl-208	0.472	0.017	0.018	0.937	0.00 - 0.50
5B-00312	20131	Tm-171	-0.1 U	4.9	1.5	72.4	0.00 - 0.50
5B-00312	20131	U-233/234	0.701	0.002	0.036	2.02	0.00 - 0.50
5B-00312	20131	U-235/236	0.0417	0.0021	0.006	0.151	0.00 - 0.50
5B-00312	20131	U-238	0.777	0.005	0.039	1.8	0.00 - 0.50
5B-00050	20133	Ac-227	0.026 U	0.12	0.039	0.217	1.00 - 4.00
5B-00050	20133	Ac-228	1.31	0.063	0.046	2.4	1.00 - 4.00
5B-00050	20133	Am-241	-0.002 U	0.01	0.0021	0.0454	1.00 - 4.00
5B-00050	20133	Bi-212	0.99	0.097	0.063	2.15	1.00 - 4.00
5B-00050	20133	Bi-214	0.705	0.024	0.029	1.59	1.00 - 4.00
5B-00050	20133	Cd-113m	0.8 U	35	10	3030	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00050	20133	Cm-243/244	-9E-04 U	0.0068	0.001	0.0443	1.00 - 4.00
5B-00050	20133	Cm-245/246	0.0019 U J	0.0026	0.0014	0.0401	1.00 - 4.00
5B-00050	20133	Cm-247/248	0.001 U	0.007	0.0017	0.0306	1.00 - 4.00
5B-00050	20133	Co-60	0.0003 U	0.013	0.0037	0.028	1.00 - 4.00
5B-00050	20133	Cs-134	0.0125 U J	0.032	0.0037	0.0864	1.00 - 4.00
5B-00050	20133	Cs-137	-0.005 U	0.013	0.004	0.207	1.00 - 4.00
5B-00050	20133	Eu-152	0.0146 U	0.033	0.0092	0.0566	1.00 - 4.00
5B-00050	20133	Eu-154	0.0087 U	0.079	0.0087	0.15	1.00 - 4.00
5B-00050	20133	Eu-155	0.078 RSK	0.029	0.012	0.231	1.00 - 4.00
5B-00050	20133	Ho-166m	0.0099 SK	0.019	0.0084	0.0432	1.00 - 4.00
5B-00050	20133	K-40	20.4	0.13	0.68	32.4	1.00 - 4.00
5B-00050	20133	Na-22	0.0056 U	0.018	0.0055	0.037	1.00 - 4.00
5B-00050	20133	Nb-94	0.005 U	0.011	0.0034	0.0214	1.00 - 4.00
5B-00050	20133	Np-236	0.0001 U	0.028	0.0084	0.047	1.00 - 4.00
5B-00050	20133	Np-239	0.002 U	0.077	0.023	0.139	1.00 - 4.00
5B-00050	20133	Pa-231	0.02 U	0.43	0.13	0.936	1.00 - 4.00
5B-00050	20133	Pb-212	1.64	0.021	0.086	2.69	1.00 - 4.00
5B-00050	20133	Pb-214	0.791	0.022	0.031	1.7	1.00 - 4.00
5B-00050	20133	Pu-236	-0.002 U	0.0057	0.0012	7.79	1.00 - 4.00
5B-00050	20133	Pu-238	0.0009 U	0.0032	0.0009	0.0415	1.00 - 4.00
5B-00050	20133	Pu-239/240	0 U	0.0012	0.0005	0.0404	1.00 - 4.00
5B-00050	20133	Pu-244	0.0022	0.0012	0.001	0.0313	1.00 - 4.00
5B-00050	20133	Sb-125	0.119 SK	0.033	0.0082	0.354	1.00 - 4.00
5B-00050	20133	Sn-126	-0.001 U	0.013	0.0039	0.0237	1.00 - 4.00
5B-00050	20133	Sr-90	-0.001 U	0.037	0.011	0.485	1.00 - 4.00
5B-00050	20133	Te-125m	0.0275 SK	0.0077	0.0019	0.0838	1.00 - 4.00
5B-00050	20133	Th-228	1.35	0.012	0.066	3.98	1.00 - 4.00
5B-00050	20133	Th-229	0.0133	0.0095	0.0043	0.145	1.00 - 4.00
5B-00050	20133	Th-230	0.829	0.006	0.044	2.2	1.00 - 4.00
5B-00050	20133	Th-232	1.36	0.006	0.066	3.1	1.00 - 4.00
5B-00050	20133	Th-234	0.373	0.15	0.047	3.19	1.00 - 4.00
5B-00050	20133	Tl-208	0.501	0.014	0.019	0.937	1.00 - 4.00
5B-00050	20133	Tm-171	-1.6 U	5.1	1.5	72.4	1.00 - 4.00
5B-00050	20133	U-233/234	0.688	0.005	0.036	2.02	1.00 - 4.00
5B-00050	20133	U-235/236	0.0449	0.0023	0.0065	0.151	1.00 - 4.00
5B-00050	20133	U-238	0.69	0.005	0.036	1.8	1.00 - 4.00
5B-00051	20134	Ac-227	0.03 U	0.14	0.064	0.217	1.00 - 4.00
5B-00051	20134	Ac-228	1.09	0.093	0.041	2.4	1.00 - 4.00
5B-00051	20134	Am-241	-0.003 U	0.011	0.0022	0.0454	1.00 - 4.00
5B-00051	20134	Bi-212	0.938	0.16	0.095	2.15	1.00 - 4.00
5B-00051	20134	Bi-214	0.629	0.03	0.027	1.59	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00051	20134	Cd-113m	-7 U	34	10	3030	1.00 - 4.00
5B-00051	20134	Cm-243/244	-0.002 U	0.0083	0.0014	0.0443	1.00 - 4.00
5B-00051	20134	Cm-245/246	0.0009 U J	0.0067	0.0017	0.0401	1.00 - 4.00
5B-00051	20134	Cm-247/248	0 U	0.0024	0.001	0.0306	1.00 - 4.00
5B-00051	20134	Co-60	0.0074 U	0.021	0.0062	0.028	1.00 - 4.00
5B-00051	20134	Cs-134	0 U J	0.014	0.0002	0.0864	1.00 - 4.00
5B-00051	20134	Cs-137	0.0012 U	0.019	0.006	0.207	1.00 - 4.00
5B-00051	20134	Eu-152	-0.013 U	0.034	0.01	0.0566	1.00 - 4.00
5B-00051	20134	Eu-154	-0.039 U	0.11	0.033	0.15	1.00 - 4.00
5B-00051	20134	Eu-155	0.078 RSK	0.033	0.013	0.231	1.00 - 4.00
5B-00051	20134	Ho-166m	0.0054 U	0.027	0.0037	0.0432	1.00 - 4.00
5B-00051	20134	K-40	20.2	0.16	0.62	32.4	1.00 - 4.00
5B-00051	20134	Na-22	-0.009 U	0.028	0.0083	0.037	1.00 - 4.00
5B-00051	20134	Nb-94	0.0005 U	0.015	0.0046	0.0214	1.00 - 4.00
5B-00051	20134	Np-236	-1E-04 U	0.026	0.0079	0.047	1.00 - 4.00
5B-00051	20134	Np-239	0.027 U	0.08	0.024	0.139	1.00 - 4.00
5B-00051	20134	Pa-231	-0.06 U	0.61	0.18	0.936	1.00 - 4.00
5B-00051	20134	Pb-212	1.35	0.023	0.055	2.69	1.00 - 4.00
5B-00051	20134	Pb-214	0.681	0.028	0.025	1.7	1.00 - 4.00
5B-00051	20134	Pu-236	-0.002 U	0.0066	0.0014	7.79	1.00 - 4.00
5B-00051	20134	Pu-238	0 U	0.0037	0.0008	0.0415	1.00 - 4.00
5B-00051	20134	Pu-239/240	0 U	0.0014	0.0006	0.0404	1.00 - 4.00
5B-00051	20134	Pu-244	0.002	0.0014	0.001	0.0313	1.00 - 4.00
5B-00051	20134	Sb-125	0.127 SK	0.045	0.012	0.354	1.00 - 4.00
5B-00051	20134	Sn-126	0.005 U	0.016	0.005	0.0237	1.00 - 4.00
5B-00051	20134	Sr-90	0.013 U	0.04	0.012	0.485	1.00 - 4.00
5B-00051	20134	Te-125m	0.0293 SK	0.01	0.0028	0.0838	1.00 - 4.00
5B-00051	20134	Th-228	1.12	0.013	0.056	3.98	1.00 - 4.00
5B-00051	20134	Th-229	0.0055	0.003	0.0025	0.145	1.00 - 4.00
5B-00051	20134	Th-230	0.694	0.002	0.038	2.2	1.00 - 4.00
5B-00051	20134	Th-232	0.996	0.006	0.051	3.1	1.00 - 4.00
5B-00051	20134	Th-234	0.507	0.16	0.053	3.19	1.00 - 4.00
5B-00051	20134	Tl-208	0.404	0.017	0.016	0.937	1.00 - 4.00
5B-00051	20134	Tm-171	-0.6 U	4.5	1.4	72.4	1.00 - 4.00
5B-00051	20134	U-233/234	0.822	0.009	0.047	2.02	1.00 - 4.00
5B-00051	20134	U-235/236	0.0545	0.0042	0.0095	0.151	1.00 - 4.00
5B-00051	20134	U-238	0.749	0.009	0.044	1.8	1.00 - 4.00
5B-00051	20135	Ac-227	0.003 U	0.082	0.013	0.217	0.00 - 0.50
5B-00051	20135	Ac-228	1.18	0.066	0.042	2.4	0.00 - 0.50
5B-00051	20135	Am-241	0.003	0.0073	0.0023	0.0454	0.00 - 0.50
5B-00051	20135	Bi-212	0.934	0.1	0.064	2.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00051	20135	Bi-214	0.816	0.022	0.031	1.59	0.00 - 0.50
5B-00051	20135	Cd-113m	7 U	33	10	3030	0.00 - 0.50
5B-00051	20135	Cm-243/244	0.0029 U	0.011	0.0031	0.0443	0.00 - 0.50
5B-00051	20135	Cm-245/246	0 U J	0.0034	0.0014	0.0401	0.00 - 0.50
5B-00051	20135	Cm-247/248	0 U	0.0033	0.0014	0.0306	0.00 - 0.50
5B-00051	20135	Co-60	0.001 U	0.015	0.0029	0.028	0.00 - 0.50
5B-00051	20135	Cs-134	0.009 U	0.042	0.0025	0.0864	0.00 - 0.50
5B-00051	20135	Cs-137	-2E-04 U	0.015	0.0046	0.207	0.00 - 0.50
5B-00051	20135	Eu-152	-3E-04 U	0.029	0.0004	0.0566	0.00 - 0.50
5B-00051	20135	Eu-154	-0.029 U	0.073	0.022	0.15	0.00 - 0.50
5B-00051	20135	Eu-155	0.094 SK	0.029	0.013	0.231	0.00 - 0.50
5B-00051	20135	Ho-166m	0.0033 U	0.019	0.0025	0.0432	0.00 - 0.50
5B-00051	20135	K-40	19.3	0.14	0.64	32.4	0.00 - 0.50
5B-00051	20135	Na-22	-0.004 U	0.019	0.0058	0.037	0.00 - 0.50
5B-00051	20135	Nb-94	0.0028 U	0.011	0.0024	0.0214	0.00 - 0.50
5B-00051	20135	Np-236	-0.006 U	0.027	0.008	0.047	0.00 - 0.50
5B-00051	20135	Np-239	0.007 U	0.065	0.019	0.139	0.00 - 0.50
5B-00051	20135	Pa-231	0.1 U	0.46	0.1	0.936	0.00 - 0.50
5B-00051	20135	Pb-212	1.52	0.02	0.08	2.69	0.00 - 0.50
5B-00051	20135	Pb-214	0.911	0.021	0.034	1.7	0.00 - 0.50
5B-00051	20135	Pu-236	-8E-04 U	0.005	0.0007	7.79	0.00 - 0.50
5B-00051	20135	Pu-238	0.0027	0.0018	0.0014	0.0415	0.00 - 0.50
5B-00051	20135	Pu-239/240	0 U	0.0018	0.0006	0.0404	0.00 - 0.50
5B-00051	20135	Pu-244	0.002	0.0018	0.0012	0.0313	0.00 - 0.50
5B-00051	20135	Sb-125	0.138 SK	0.029	0.0096	0.354	0.00 - 0.50
5B-00051	20135	Sn-126	0.0029 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00051	20135	Sr-90	0.016 U	0.052	0.016	0.485	0.00 - 0.50
5B-00051	20135	Te-125m	0.032 SK	0.0068	0.0022	0.0838	0.00 - 0.50
5B-00051	20135	Th-228	1.25	0.009	0.061	3.98	0.00 - 0.50
5B-00051	20135	Th-229	0.0159	0.0091	0.0043	0.145	0.00 - 0.50
5B-00051	20135	Th-230	0.845	0.002	0.044	2.2	0.00 - 0.50
5B-00051	20135	Th-232	1.19	0.007	0.058	3.1	0.00 - 0.50
5B-00051	20135	Th-234	1.28	0.13	0.078	3.19	0.00 - 0.50
5B-00051	20135	Tl-208	0.446	0.015	0.018	0.937	0.00 - 0.50
5B-00051	20135	Tm-171	0.2 U	3.8	1.1	72.4	0.00 - 0.50
5B-00051	20135	U-233/234	0.635	0.004	0.033	2.02	0.00 - 0.50
5B-00051	20135	U-235/236	0.044	0.002	0.006	0.151	0.00 - 0.50
5B-00051	20135	U-238	0.651	0.004	0.034	1.8	0.00 - 0.50
5B-00052	20136	Ac-227	0.029 U	0.083	0.031	0.217	0.20 - 2.00
5B-00052	20136	Ac-228	1.15	0.049	0.037	2.4	0.20 - 2.00
5B-00052	20136	Am-241	0.0026	0.0017	0.0013	0.0454	0.20 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00052	20136	Bi-212	0.955	0.09	0.058	2.15	0.20 - 2.00
5B-00052	20136	Bi-214	0.66	0.018	0.023	1.59	0.20 - 2.00
5B-00052	20136	Cd-113m	9.8 U	29	8.8	3030	0.20 - 2.00
5B-00052	20136	Cm-243/244	0 U	0.0017	0.0007	0.0443	0.20 - 2.00
5B-00052	20136	Cm-245/246	0.0033 J	0.0061	0.0021	0.0401	0.20 - 2.00
5B-00052	20136	Cm-247/248	0 U	0.006	0.0012	0.0306	0.20 - 2.00
5B-00052	20136	Co-60	-1E-04 U	0.011	0.0032	0.028	0.20 - 2.00
5B-00052	20136	Cs-134	0.0032 U	0.03	0.0029	0.0864	0.20 - 2.00
5B-00052	20136	Cs-137	-0.008 L U	0.011	0.0032	0.207	0.20 - 2.00
5B-00052	20136	Eu-152	0.0157	0.026	0.0084	0.0566	0.20 - 2.00
5B-00052	20136	Eu-154	-0.017 U	0.067	0.02	0.15	0.20 - 2.00
5B-00052	20136	Eu-155	0.079 SK	0.026	0.011	0.231	0.20 - 2.00
5B-00052	20136	Ho-166m	0.0171 SK	0.014	0.005	0.0432	0.20 - 2.00
5B-00052	20136	K-40	19.3	0.1	0.57	32.4	0.20 - 2.00
5B-00052	20136	Na-22	0.0024 U	0.0098	0.0029	0.037	0.20 - 2.00
5B-00052	20136	Nb-94	0.0036 U	0.0089	0.0027	0.0214	0.20 - 2.00
5B-00052	20136	Np-236	-0.004 U	0.023	0.007	0.047	0.20 - 2.00
5B-00052	20136	Np-239	0.003 U	0.063	0.019	0.139	0.20 - 2.00
5B-00052	20136	Pa-231	0.11 U	0.41	0.12	0.936	0.20 - 2.00
5B-00052	20136	Pb-212	1.49	0.018	0.06	2.69	0.20 - 2.00
5B-00052	20136	Pb-214	0.745	0.019	0.025	1.7	0.20 - 2.00
5B-00052	20136	Pu-236	0 U	0.0076	0.0017	7.79	0.20 - 2.00
5B-00052	20136	Pu-238	0.0012 U	0.007	0.0018	0.0415	0.20 - 2.00
5B-00052	20136	Pu-239/240	0.0011 U	0.0045	0.0012	0.0404	0.20 - 2.00
5B-00052	20136	Pu-244	0.0015	0.0021	0.0011	0.0313	0.20 - 2.00
5B-00052	20136	Sb-125	0.126 JSK	0.028	0.0082	0.354	0.20 - 2.00
5B-00052	20136	Sn-126	-2E-04 U	0.011	0.0031	0.0237	0.20 - 2.00
5B-00052	20136	Sr-90	-0.021 L U	0.037	0.01	0.485	0.20 - 2.00
5B-00052	20136	Te-125m	0.0292 JSK	0.0064	0.0019	0.0838	0.20 - 2.00
5B-00052	20136	Th-228	1.26	0.023	0.066	3.98	0.20 - 2.00
5B-00052	20136	Th-229	0.0091	0.0027	0.0031	0.145	0.20 - 2.00
5B-00052	20136	Th-230	0.918	0.011	0.051	2.2	0.20 - 2.00
5B-00052	20136	Th-232	1.3	0.009	0.067	3.1	0.20 - 2.00
5B-00052	20136	Th-234	1.35 R	0.11	0.069	3.19	0.20 - 2.00
5B-00052	20136	Tl-208	0.448	0.012	0.016	0.937	0.20 - 2.00
5B-00052	20136	Tm-171	-2.1 U	4.6	1.4	72.4	0.20 - 2.00
5B-00052	20136	U-233/234	0.693	0.012	0.042	2.02	0.20 - 2.00
5B-00052	20136	U-235/236	0.0288	0.012	0.0073	0.151	0.20 - 2.00
5B-00052	20136	U-238	0.734	0.009	0.044	1.8	0.20 - 2.00
5B-00053	20137	Ac-227	0.014 U	0.1	0.03	0.217	1.00 - 2.80
5B-00053	20137	Ac-228	1.25	0.069	0.042	2.4	1.00 - 2.80

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00053	20137	Am-241	0.0011 U	0.0039	0.0011	0.0454	1.00 - 2.80
5B-00053	20137	Bi-212	1.04	0.12	0.057	2.15	1.00 - 2.80
5B-00053	20137	Bi-214	0.695	0.026	0.027	1.59	1.00 - 2.80
5B-00053	20137	Cd-113m	-7 U	42	13	3030	1.00 - 2.80
5B-00053	20137	Cm-243/244	-0.001 U	0.0048	0.0008	0.0443	1.00 - 2.80
5B-00053	20137	Cm-245/246	0.0029 J	0.0026	0.0017	0.0401	1.00 - 2.80
5B-00053	20137	Cm-247/248	0.0019 U	0.0026	0.0013	0.0306	1.00 - 2.80
5B-00053	20137	Co-60	0.0015 U	0.016	0.0048	0.028	1.00 - 2.80
5B-00053	20137	Cs-134	-1E-04 U	0.057	0.0002	0.0864	1.00 - 2.80
5B-00053	20137	Cs-137	0.0196	0.012	0.006	0.207	1.00 - 2.80
5B-00053	20137	Eu-152	0.0008 U	0.038	0.0063	0.0566	1.00 - 2.80
5B-00053	20137	Eu-154	-0.041 U	0.091	0.028	0.15	1.00 - 2.80
5B-00053	20137	Eu-155	0.071 SK	0.046	0.019	0.231	1.00 - 2.80
5B-00053	20137	Ho-166m	0.0048 U	0.023	0.0051	0.0432	1.00 - 2.80
5B-00053	20137	K-40	19.4	0.11	0.59	32.4	1.00 - 2.80
5B-00053	20137	Na-22	-0.005 U	0.024	0.0071	0.037	1.00 - 2.80
5B-00053	20137	Nb-94	0.0036 U	0.014	0.003	0.0214	1.00 - 2.80
5B-00053	20137	Np-236	0.008 U	0.022	0.0066	0.047	1.00 - 2.80
5B-00053	20137	Np-239	0.018 U	0.082	0.025	0.139	1.00 - 2.80
5B-00053	20137	Pa-231	-0.14 U	0.62	0.19	0.936	1.00 - 2.80
5B-00053	20137	Pb-212	1.39	0.036	0.045	2.69	1.00 - 2.80
5B-00053	20137	Pb-214	0.724	0.024	0.032	1.7	1.00 - 2.80
5B-00053	20137	Pu-236	-1E-04 U	0.0048	0.0009	7.79	1.00 - 2.80
5B-00053	20137	Pu-238	0.0022	0.0039	0.0014	0.0415	1.00 - 2.80
5B-00053	20137	Pu-239/240	0.0013	0.0018	0.0009	0.0404	1.00 - 2.80
5B-00053	20137	Pu-244	0.0013	0.0018	0.0009	0.0313	1.00 - 2.80
5B-00053	20137	Sb-125	0.145 JSK	0.044	0.012	0.354	1.00 - 2.80
5B-00053	20137	Sn-126	-1E-04 U	0.013	0.0038	0.0237	1.00 - 2.80
5B-00053	20137	Sr-90	0 U	0.037	0.011	0.485	1.00 - 2.80
5B-00053	20137	Te-125m	0.0334 JSK	0.01	0.0027	0.0838	1.00 - 2.80
5B-00053	20137	Th-228	1.23	0.015	0.061	3.98	1.00 - 2.80
5B-00053	20137	Th-229	0.0141	0.0025	0.0037	0.145	1.00 - 2.80
5B-00053	20137	Th-230	0.777	0.01	0.042	2.2	1.00 - 2.80
5B-00053	20137	Th-232	1.27	0.002	0.062	3.1	1.00 - 2.80
5B-00053	20137	Th-234	0.619 R	0.22	0.069	3.19	1.00 - 2.80
5B-00053	20137	Tl-208	0.526	0.018	0.02	0.937	1.00 - 2.80
5B-00053	20137	Tm-171	-6.4 L U	9.8	3	72.4	1.00 - 2.80
5B-00053	20137	U-233/234	0.641	0.003	0.037	2.02	1.00 - 2.80
5B-00053	20137	U-235/236	0.0418	0.0091	0.0076	0.151	1.00 - 2.80
5B-00053	20137	U-238	0.634	0.009	0.037	1.8	1.00 - 2.80
5B-00054	20138	Ac-227	0.325 R	0.13	0.015	0.217	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00054	20138	Ac-228	1.13	0.076	0.041	2.4	1.00 - 4.00
5B-00054	20138	Am-241	-9E-04 U	0.0065	0.001	0.0454	1.00 - 4.00
5B-00054	20138	Bi-212	0.866	0.13	0.074	2.15	1.00 - 4.00
5B-00054	20138	Bi-214	0.676	0.021	0.025	1.59	1.00 - 4.00
5B-00054	20138	Cd-113m	5 U	39	12	3030	1.00 - 4.00
5B-00054	20138	Cm-243/244	0.0009 U	0.0063	0.0016	0.0443	1.00 - 4.00
5B-00054	20138	Cm-245/246	0.0016	0.0039	0.0012	0.0401	1.00 - 4.00
5B-00054	20138	Cm-247/248	-0.001 U	0.0048	0.0008	0.0306	1.00 - 4.00
5B-00054	20138	Co-60	0.0064 U	0.018	0.0044	0.028	1.00 - 4.00
5B-00054	20138	Cs-134	0.0146 U	0.044	0.0061	0.0864	1.00 - 4.00
5B-00054	20138	Cs-137	0 U	0.014	0.0042	0.207	1.00 - 4.00
5B-00054	20138	Eu-152	0.028	0.035	0.011	0.0566	1.00 - 4.00
5B-00054	20138	Eu-154	-0.034 U	0.099	0.03	0.15	1.00 - 4.00
5B-00054	20138	Eu-155	0.073 SK	0.032	0.013	0.231	1.00 - 4.00
5B-00054	20138	Ho-166m	0.0138 SK	0.023	0.0068	0.0432	1.00 - 4.00
5B-00054	20138	K-40	18.6	0.13	0.56	32.4	1.00 - 4.00
5B-00054	20138	Na-22	0.0074 U	0.022	0.0067	0.037	1.00 - 4.00
5B-00054	20138	Nb-94	0.0049 U	0.013	0.0039	0.0214	1.00 - 4.00
5B-00054	20138	Np-236	0.0019 U	0.029	0.0086	0.047	1.00 - 4.00
5B-00054	20138	Np-239	0.008 U	0.076	0.023	0.139	1.00 - 4.00
5B-00054	20138	Pa-231	0.13 U	0.55	0.12	0.936	1.00 - 4.00
5B-00054	20138	Pb-212	1.51	0.022	0.061	2.69	1.00 - 4.00
5B-00054	20138	Pb-214	0.721	0.023	0.026	1.7	1.00 - 4.00
5B-00054	20138	Pu-236	-9E-04 U	0.0055	0.0007	7.79	1.00 - 4.00
5B-00054	20138	Pu-238	0.0006 U	0.0055	0.0013	0.0415	1.00 - 4.00
5B-00054	20138	Pu-239/240	0.0023	0.002	0.0013	0.0404	1.00 - 4.00
5B-00054	20138	Pu-244	0.0018	0.0045	0.0014	0.0313	1.00 - 4.00
5B-00054	20138	Sb-125	0.129 JSK	0.039	0.011	0.354	1.00 - 4.00
5B-00054	20138	Sn-126	0 U	0.015	0.0046	0.0237	1.00 - 4.00
5B-00054	20138	Sr-90	-0.014 U	0.034	0.0096	0.485	1.00 - 4.00
5B-00054	20138	Te-125m	0.0299 JSK	0.009	0.0024	0.0838	1.00 - 4.00
5B-00054	20138	Th-228	1.25	0.013	0.064	3.98	1.00 - 4.00
5B-00054	20138	Th-229	0.0217	0.0088	0.005	0.145	1.00 - 4.00
5B-00054	20138	Th-230	0.888	0.003	0.048	2.2	1.00 - 4.00
5B-00054	20138	Th-232	1.24	0.012	0.064	3.1	1.00 - 4.00
5B-00054	20138	Th-234	0.602 R	0.13	0.048	3.19	1.00 - 4.00
5B-00054	20138	Tl-208	0.456	0.016	0.017	0.937	1.00 - 4.00
5B-00054	20138	Tm-171	-1.8 U	5.9	1.8	72.4	1.00 - 4.00
5B-00054	20138	U-233/234	0.635	0.007	0.036	2.02	1.00 - 4.00
5B-00054	20138	U-235/236	0.0214	0.0088	0.0054	0.151	1.00 - 4.00
5B-00054	20138	U-238	0.668	0.01	0.038	1.8	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00055	20139	Ac-227	0.04 U	0.13	0.02	0.217	1.00 - 5.00
5B-00055	20139	Ac-228	1.21	0.064	0.041	2.4	1.00 - 5.00
5B-00055	20139	Am-241	0.0011 U	0.0083	0.002	0.0454	1.00 - 5.00
5B-00055	20139	Bi-212	0.923	0.1	0.05	2.15	1.00 - 5.00
5B-00055	20139	Bi-214	0.705	0.019	0.025	1.59	1.00 - 5.00
5B-00055	20139	Cd-113m	17.8	26	8.1	3030	1.00 - 5.00
5B-00055	20139	Cm-243/244	-0.002 U	0.017	0.0041	0.0443	1.00 - 5.00
5B-00055	20139	Cm-245/246	-0.001 U J	0.0083	0.0013	0.0401	1.00 - 5.00
5B-00055	20139	Cm-247/248	0 U	0.003	0.0012	0.0306	1.00 - 5.00
5B-00055	20139	Co-60	0.0228 K	0.011	0.0057	0.028	1.00 - 5.00
5B-00055	20139	Cs-134	0.0059 U	0.051	0.002	0.0864	1.00 - 5.00
5B-00055	20139	Cs-137	-0.003 U	0.015	0.0045	0.207	1.00 - 5.00
5B-00055	20139	Eu-152	-0.012 U	0.036	0.011	0.0566	1.00 - 5.00
5B-00055	20139	Eu-154	-0.037 U	0.081	0.025	0.15	1.00 - 5.00
5B-00055	20139	Eu-155	0.082 SK	0.039	0.015	0.231	1.00 - 5.00
5B-00055	20139	Ho-166m	0.0112 SK	0.022	0.0075	0.0432	1.00 - 5.00
5B-00055	20139	K-40	18.8	0.09	0.56	32.4	1.00 - 5.00
5B-00055	20139	Na-22	0 U	0.02	0.0059	0.037	1.00 - 5.00
5B-00055	20139	Nb-94	0.009 SK	0.0098	0.0028	0.0214	1.00 - 5.00
5B-00055	20139	Np-236	-0.012 U	0.034	0.01	0.047	1.00 - 5.00
5B-00055	20139	Np-239	-0.027 U	0.087	0.026	0.139	1.00 - 5.00
5B-00055	20139	Pa-231	0.07 U	0.58	0.17	0.936	1.00 - 5.00
5B-00055	20139	Pb-212	1.5	0.022	0.045	2.69	1.00 - 5.00
5B-00055	20139	Pb-214	0.74	0.022	0.032	1.7	1.00 - 5.00
5B-00055	20139	Pu-236	0.0003 U	0.0045	0.0009	7.79	1.00 - 5.00
5B-00055	20139	Pu-238	0.006	0.002	0.0022	0.0415	1.00 - 5.00
5B-00055	20139	Pu-239/240	0.0041	0.0045	0.0019	0.0404	1.00 - 5.00
5B-00055	20139	Pu-244	0.0015	0.002	0.0011	0.0313	1.00 - 5.00
5B-00055	20139	Sb-125	0.142 JSK	0.04	0.011	0.354	1.00 - 5.00
5B-00055	20139	Sn-126	-0.002 U	0.014	0.0043	0.0237	1.00 - 5.00
5B-00055	20139	Sr-90	0.01 U	0.035	0.01	0.485	1.00 - 5.00
5B-00055	20139	Te-125m	0.0329 JSK	0.0092	0.0025	0.0838	1.00 - 5.00
5B-00055	20139	Th-228	1.27	0.017	0.066	3.98	1.00 - 5.00
5B-00055	20139	Th-229	0.013	0.0092	0.0042	0.145	1.00 - 5.00
5B-00055	20139	Th-230	1.03	0.013	0.056	2.2	1.00 - 5.00
5B-00055	20139	Th-232	1.34	0.003	0.069	3.1	1.00 - 5.00
5B-00055	20139	Th-234	1.32 R	0.19	0.073	3.19	1.00 - 5.00
5B-00055	20139	Tl-208	0.493	0.016	0.018	0.937	1.00 - 5.00
5B-00055	20139	Tm-171	-14.8 R U	8.7	2.7	72.4	1.00 - 5.00
5B-00055	20139	U-233/234	0.731	0.006	0.039	2.02	1.00 - 5.00
5B-00055	20139	U-235/236	0.0419	0.011	0.0071	0.151	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00055	20139	U-238	0.711	0.002	0.038	1.8	1.00 - 5.00
5B-00056	20140	Ac-227	0.29 R	0.13	0.013	0.217	1.00 - 5.00
5B-00056	20140	Ac-228	1.21	0.071	0.042	2.4	1.00 - 5.00
5B-00056	20140	Am-241	0.0021 U	0.011	0.0031	0.0454	1.00 - 5.00
5B-00056	20140	Bi-212	0.96	0.11	0.066	2.15	1.00 - 5.00
5B-00056	20140	Bi-214	0.668	0.019	0.024	1.59	1.00 - 5.00
5B-00056	20140	Cd-113m	0.7 U	36	11	3030	1.00 - 5.00
5B-00056	20140	Cm-243/244	0.001 U	0.0094	0.0024	0.0443	1.00 - 5.00
5B-00056	20140	Cm-245/246	0.001 U	0.0013	0.0007	0.0401	1.00 - 5.00
5B-00056	20140	Cm-247/248	0 U	0.0013	0.0005	0.0306	1.00 - 5.00
5B-00056	20140	Co-60	-0.003 U	0.016	0.0048	0.028	1.00 - 5.00
5B-00056	20140	Cs-134	0.0162 U	0.051	0.0063	0.0864	1.00 - 5.00
5B-00056	20140	Cs-137	-0.009 U	0.015	0.0045	0.207	1.00 - 5.00
5B-00056	20140	Eu-152	-0.009 U	0.036	0.011	0.0566	1.00 - 5.00
5B-00056	20140	Eu-154	0.006 U	0.087	0.026	0.15	1.00 - 5.00
5B-00056	20140	Eu-155	0.06 SK	0.043	0.018	0.231	1.00 - 5.00
5B-00056	20140	Ho-166m	0.0034 U	0.021	0.0064	0.0432	1.00 - 5.00
5B-00056	20140	K-40	18.6	0.09	0.56	32.4	1.00 - 5.00
5B-00056	20140	Na-22	-0.006 U	0.02	0.006	0.037	1.00 - 5.00
5B-00056	20140	Nb-94	0.0003 U	0.012	0.0035	0.0214	1.00 - 5.00
5B-00056	20140	Np-236	0.0089 U	0.026	0.008	0.047	1.00 - 5.00
5B-00056	20140	Np-239	0.022 U	0.083	0.025	0.139	1.00 - 5.00
5B-00056	20140	Pa-231	0.11 U	0.54	0.12	0.936	1.00 - 5.00
5B-00056	20140	Pb-212	1.26	0.03	0.04	2.69	1.00 - 5.00
5B-00056	20140	Pb-214	0.723	0.019	0.031	1.7	1.00 - 5.00
5B-00056	20140	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 5.00
5B-00056	20140	Pu-238	0.0018	0.0046	0.0014	0.0415	1.00 - 5.00
5B-00056	20140	Pu-239/240	0 U	0.0021	0.0007	0.0404	1.00 - 5.00
5B-00056	20140	Pu-244	0.0031	0.0021	0.0015	0.0313	1.00 - 5.00
5B-00056	20140	Sb-125	0.1 JSK	0.039	0.0078	0.354	1.00 - 5.00
5B-00056	20140	Sn-126	0.002 U	0.014	0.0043	0.0237	1.00 - 5.00
5B-00056	20140	Sr-90	-0.006 U	0.031	0.0091	0.485	1.00 - 5.00
5B-00056	20140	Te-125m	0.0232 JSK	0.0091	0.0018	0.0838	1.00 - 5.00
5B-00056	20140	Th-228	1.36	0.013	0.068	3.98	1.00 - 5.00
5B-00056	20140	Th-229	0.0063	0.013	0.0041	0.145	1.00 - 5.00
5B-00056	20140	Th-230	0.944	0.007	0.05	2.2	1.00 - 5.00
5B-00056	20140	Th-232	1.23	0.009	0.062	3.1	1.00 - 5.00
5B-00056	20140	Th-234	1.12 R	0.19	0.068	3.19	1.00 - 5.00
5B-00056	20140	Tl-208	0.468	0.014	0.017	0.937	1.00 - 5.00
5B-00056	20140	Tm-171	-14.6 R U	8.5	2.7	72.4	1.00 - 5.00
5B-00056	20140	U-233/234	0.723	0.009	0.038	2.02	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00056	20140	U-235/236	0.0364	0.0023	0.0058	0.151	1.00 - 5.00
5B-00056	20140	U-238	0.71	0.006	0.037	1.8	1.00 - 5.00
5B-00057	20141	Ac-227	0.023 U	0.11	0.041	0.217	0.20 - 2.20
5B-00057	20141	Ac-228	1.04	0.073	0.036	2.4	0.20 - 2.20
5B-00057	20141	Am-241	0.0004 U	0.0012	0.0004	0.0454	0.20 - 2.20
5B-00057	20141	Bi-212	0.89	0.12	0.072	2.15	0.20 - 2.20
5B-00057	20141	Bi-214	0.589	0.024	0.023	1.59	0.20 - 2.20
5B-00057	20141	Cd-113m	3.9 U	25	7.6	3030	0.20 - 2.20
5B-00057	20141	Cm-243/244	0.0004 U	0.0032	0.0008	0.0443	0.20 - 2.20
5B-00057	20141	Cm-245/246	0.0035	0.0016	0.0014	0.0401	0.20 - 2.20
5B-00057	20141	Cm-247/248	0 U	0.0042	0.0009	0.0306	0.20 - 2.20
5B-00057	20141	Co-60	0.0009 U	0.016	0.0008	0.028	0.20 - 2.20
5B-00057	20141	Cs-134	-0.011 L U	0.015	0.0045	0.0864	0.20 - 2.20
5B-00057	20141	Cs-137	0.0044 U	0.014	0.0055	0.207	0.20 - 2.20
5B-00057	20141	Eu-152	-0.009 U	0.032	0.0097	0.0566	0.20 - 2.20
5B-00057	20141	Eu-154	0.011 U	0.08	0.013	0.15	0.20 - 2.20
5B-00057	20141	Eu-155	0.068 SK	0.029	0.011	0.231	0.20 - 2.20
5B-00057	20141	Ho-166m	0.0085 U	0.02	0.0056	0.0432	0.20 - 2.20
5B-00057	20141	K-40	15.3	0.13	0.47	32.4	0.20 - 2.20
5B-00057	20141	Na-22	-7E-04 U	0.019	0.0057	0.037	0.20 - 2.20
5B-00057	20141	Nb-94	0.0013 U	0.012	0.0018	0.0214	0.20 - 2.20
5B-00057	20141	Np-236	-0.004 U	0.024	0.0073	0.047	0.20 - 2.20
5B-00057	20141	Np-239	0.01 U	0.071	0.021	0.139	0.20 - 2.20
5B-00057	20141	Pa-231	0.27	0.38	0.14	0.936	0.20 - 2.20
5B-00057	20141	Pb-212	1.37	0.02	0.056	2.69	0.20 - 2.20
5B-00057	20141	Pb-214	0.634	0.022	0.023	1.7	0.20 - 2.20
5B-00057	20141	Pu-236	0.0007 U	0.0019	0.0007	7.79	0.20 - 2.20
5B-00057	20141	Pu-238	0.0013 U	0.0052	0.0014	0.0415	0.20 - 2.20
5B-00057	20141	Pu-239/240	0.0021	0.0019	0.0012	0.0404	0.20 - 2.20
5B-00057	20141	Pu-244	0.0007 U	0.0019	0.0007	0.0313	0.20 - 2.20
5B-00057	20141	Sb-125	0.15 JSK	0.032	0.011	0.354	0.20 - 2.20
5B-00057	20141	Sn-126	0.0031 U	0.013	0.004	0.0237	0.20 - 2.20
5B-00057	20141	Sr-90	0.015 U	0.037	0.011	0.485	0.20 - 2.20
5B-00057	20141	Te-125m	0.0346 JSK	0.0073	0.0026	0.0838	0.20 - 2.20
5B-00057	20141	Th-228	1.29	0.02	0.066	3.98	0.20 - 2.20
5B-00057	20141	Th-229	0.006	0.0092	0.0032	0.145	0.20 - 2.20
5B-00057	20141	Th-230	0.895	0.008	0.049	2.2	0.20 - 2.20
5B-00057	20141	Th-232	1.23	0.008	0.063	3.1	0.20 - 2.20
5B-00057	20141	Th-234	0.484 R	0.13	0.044	3.19	0.20 - 2.20
5B-00057	20141	Tl-208	0.437	0.015	0.016	0.937	0.20 - 2.20
5B-00057	20141	Tm-171	-0.08 U	4.6	1.4	72.4	0.20 - 2.20

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00057	20141	U-233/234	0.606	0.003	0.029	2.02	0.20 - 2.20
5B-00057	20141	U-235/236	0.0308	0.0046	0.004	0.151	0.20 - 2.20
5B-00057	20141	U-238	0.64	0.0009	0.031	1.8	0.20 - 2.20
5B-00057	20142	Ac-227	0.017 U	0.11	0.02	0.217	0.00 - 0.50
5B-00057	20142	Ac-228	1.08	0.053	0.037	2.4	0.00 - 0.50
5B-00057	20142	Am-241	0.0012 U	0.0038	0.0011	0.0454	0.00 - 0.50
5B-00057	20142	Bi-212	0.8	0.083	0.051	2.15	0.00 - 0.50
5B-00057	20142	Bi-214	0.678	0.02	0.027	1.59	0.00 - 0.50
5B-00057	20142	Cd-113m	-0.6 U	31	9.4	3030	0.00 - 0.50
5B-00057	20142	Cm-243/244	0.0012	0.003	0.0009	0.0443	0.00 - 0.50
5B-00057	20142	Cm-245/246	0.001 U	0.0063	0.0017	0.0401	0.00 - 0.50
5B-00057	20142	Cm-247/248	0 U	0.0014	0.0006	0.0306	0.00 - 0.50
5B-00057	20142	Co-60	-1E-04 U	0.013	0.0002	0.028	0.00 - 0.50
5B-00057	20142	Cs-134	0.008 U	0.038	0.0022	0.0864	0.00 - 0.50
5B-00057	20142	Cs-137	-0.003 U	0.012	0.0035	0.207	0.00 - 0.50
5B-00057	20142	Eu-152	-0.01 U	0.027	0.0083	0.0566	0.00 - 0.50
5B-00057	20142	Eu-154	0.0032 U J	0.066	0.0041	0.15	0.00 - 0.50
5B-00057	20142	Eu-155	0.07 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00057	20142	Ho-166m	0.0238 JSK	0.018	0.0038	0.0432	0.00 - 0.50
5B-00057	20142	K-40	16.1	0.11	0.54	32.4	0.00 - 0.50
5B-00057	20142	Na-22	-0.005 U	0.017	0.0052	0.037	0.00 - 0.50
5B-00057	20142	Nb-94	0.0033 U	0.0099	0.003	0.0214	0.00 - 0.50
5B-00057	20142	Np-236	-9E-04 U	0.023	0.0069	0.047	0.00 - 0.50
5B-00057	20142	Np-239	0.01 U	0.067	0.02	0.139	0.00 - 0.50
5B-00057	20142	Pa-231	0.06 U	0.45	0.14	0.936	0.00 - 0.50
5B-00057	20142	Pb-212	1.35	0.018	0.071	2.69	0.00 - 0.50
5B-00057	20142	Pb-214	0.756	0.021	0.029	1.7	0.00 - 0.50
5B-00057	20142	Pu-236	-4E-04 U	0.004	0.0008	7.79	0.00 - 0.50
5B-00057	20142	Pu-238	0 U	0.0032	0.0007	0.0415	0.00 - 0.50
5B-00057	20142	Pu-239/240	0.0004 U	0.0012	0.0004	0.0404	0.00 - 0.50
5B-00057	20142	Pu-244	0.0022	0.0012	0.001	0.0313	0.00 - 0.50
5B-00057	20142	Sb-125	0.125 SK	0.03	0.0092	0.354	0.00 - 0.50
5B-00057	20142	Sn-126	0.0117	0.0093	0.0045	0.0237	0.00 - 0.50
5B-00057	20142	Sr-90	0.037	0.052	0.016	0.485	0.00 - 0.50
5B-00057	20142	Te-125m	0.0289 SK	0.0068	0.0021	0.0838	0.00 - 0.50
5B-00057	20142	Th-228	1.06	0.009	0.051	3.98	0.00 - 0.50
5B-00057	20142	Th-229	0.0113	0.0055	0.0032	0.145	0.00 - 0.50
5B-00057	20142	Th-230	0.755	0.004	0.038	2.2	0.00 - 0.50
5B-00057	20142	Th-232	1.07	0.005	0.052	3.1	0.00 - 0.50
5B-00057	20142	Th-234	1.17	0.12	0.07	3.19	0.00 - 0.50
5B-00057	20142	Tl-208	0.406	0.013	0.016	0.937	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00057	20142	Tm-171	-3.3 L U J	4.1	1.3	72.4	0.00 - 0.50
5B-00057	20142	U-233/234	0.593	0.003	0.029	2.02	0.00 - 0.50
5B-00057	20142	U-235/236	0.0332	0.0014	0.0043	0.151	0.00 - 0.50
5B-00057	20142	U-238	0.693	0.003	0.034	1.8	0.00 - 0.50
5B-00058	20143	Ac-227	0.38 RZ	0.15	0.017	0.217	1.00 - 5.00
5B-00058	20143	Ac-228	1.26	0.083	0.043	2.4	1.00 - 5.00
5B-00058	20143	Am-241	0 U	0.0069	0.0014	0.0454	1.00 - 5.00
5B-00058	20143	Bi-212	1.02	0.14	0.081	2.15	1.00 - 5.00
5B-00058	20143	Bi-214	0.926	0.027	0.033	1.59	1.00 - 5.00
5B-00058	20143	Cd-113m	-7 U	36	11	3030	1.00 - 5.00
5B-00058	20143	Cm-243/244	-9E-04 U	0.0068	0.001	0.0443	1.00 - 5.00
5B-00058	20143	Cm-245/246	0.002	0.0018	0.0011	0.0401	1.00 - 5.00
5B-00058	20143	Cm-247/248	0 U	0.0017	0.0007	0.0306	1.00 - 5.00
5B-00058	20143	Co-60	0.0005 U	0.019	0.0057	0.028	1.00 - 5.00
5B-00058	20143	Cs-134	0.0194 U J	0.054	0.0057	0.0864	1.00 - 5.00
5B-00058	20143	Cs-137	0.0041 U	0.013	0.0038	0.207	1.00 - 5.00
5B-00058	20143	Eu-152	0.006 U	0.032	0.0095	0.0566	1.00 - 5.00
5B-00058	20143	Eu-154	-0.003 U	0.11	0.0034	0.15	1.00 - 5.00
5B-00058	20143	Eu-155	0.079 RSK	0.034	0.014	0.231	1.00 - 5.00
5B-00058	20143	Ho-166m	0.0144 SK	0.02	0.0068	0.0432	1.00 - 5.00
5B-00058	20143	K-40	20.4	0.14	0.62	32.4	1.00 - 5.00
5B-00058	20143	Na-22	-0.005 U	0.026	0.0076	0.037	1.00 - 5.00
5B-00058	20143	Nb-94	0.007 U	0.014	0.0044	0.0214	1.00 - 5.00
5B-00058	20143	Np-236	0.0004 U	0.028	0.0083	0.047	1.00 - 5.00
5B-00058	20143	Np-239	-3E-04 U	0.082	0.025	0.139	1.00 - 5.00
5B-00058	20143	Pa-231	0.15 U	0.6	0.18	0.936	1.00 - 5.00
5B-00058	20143	Pb-212	1.61	0.022	0.065	2.69	1.00 - 5.00
5B-00058	20143	Pb-214	1.02	0.026	0.034	1.7	1.00 - 5.00
5B-00058	20143	Pu-236	0.0005 U	0.0034	0.0008	7.79	1.00 - 5.00
5B-00058	20143	Pu-238	-9E-04 U	0.0055	0.0012	0.0415	1.00 - 5.00
5B-00058	20143	Pu-239/240	-5E-04 U	0.0034	0.0005	0.0404	1.00 - 5.00
5B-00058	20143	Pu-244	0.0005 U	0.0012	0.0005	0.0313	1.00 - 5.00
5B-00058	20143	Sb-125	0.123 SK	0.041	0.0097	0.354	1.00 - 5.00
5B-00058	20143	Sn-126	-0.004 U	0.017	0.0051	0.0237	1.00 - 5.00
5B-00058	20143	Sr-90	0.034	0.039	0.012	0.485	1.00 - 5.00
5B-00058	20143	Te-125m	0.0284 SK	0.0096	0.0022	0.0838	1.00 - 5.00
5B-00058	20143	Th-228	1.38	0.013	0.067	3.98	1.00 - 5.00
5B-00058	20143	Th-229	0.0095	0.01	0.0039	0.145	1.00 - 5.00
5B-00058	20143	Th-230	0.996	0.008	0.051	2.2	1.00 - 5.00
5B-00058	20143	Th-232	1.3	0.006	0.064	3.1	1.00 - 5.00
5B-00058	20143	Th-234	1.44	0.15	0.083	3.19	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00058	20143	Tl-208	0.475	0.017	0.018	0.937	1.00 - 5.00
5B-00058	20143	Tm-171	-0.1 U	6.3	1.9	72.4	1.00 - 5.00
5B-00058	20143	U-233/234	0.922	0.011	0.049	2.02	1.00 - 5.00
5B-00058	20143	U-235/236	0.0392	0.012	0.0077	0.151	1.00 - 5.00
5B-00058	20143	U-238	0.869	0.012	0.047	1.8	1.00 - 5.00
5B-00059	20144	Ac-227	0.077	0.096	0.019	0.217	1.00 - 5.00
5B-00059	20144	Ac-228	1.18	0.083	0.042	2.4	1.00 - 5.00
5B-00059	20144	Am-241	0.0018 K	0.0016	0.001	0.0454	1.00 - 5.00
5B-00059	20144	Bi-212	1.07	0.12	0.078	2.15	1.00 - 5.00
5B-00059	20144	Bi-214	0.833	0.022	0.029	1.59	1.00 - 5.00
5B-00059	20144	Cd-113m	6 U	38	12	3030	1.00 - 5.00
5B-00059	20144	Cm-243/244	0.0006 U	0.0016	0.0006	0.0443	1.00 - 5.00
5B-00059	20144	Cm-245/246	0.0017	0.0015	0.001	0.0401	1.00 - 5.00
5B-00059	20144	Cm-247/248	0 U	0.0015	0.0006	0.0306	1.00 - 5.00
5B-00059	20144	Co-60	0.0023 U	0.018	0.0046	0.028	1.00 - 5.00
5B-00059	20144	Cs-134	0.0122 U J	0.047	0.0041	0.0864	1.00 - 5.00
5B-00059	20144	Cs-137	-0.003 U	0.015	0.0044	0.207	1.00 - 5.00
5B-00059	20144	Eu-152	0.013 U	0.035	0.012	0.0566	1.00 - 5.00
5B-00059	20144	Eu-154	-0.03 U	0.089	0.027	0.15	1.00 - 5.00
5B-00059	20144	Eu-155	0.088 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00059	20144	Ho-166m	0.01 JSK	0.02	0.0068	0.0432	1.00 - 5.00
5B-00059	20144	K-40	18.9	0.11	0.57	32.4	1.00 - 5.00
5B-00059	20144	Na-22	0 U	0.026	0.0045	0.037	1.00 - 5.00
5B-00059	20144	Nb-94	0.0034 U	0.013	0.003	0.0214	1.00 - 5.00
5B-00059	20144	Np-236	-0.001 U	0.029	0.0087	0.047	1.00 - 5.00
5B-00059	20144	Np-239	0.022 U	0.075	0.023	0.139	1.00 - 5.00
5B-00059	20144	Pa-231	0.009 U	0.44	0.13	0.936	1.00 - 5.00
5B-00059	20144	Pb-212	1.56	0.021	0.063	2.69	1.00 - 5.00
5B-00059	20144	Pb-214	0.926	0.022	0.031	1.7	1.00 - 5.00
5B-00059	20144	Pu-236	0 U	0.0018	0.0006	7.79	1.00 - 5.00
5B-00059	20144	Pu-238	0.0023	0.004	0.0014	0.0415	1.00 - 5.00
5B-00059	20144	Pu-239/240	0.002	0.0018	0.0012	0.0404	1.00 - 5.00
5B-00059	20144	Pu-244	0.0033	0.0018	0.0015	0.0313	1.00 - 5.00
5B-00059	20144	Sb-125	0.122 SK	0.037	0.0097	0.354	1.00 - 5.00
5B-00059	20144	Sn-126	0.0038 U	0.011	0.0034	0.0237	1.00 - 5.00
5B-00059	20144	Sr-90	0.015 U	0.036	0.011	0.485	1.00 - 5.00
5B-00059	20144	Te-125m	0.0282 SK	0.0086	0.0022	0.0838	1.00 - 5.00
5B-00059	20144	Th-228	1.47	0.034	0.081	3.98	1.00 - 5.00
5B-00059	20144	Th-229	0.0036	0.0083	0.0026	0.145	1.00 - 5.00
5B-00059	20144	Th-230	0.954	0.005	0.058	2.2	1.00 - 5.00
5B-00059	20144	Th-232	1.37	0.013	0.076	3.1	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00059	20144	Th-234	1.31 R	0.13	0.074	3.19	1.00 - 5.00
5B-00059	20144	Tl-208	0.476	0.018	0.018	0.937	1.00 - 5.00
5B-00059	20144	Tm-171	0.9 U	4.6	1.4	72.4	1.00 - 5.00
5B-00059	20144	U-233/234	0.77	0.01	0.043	2.02	1.00 - 5.00
5B-00059	20144	U-233/234	0.717	0.009	0.04	2.02	1.00 - 5.00
5B-00059	20144	U-235/236	0.0458	0.0034	0.0078	0.151	1.00 - 5.00
5B-00059	20144	U-235/236	0.0492	0.0036	0.0084	0.151	1.00 - 5.00
5B-00059	20144	U-238	0.821	0.008	0.045	1.8	1.00 - 5.00
5B-00059	20144	U-238	0.764	0.007	0.042	1.8	1.00 - 5.00
5B-00059	20145	Ac-227	0.0028 U	0.13	0.0036	0.217	0.00 - 0.50
5B-00059	20145	Ac-228	1.09	0.069	0.04	2.4	0.00 - 0.50
5B-00059	20145	Am-241	0.0012 U	0.0017	0.0009	0.0454	0.00 - 0.50
5B-00059	20145	Bi-212	0.935	0.11	0.068	2.15	0.00 - 0.50
5B-00059	20145	Bi-214	0.742	0.023	0.028	1.59	0.00 - 0.50
5B-00059	20145	Cd-113m	13 U	32	9.6	3030	0.00 - 0.50
5B-00059	20145	Cm-243/244	-6E-04 U	0.0045	0.0007	0.0443	0.00 - 0.50
5B-00059	20145	Cm-245/246	0.0024 J	0.0016	0.0012	0.0401	0.00 - 0.50
5B-00059	20145	Cm-247/248	0 U	0.0016	0.0007	0.0306	0.00 - 0.50
5B-00059	20145	Co-60	0.0007 U	0.016	0.001	0.028	0.00 - 0.50
5B-00059	20145	Cs-134	0.002 U	0.054	0.016	0.0864	0.00 - 0.50
5B-00059	20145	Cs-137	0.0057	0.01	0.0041	0.207	0.00 - 0.50
5B-00059	20145	Eu-152	0.01 U	0.037	0.011	0.0566	0.00 - 0.50
5B-00059	20145	Eu-154	0.025 U	0.086	0.023	0.15	0.00 - 0.50
5B-00059	20145	Eu-155	0.088 SK	0.043	0.018	0.231	0.00 - 0.50
5B-00059	20145	Ho-166m	0.0145 SK	0.022	0.0021	0.0432	0.00 - 0.50
5B-00059	20145	K-40	15.3	0.1	0.47	32.4	0.00 - 0.50
5B-00059	20145	Na-22	0.0002 U	0.02	0.0058	0.037	0.00 - 0.50
5B-00059	20145	Nb-94	0.0035 U	0.013	0.0027	0.0214	0.00 - 0.50
5B-00059	20145	Np-236	-2E-04 U	0.035	0.011	0.047	0.00 - 0.50
5B-00059	20145	Np-239	0.018 U	0.085	0.026	0.139	0.00 - 0.50
5B-00059	20145	Pa-231	0.13 U	0.37	0.11	0.936	0.00 - 0.50
5B-00059	20145	Pb-212	1.17	0.032	0.039	2.69	0.00 - 0.50
5B-00059	20145	Pb-214	0.756	0.024	0.033	1.7	0.00 - 0.50
5B-00059	20145	Pu-236	0.0062	0.0045	0.0022	7.79	0.00 - 0.50
5B-00059	20145	Pu-238	0.0043	0.0057	0.0021	0.0415	0.00 - 0.50
5B-00059	20145	Pu-239/240	0.0025	0.0045	0.0015	0.0404	0.00 - 0.50
5B-00059	20145	Pu-244	0 U	0.0017	0.0007	0.0313	0.00 - 0.50
5B-00059	20145	Sb-125	0.0899 SK	0.041	0.0079	0.354	0.00 - 0.50
5B-00059	20145	Sn-126	0.0017 U	0.015	0.0044	0.0237	0.00 - 0.50
5B-00059	20145	Sr-90	0.022	0.034	0.011	0.485	0.00 - 0.50
5B-00059	20145	Te-125m	0.0208 SK	0.0095	0.0018	0.0838	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00059	20145	Th-228	1.19	0.018	0.061	3.98	0.00 - 0.50
5B-00059	20145	Th-229	0.011	0.0062	0.0033	0.145	0.00 - 0.50
5B-00059	20145	Th-230	0.81	0.012	0.045	2.2	0.00 - 0.50
5B-00059	20145	Th-232	1.2	0.003	0.062	3.1	0.00 - 0.50
5B-00059	20145	Th-234	1.06	0.19	0.07	3.19	0.00 - 0.50
5B-00059	20145	Tl-208	0.418	0.015	0.016	0.937	0.00 - 0.50
5B-00059	20145	Tm-171	-13.2 R U	8.7	2.7	72.4	0.00 - 0.50
5B-00059	20145	U-233/234	0.516	0.005	0.026	2.02	0.00 - 0.50
5B-00059	20145	U-235/236	0.0335	0.0014	0.0044	0.151	0.00 - 0.50
5B-00059	20145	U-238	0.553	0.004	0.028	1.8	0.00 - 0.50
5B-00060	20146	Ac-227	-0.001 U	0.12	0.036	0.217	1.00 - 5.00
5B-00060	20146	Ac-228	1.2	0.068	0.041	2.4	1.00 - 5.00
5B-00060	20146	Am-241	0.004	0.0042	0.0018	0.0454	1.00 - 5.00
5B-00060	20146	Bi-212	0.906	0.1	0.059	2.15	1.00 - 5.00
5B-00060	20146	Bi-214	0.682	0.021	0.025	1.59	1.00 - 5.00
5B-00060	20146	Cd-113m	7 U	38	11	3030	1.00 - 5.00
5B-00060	20146	Cm-243/244	0 U	0.0041	0.0008	0.0443	1.00 - 5.00
5B-00060	20146	Cm-245/246	0.0014 U	0.0019	0.001	0.0401	1.00 - 5.00
5B-00060	20146	Cm-247/248	0.0014	0.0019	0.001	0.0306	1.00 - 5.00
5B-00060	20146	Co-60	0.0004 U	0.017	0.005	0.028	1.00 - 5.00
5B-00060	20146	Cs-134	0.0024 U J	0.05	0.0056	0.0864	1.00 - 5.00
5B-00060	20146	Cs-137	-5E-04 U	0.01	0.0031	0.207	1.00 - 5.00
5B-00060	20146	Eu-152	-0.013 U	0.036	0.011	0.0566	1.00 - 5.00
5B-00060	20146	Eu-154	-0.019 U	0.089	0.027	0.15	1.00 - 5.00
5B-00060	20146	Eu-155	0.052 SK	0.04	0.012	0.231	1.00 - 5.00
5B-00060	20146	Ho-166m	0.0046 U J	0.022	0.0061	0.0432	1.00 - 5.00
5B-00060	20146	K-40	17.7	0.1	0.53	32.4	1.00 - 5.00
5B-00060	20146	Na-22	-0.006 U	0.02	0.0059	0.037	1.00 - 5.00
5B-00060	20146	Nb-94	0.0041 U	0.012	0.0026	0.0214	1.00 - 5.00
5B-00060	20146	Np-236	-0.008 U	0.033	0.01	0.047	1.00 - 5.00
5B-00060	20146	Np-239	-0.017 U	0.086	0.026	0.139	1.00 - 5.00
5B-00060	20146	Pa-231	0.02 U	0.44	0.12	0.936	1.00 - 5.00
5B-00060	20146	Pb-212	1.29	0.031	0.041	2.69	1.00 - 5.00
5B-00060	20146	Pb-214	0.72	0.025	0.032	1.7	1.00 - 5.00
5B-00060	20146	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 5.00
5B-00060	20146	Pu-238	0.001 U	0.0043	0.0011	0.0415	1.00 - 5.00
5B-00060	20146	Pu-239/240	0 U	0.002	0.0006	0.0404	1.00 - 5.00
5B-00060	20146	Pu-244	0.0015	0.002	0.001	0.0313	1.00 - 5.00
5B-00060	20146	Sb-125	0.145 SK	0.04	0.013	0.354	1.00 - 5.00
5B-00060	20146	Sn-126	-0.001 U	0.014	0.0041	0.0237	1.00 - 5.00
5B-00060	20146	Sr-90	0.017 U	0.033	0.01	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00060	20146	Te-125m	0.0334 SK	0.0092	0.0029	0.0838	1.00 - 5.00
5B-00060	20146	Th-228	1.31	0.018	0.065	3.98	1.00 - 5.00
5B-00060	20146	Th-229	0.0089	0.0075	0.0032	0.145	1.00 - 5.00
5B-00060	20146	Th-230	0.926	0.008	0.048	2.2	1.00 - 5.00
5B-00060	20146	Th-232	1.29	0.005	0.064	3.1	1.00 - 5.00
5B-00060	20146	Th-234	1.14 R	0.19	0.07	3.19	1.00 - 5.00
5B-00060	20146	Tl-208	0.47	0.016	0.018	0.937	1.00 - 5.00
5B-00060	20146	Tm-171	-9.5 R U J	8.9	2.8	72.4	1.00 - 5.00
5B-00060	20146	U-233/234	0.575	0.005	0.029	2.02	1.00 - 5.00
5B-00060	20146	U-233/234	0.625	0.005	0.031	2.02	1.00 - 5.00
5B-00060	20146	U-235/236	0.0285	0.004	0.0042	0.151	1.00 - 5.00
5B-00060	20146	U-235/236	0.031	0.0044	0.0046	0.151	1.00 - 5.00
5B-00060	20146	U-238	0.605	0.003	0.03	1.8	1.00 - 5.00
5B-00060	20146	U-238	0.657	0.004	0.033	1.8	1.00 - 5.00
5B-00061	20147	Ac-227	0.086	0.078	0.015	0.217	1.00 - 4.50
5B-00061	20147	Ac-228	1.17	0.072	0.039	2.4	1.00 - 4.50
5B-00061	20147	Am-241	0 U	0.002	0.0008	0.0454	1.00 - 4.50
5B-00061	20147	Bi-212	1.01	0.12	0.076	2.15	1.00 - 4.50
5B-00061	20147	Bi-214	0.676	0.022	0.025	1.59	1.00 - 4.50
5B-00061	20147	Cd-113m	3 U	37	11	3030	1.00 - 4.50
5B-00061	20147	Cm-243/244	0.0007 U	0.0054	0.0013	0.0443	1.00 - 4.50
5B-00061	20147	Cm-245/246	0.0025	0.0031	0.0012	0.0401	1.00 - 4.50
5B-00061	20147	Cm-247/248	0.0004 U	0.003	0.0007	0.0306	1.00 - 4.50
5B-00061	20147	Co-60	-2E-04 U	0.017	0.0051	0.028	1.00 - 4.50
5B-00061	20147	Cs-134	0.0073 U	0.042	0.0024	0.0864	1.00 - 4.50
5B-00061	20147	Cs-137	-0.002 U	0.014	0.0043	0.207	1.00 - 4.50
5B-00061	20147	Eu-152	-0.008 U	0.034	0.01	0.0566	1.00 - 4.50
5B-00061	20147	Eu-154	0.013 U	0.091	0.013	0.15	1.00 - 4.50
5B-00061	20147	Eu-155	0.064 SK	0.031	0.013	0.231	1.00 - 4.50
5B-00061	20147	Ho-166m	0.0004 U	0.022	0.0004	0.0432	1.00 - 4.50
5B-00061	20147	K-40	18.6	0.13	0.56	32.4	1.00 - 4.50
5B-00061	20147	Na-22	0.0034 U	0.022	0.0065	0.037	1.00 - 4.50
5B-00061	20147	Nb-94	0.0064 SK	0.012	0.0037	0.0214	1.00 - 4.50
5B-00061	20147	Np-236	-0.003 U	0.027	0.0082	0.047	1.00 - 4.50
5B-00061	20147	Np-239	0.005 U	0.06	0.018	0.139	1.00 - 4.50
5B-00061	20147	Pa-231	0.13 U	0.52	0.16	0.936	1.00 - 4.50
5B-00061	20147	Pb-212	1.51	0.019	0.061	2.69	1.00 - 4.50
5B-00061	20147	Pb-214	0.726	0.021	0.025	1.7	1.00 - 4.50
5B-00061	20147	Pu-236	0.0008 U	0.0021	0.0008	7.79	1.00 - 4.50
5B-00061	20147	Pu-238	0.0015	0.0021	0.0011	0.0415	1.00 - 4.50
5B-00061	20147	Pu-239/240	0.0015	0.0021	0.0011	0.0404	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00061	20147	Pu-244	0.0038	0.0021	0.0017	0.0313	1.00 - 4.50
5B-00061	20147	Sb-125	0.119 JSK	0.031	0.0089	0.354	1.00 - 4.50
5B-00061	20147	Sn-126	0.0027 U	0.014	0.0043	0.0237	1.00 - 4.50
5B-00061	20147	Sr-90	0.0073 U	0.031	0.0093	0.485	1.00 - 4.50
5B-00061	20147	Te-125m	0.0275 JSK	0.0073	0.0021	0.0838	1.00 - 4.50
5B-00061	20147	Th-228	1.27	0.015	0.063	3.98	1.00 - 4.50
5B-00061	20147	Th-229	0.0156	0.011	0.0047	0.145	1.00 - 4.50
5B-00061	20147	Th-230	0.884	0.003	0.047	2.2	1.00 - 4.50
5B-00061	20147	Th-232	1.22	0.003	0.061	3.1	1.00 - 4.50
5B-00061	20147	Th-234	0.316 R	0.13	0.043	3.19	1.00 - 4.50
5B-00061	20147	Tl-208	0.466	0.015	0.017	0.937	1.00 - 4.50
5B-00061	20147	Tm-171	-2.9 L U	4.7	1.4	72.4	1.00 - 4.50
5B-00061	20147	U-233/234	0.641	0.004	0.033	2.02	1.00 - 4.50
5B-00061	20147	U-235/236	0.0287	0.0048	0.0046	0.151	1.00 - 4.50
5B-00061	20147	U-238	0.626	0.005	0.032	1.8	1.00 - 4.50
5B-00061	20148	Ac-227	0.02 U	0.11	0.039	0.217	0.00 - 0.50
5B-00061	20148	Ac-228	1.12	0.052	0.04	2.4	0.00 - 0.50
5B-00061	20148	Am-241	0.002	0.0013	0.001	0.0454	0.00 - 0.50
5B-00061	20148	Bi-212	0.868	0.1	0.064	2.15	0.00 - 0.50
5B-00061	20148	Bi-214	0.712	0.018	0.027	1.59	0.00 - 0.50
5B-00061	20148	Cd-113m	-6.7 U	31	9.4	3030	0.00 - 0.50
5B-00061	20148	Cm-243/244	0.0005 U	0.0045	0.0011	0.0443	0.00 - 0.50
5B-00061	20148	Cm-245/246	0.0019	0.0013	0.001	0.0401	0.00 - 0.50
5B-00061	20148	Cm-247/248	0.0009 U	0.0013	0.0007	0.0306	0.00 - 0.50
5B-00061	20148	Co-60	0.0016 U	0.012	0.0021	0.028	0.00 - 0.50
5B-00061	20148	Cs-134	0.0056 U	0.031	0.0018	0.0864	0.00 - 0.50
5B-00061	20148	Cs-137	0.0071	0.0086	0.0039	0.207	0.00 - 0.50
5B-00061	20148	Eu-152	-0.007 U	0.028	0.0083	0.0566	0.00 - 0.50
5B-00061	20148	Eu-154	-0.027 U	0.07	0.021	0.15	0.00 - 0.50
5B-00061	20148	Eu-155	0.06 SK	0.026	0.01	0.231	0.00 - 0.50
5B-00061	20148	Ho-166m	-0.002 U	0.018	0.0053	0.0432	0.00 - 0.50
5B-00061	20148	K-40	17.2	0.12	0.57	32.4	0.00 - 0.50
5B-00061	20148	Na-22	0.0002 U	0.014	0.0042	0.037	0.00 - 0.50
5B-00061	20148	Nb-94	0.0046 U	0.0097	0.0029	0.0214	0.00 - 0.50
5B-00061	20148	Np-236	-0.003 U	0.024	0.0074	0.047	0.00 - 0.50
5B-00061	20148	Np-239	-0.015 U	0.07	0.021	0.139	0.00 - 0.50
5B-00061	20148	Pa-231	0 U	0.44	0.096	0.936	0.00 - 0.50
5B-00061	20148	Pb-212	1.41	0.018	0.075	2.69	0.00 - 0.50
5B-00061	20148	Pb-214	0.825	0.021	0.031	1.7	0.00 - 0.50
5B-00061	20148	Pu-236	-5E-04 U	0.0047	0.0005	7.79	0.00 - 0.50
5B-00061	20148	Pu-238	-2E-04 U	0.0058	0.0011	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00061	20148	Pu-239/240	0.0016	0.0022	0.0011	0.0404	0.00 - 0.50
5B-00061	20148	Pu-244	0.0024	0.0022	0.0014	0.0313	0.00 - 0.50
5B-00061	20148	Sb-125	0.128 SK	0.03	0.009	0.354	0.00 - 0.50
5B-00061	20148	Sn-126	-0.002 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00061	20148	Sr-90	0.038	0.055	0.017	0.485	0.00 - 0.50
5B-00061	20148	Te-125m	0.0296 SK	0.0068	0.0021	0.0838	0.00 - 0.50
5B-00061	20148	Th-228	1.21	0.015	0.06	3.98	0.00 - 0.50
5B-00061	20148	Th-229	0.0183	0.0081	0.0045	0.145	0.00 - 0.50
5B-00061	20148	Th-230	0.898	0.006	0.046	2.2	0.00 - 0.50
5B-00061	20148	Th-232	1.14	0.006	0.057	3.1	0.00 - 0.50
5B-00061	20148	Th-234	0.359	0.12	0.041	3.19	0.00 - 0.50
5B-00061	20148	Tl-208	0.42	0.014	0.017	0.937	0.00 - 0.50
5B-00061	20148	Tm-171	-2.7 U	4.6	1.4	72.4	0.00 - 0.50
5B-00061	20148	U-233/234	0.593	0.003	0.029	2.02	0.00 - 0.50
5B-00061	20148	U-235/236	0.0362	0.0042	0.0044	0.151	0.00 - 0.50
5B-00061	20148	U-238	0.631	0.001	0.031	1.8	0.00 - 0.50
5B-00062	20149	Ac-227	0.05	0.1	0.011	0.217	1.00 - 5.00
5B-00062	20149	Ac-228	1.07	0.061	0.036	2.4	1.00 - 5.00
5B-00062	20149	Am-241	0.0018	0.0012	0.0009	0.0454	1.00 - 5.00
5B-00062	20149	Bi-212	0.84	0.077	0.048	2.15	1.00 - 5.00
5B-00062	20149	Bi-214	0.698	0.016	0.024	1.59	1.00 - 5.00
5B-00062	20149	Cd-113m	6.2 U	28	8.5	3030	1.00 - 5.00
5B-00062	20149	Cm-243/244	-5E-04 U	0.0033	0.0005	0.0443	1.00 - 5.00
5B-00062	20149	Cm-245/246	0.0034	0.0046	0.0018	0.0401	1.00 - 5.00
5B-00062	20149	Cm-247/248	0.0018	0.0045	0.0014	0.0306	1.00 - 5.00
5B-00062	20149	Co-60	0.0005 U	0.011	0.0034	0.028	1.00 - 5.00
5B-00062	20149	Cs-134	-0.001 U J	0.031	0.0037	0.0864	1.00 - 5.00
5B-00062	20149	Cs-137	0 U	0.01	0.0031	0.207	1.00 - 5.00
5B-00062	20149	Eu-152	0.0037 U	0.02	0.0059	0.0566	1.00 - 5.00
5B-00062	20149	Eu-154	-0.032 U	0.061	0.019	0.15	1.00 - 5.00
5B-00062	20149	Eu-155	0.063 SK	0.025	0.01	0.231	1.00 - 5.00
5B-00062	20149	Ho-166m	-0.003 U J	0.014	0.0043	0.0432	1.00 - 5.00
5B-00062	20149	K-40	16.7	0.1	0.49	32.4	1.00 - 5.00
5B-00062	20149	Na-22	-0.002 U	0.015	0.0044	0.037	1.00 - 5.00
5B-00062	20149	Nb-94	0.0026 U	0.0089	0.0019	0.0214	1.00 - 5.00
5B-00062	20149	Np-236	-0.006 U	0.023	0.0068	0.047	1.00 - 5.00
5B-00062	20149	Np-239	-0.007 U	0.061	0.019	0.139	1.00 - 5.00
5B-00062	20149	Pa-231	0.064 U	0.41	0.047	0.936	1.00 - 5.00
5B-00062	20149	Pb-212	1.4	0.017	0.056	2.69	1.00 - 5.00
5B-00062	20149	Pb-214	0.787	0.017	0.026	1.7	1.00 - 5.00
5B-00062	20149	Pu-236	-0.002 U	0.0077	0.0012	7.79	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00062	20149	Pu-238	-9E-04 U	0.0087	0.0019	0.0415	1.00 - 5.00
5B-00062	20149	Pu-239/240	-5E-04 U	0.0046	0.0005	0.0404	1.00 - 5.00
5B-00062	20149	Pu-244	-2E-04 U	0.0056	0.0011	0.0313	1.00 - 5.00
5B-00062	20149	Sb-125	0.102 SK	0.027	0.0067	0.354	1.00 - 5.00
5B-00062	20149	Sn-126	-2E-04 U	0.0084	0.0025	0.0237	1.00 - 5.00
5B-00062	20149	Sr-90	-7E-04 U	0.03	0.0085	0.485	1.00 - 5.00
5B-00062	20149	Te-125m	0.0236 SK	0.0063	0.0015	0.0838	1.00 - 5.00
5B-00062	20149	Th-228	1.64	0.011	0.077	3.98	1.00 - 5.00
5B-00062	20149	Th-229	0.0099	0.011	0.0041	0.145	1.00 - 5.00
5B-00062	20149	Th-230	1.18	0.009	0.058	2.2	1.00 - 5.00
5B-00062	20149	Th-232	1.65	0.008	0.078	3.1	1.00 - 5.00
5B-00062	20149	Th-234	0.321 R	0.11	0.037	3.19	1.00 - 5.00
5B-00062	20149	Tl-208	0.406	0.013	0.015	0.937	1.00 - 5.00
5B-00062	20149	Tm-171	0.4 U	3.7	1.1	72.4	1.00 - 5.00
5B-00062	20149	U-233/234	0.713	0.004	0.035	2.02	1.00 - 5.00
5B-00062	20149	U-233/234	0.666	0.004	0.033	2.02	1.00 - 5.00
5B-00062	20149	U-235/236	0.0388	0.0061	0.0052	0.151	1.00 - 5.00
5B-00062	20149	U-235/236	0.0362	0.0057	0.0048	0.151	1.00 - 5.00
5B-00062	20149	U-238	0.773	0.001	0.038	1.8	1.00 - 5.00
5B-00062	20149	U-238	0.722	0.001	0.035	1.8	1.00 - 5.00
5B-00062	20150	Ac-227	0.042 U	0.1	0.042	0.217	0.00 - 0.50
5B-00062	20150	Ac-228	1.1	0.056	0.04	2.4	0.00 - 0.50
5B-00062	20150	Am-241	0.0013	0.0012	0.0008	0.0454	0.00 - 0.50
5B-00062	20150	Am-241	0.0022	0.0042	0.0014	0.0454	0.00 - 0.50
5B-00062	20150	Bi-212	0.881	0.1	0.067	2.15	0.00 - 0.50
5B-00062	20150	Bi-214	0.716	0.021	0.028	1.59	0.00 - 0.50
5B-00062	20150	Cd-113m	4.7 U	31	9.3	3030	0.00 - 0.50
5B-00062	20150	Cm-243/244	0.0009 U	0.0032	0.0009	0.0443	0.00 - 0.50
5B-00062	20150	Cm-243/244	0.0004 U	0.0041	0.001	0.0443	0.00 - 0.50
5B-00062	20150	Cm-245/246	0.0025	0.0014	0.0011	0.0401	0.00 - 0.50
5B-00062	20150	Cm-247/248	0 U	0.0037	0.0008	0.0306	0.00 - 0.50
5B-00062	20150	Co-60	-0.002 U	0.01	0.003	0.028	0.00 - 0.50
5B-00062	20150	Cs-134	0.014 U	0.033	0.0044	0.0864	0.00 - 0.50
5B-00062	20150	Cs-137	0.002 U	0.012	0.0035	0.207	0.00 - 0.50
5B-00062	20150	Eu-152	-0.01 U	0.027	0.0081	0.0566	0.00 - 0.50
5B-00062	20150	Eu-154	0.011 U	0.041	0.012	0.15	0.00 - 0.50
5B-00062	20150	Eu-155	0.083 SK	0.029	0.013	0.231	0.00 - 0.50
5B-00062	20150	Ho-166m	-0.002 U	0.018	0.0013	0.0432	0.00 - 0.50
5B-00062	20150	K-40	16.7	0.13	0.56	32.4	0.00 - 0.50
5B-00062	20150	Na-22	-5E-04 U	0.016	0.0049	0.037	0.00 - 0.50
5B-00062	20150	Nb-94	0.0047 U	0.01	0.003	0.0214	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00062	20150	Np-236	0.002 U	0.017	0.0051	0.047	0.00 - 0.50
5B-00062	20150	Np-239	0.012 U	0.069	0.021	0.139	0.00 - 0.50
5B-00062	20150	Pa-231	0.02 U	0.45	0.13	0.936	0.00 - 0.50
5B-00062	20150	Pb-212	1.38	0.019	0.073	2.69	0.00 - 0.50
5B-00062	20150	Pb-214	0.802	0.021	0.03	1.7	0.00 - 0.50
5B-00062	20150	Pu-236	0.0009 U	0.0024	0.0009	7.79	0.00 - 0.50
5B-00062	20150	Pu-238	0.0002 U	0.0075	0.0016	0.0415	0.00 - 0.50
5B-00062	20150	Pu-239/240	-0.001 U	0.0065	0.0009	0.0404	0.00 - 0.50
5B-00062	20150	Pu-244	0.0027	0.0024	0.0016	0.0313	0.00 - 0.50
5B-00062	20150	Sb-125	0.09 SK	0.029	0.0066	0.354	0.00 - 0.50
5B-00062	20150	Sn-126	-0.001 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00062	20150	Sr-90	-0.002 U	0.056	0.016	0.485	0.00 - 0.50
5B-00062	20150	Te-125m	0.0208 SK	0.0068	0.0015	0.0838	0.00 - 0.50
5B-00062	20150	Th-228	1.14	0.015	0.057	3.98	0.00 - 0.50
5B-00062	20150	Th-229	0.0088	0.0086	0.0034	0.145	0.00 - 0.50
5B-00062	20150	Th-230	0.799	0.006	0.042	2.2	0.00 - 0.50
5B-00062	20150	Th-232	1.07	0.006	0.053	3.1	0.00 - 0.50
5B-00062	20150	Th-234	0.245	0.13	0.04	3.19	0.00 - 0.50
5B-00062	20150	Tl-208	0.424	0.014	0.017	0.937	0.00 - 0.50
5B-00062	20150	Tm-171	-2.2 U	4.6	1.4	72.4	0.00 - 0.50
5B-00062	20150	U-233/234	0.609	0.003	0.03	2.02	0.00 - 0.50
5B-00062	20150	U-235/236	0.0385	0.0014	0.0047	0.151	0.00 - 0.50
5B-00062	20150	U-238	0.654	0.003	0.032	1.8	0.00 - 0.50
5B-00063	20151	Ac-227	0.075	0.12	0.019	0.217	1.00 - 4.00
5B-00063	20151	Ac-228	1.28	0.065	0.044	2.4	1.00 - 4.00
5B-00063	20151	Am-241	0.0015 U	0.0021	0.0011	0.0454	1.00 - 4.00
5B-00063	20151	Bi-212	1.04	0.11	0.067	2.15	1.00 - 4.00
5B-00063	20151	Bi-214	0.781	0.023	0.031	1.59	1.00 - 4.00
5B-00063	20151	Cd-113m	-1 U	35	11	3030	1.00 - 4.00
5B-00063	20151	Cm-243/244	0.0022	0.0055	0.0017	0.0443	1.00 - 4.00
5B-00063	20151	Cm-245/246	-0.002 U J	0.01	0.0021	0.0401	1.00 - 4.00
5B-00063	20151	Cm-247/248	0.0029	0.0026	0.0017	0.0306	1.00 - 4.00
5B-00063	20151	Co-60	-0.003 U	0.015	0.0046	0.028	1.00 - 4.00
5B-00063	20151	Cs-134	0.0191 U J	0.044	0.0054	0.0864	1.00 - 4.00
5B-00063	20151	Cs-137	-0.009 L U	0.013	0.0041	0.207	1.00 - 4.00
5B-00063	20151	Eu-152	-9E-04 U	0.032	0.0095	0.0566	1.00 - 4.00
5B-00063	20151	Eu-154	-0.044 U	0.083	0.025	0.15	1.00 - 4.00
5B-00063	20151	Eu-155	0.089 SK	0.029	0.012	0.231	1.00 - 4.00
5B-00063	20151	Ho-166m	0.0065 U	0.02	0.0043	0.0432	1.00 - 4.00
5B-00063	20151	K-40	21.4	0.13	0.71	32.4	1.00 - 4.00
5B-00063	20151	Na-22	-0.001 U	0.019	0.0057	0.037	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00063	20151	Nb-94	0.0053 U	0.011	0.0025	0.0214	1.00 - 4.00
5B-00063	20151	Np-236	-0.007 U	0.024	0.0074	0.047	1.00 - 4.00
5B-00063	20151	Np-239	0.009 U	0.072	0.022	0.139	1.00 - 4.00
5B-00063	20151	Pa-231	0.17 U	0.44	0.1	0.936	1.00 - 4.00
5B-00063	20151	Pb-212	1.66	0.02	0.087	2.69	1.00 - 4.00
5B-00063	20151	Pb-214	0.896	0.024	0.035	1.7	1.00 - 4.00
5B-00063	20151	Pu-236	0.0008 U	0.0021	0.0008	7.79	1.00 - 4.00
5B-00063	20151	Pu-238	0.0008 U	0.0021	0.0008	0.0415	1.00 - 4.00
5B-00063	20151	Pu-239/240	0.0003 U	0.0046	0.0009	0.0404	1.00 - 4.00
5B-00063	20151	Pu-244	0.0023	0.0021	0.0013	0.0313	1.00 - 4.00
5B-00063	20151	Sb-125	0.124 SK	0.032	0.0084	0.354	1.00 - 4.00
5B-00063	20151	Sn-126	0.0028 U J	0.012	0.0037	0.0237	1.00 - 4.00
5B-00063	20151	Sr-90	-0.019 U	0.047	0.013	0.485	1.00 - 4.00
5B-00063	20151	Te-125m	0.0286 SK	0.0074	0.0019	0.0838	1.00 - 4.00
5B-00063	20151	Th-228	1.19	0.015	0.06	3.98	1.00 - 4.00
5B-00063	20151	Th-229	0.0104	0.0097	0.004	0.145	1.00 - 4.00
5B-00063	20151	Th-230	0.951	0.006	0.049	2.2	1.00 - 4.00
5B-00063	20151	Th-232	1.16	0.002	0.058	3.1	1.00 - 4.00
5B-00063	20151	Th-234	1.57 R	0.14	0.089	3.19	1.00 - 4.00
5B-00063	20151	Tl-208	0.497	0.015	0.019	0.937	1.00 - 4.00
5B-00063	20151	Tm-171	-3.3 L U	4.9	1.5	72.4	1.00 - 4.00
5B-00063	20151	U-233/234	0.703	0.009	0.041	2.02	1.00 - 4.00
5B-00063	20151	U-235/236	0.0461	0.0039	0.0084	0.151	1.00 - 4.00
5B-00063	20151	U-238	0.716	0.008	0.042	1.8	1.00 - 4.00
5B-00064	20152	Ac-227	0.05 U	0.15	0.039	0.217	1.00 - 2.00
5B-00064	20152	Ac-228	1.48	0.079	0.049	2.4	1.00 - 2.00
5B-00064	20152	Am-241	0.0047	0.0057	0.0022	0.0454	1.00 - 2.00
5B-00064	20152	Bi-212	1.16	0.14	0.086	2.15	1.00 - 2.00
5B-00064	20152	Bi-214	0.971	0.026	0.034	1.59	1.00 - 2.00
5B-00064	20152	Cd-113m	9 U	40	12	3030	1.00 - 2.00
5B-00064	20152	Cm-243/244	0.0122	0.0082	0.0037	0.0443	1.00 - 2.00
5B-00064	20152	Cm-245/246	0.0007 U	0.0019	0.0007	0.0401	1.00 - 2.00
5B-00064	20152	Cm-247/248	-7E-04 U	0.0052	0.0008	0.0306	1.00 - 2.00
5B-00064	20152	Co-60	0.0047 U	0.018	0.0055	0.028	1.00 - 2.00
5B-00064	20152	Cs-134	0.0121 U J	0.051	0.0034	0.0864	1.00 - 2.00
5B-00064	20152	Cs-137	-3E-04 U	0.016	0.0048	0.207	1.00 - 2.00
5B-00064	20152	Eu-152	-0.018 U	0.036	0.011	0.0566	1.00 - 2.00
5B-00064	20152	Eu-154	-0.02 U	0.1	0.03	0.15	1.00 - 2.00
5B-00064	20152	Eu-155	0.02 SK	0.034	0.01	0.231	1.00 - 2.00
5B-00064	20152	Ho-166m	0.0055 U	0.026	0.0052	0.0432	1.00 - 2.00
5B-00064	20152	K-40	19.4	0.13	0.59	32.4	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00064	20152	Na-22	0.001 U	0.023	0.0068	0.037	1.00 - 2.00
5B-00064	20152	Nb-94	0.0028 U	0.014	0.0033	0.0214	1.00 - 2.00
5B-00064	20152	Np-236	-0.008 U	0.032	0.0097	0.047	1.00 - 2.00
5B-00064	20152	Np-239	0.023 U	0.088	0.027	0.139	1.00 - 2.00
5B-00064	20152	Pa-231	0.14 U	0.6	0.18	0.936	1.00 - 2.00
5B-00064	20152	Pb-212	1.94	0.024	0.078	2.69	1.00 - 2.00
5B-00064	20152	Pb-214	1.07	0.026	0.036	1.7	1.00 - 2.00
5B-00064	20152	Pu-236	0.0015 U	0.0021	0.0011	7.79	1.00 - 2.00
5B-00064	20152	Pu-238	0.0003 U	0.0046	0.0009	0.0415	1.00 - 2.00
5B-00064	20152	Pu-239/240	-5E-04 U	0.0046	0.0005	0.0404	1.00 - 2.00
5B-00064	20152	Pu-244	0.0015 U	0.0021	0.0011	0.0313	1.00 - 2.00
5B-00064	20152	Sb-125	0.027 SK	0.03	0.012	0.354	1.00 - 2.00
5B-00064	20152	Sn-126	-0.003 U J	0.014	0.0043	0.0237	1.00 - 2.00
5B-00064	20152	Sr-90	0.053	0.043	0.014	0.485	1.00 - 2.00
5B-00064	20152	Te-125m	0.0062 SK	0.0069	0.0027	0.0838	1.00 - 2.00
5B-00064	20152	Th-228	1.61	0.018	0.078	3.98	1.00 - 2.00
5B-00064	20152	Th-229	0.0092	0.0086	0.0035	0.145	1.00 - 2.00
5B-00064	20152	Th-230	1.14	0.009	0.058	2.2	1.00 - 2.00
5B-00064	20152	Th-232	1.56	0.007	0.076	3.1	1.00 - 2.00
5B-00064	20152	Th-234	0.553 R	0.16	0.053	3.19	1.00 - 2.00
5B-00064	20152	Tl-208	0.581	0.018	0.021	0.937	1.00 - 2.00
5B-00064	20152	Tm-171	0.4 U	5.1	1.5	72.4	1.00 - 2.00
5B-00064	20152	U-233/234	1.04	0.004	0.058	2.02	1.00 - 2.00
5B-00064	20152	U-235/236	0.055	0.012	0.01	0.151	1.00 - 2.00
5B-00064	20152	U-238	1.11	0.013	0.06	1.8	1.00 - 2.00
5B-00064	20153	Ac-227	0.034 U	0.14	0.017	0.217	0.00 - 0.50
5B-00064	20153	Ac-228	1.05	0.077	0.042	2.4	0.00 - 0.50
5B-00064	20153	Am-241	0.0009 U	0.0095	0.0025	0.0454	0.00 - 0.50
5B-00064	20153	Bi-212	0.922	0.14	0.086	2.15	0.00 - 0.50
5B-00064	20153	Bi-214	0.682	0.024	0.026	1.59	0.00 - 0.50
5B-00064	20153	Cd-113m	7 U	36	11	3030	0.00 - 0.50
5B-00064	20153	Cm-243/244	0.0009 U	0.017	0.0048	0.0443	0.00 - 0.50
5B-00064	20153	Cm-245/246	0.0014 U J	0.0037	0.0014	0.0401	0.00 - 0.50
5B-00064	20153	Cm-247/248	0 U	0.0037	0.0015	0.0306	0.00 - 0.50
5B-00064	20153	Co-60	0.0019 U	0.018	0.0018	0.028	0.00 - 0.50
5B-00064	20153	Cs-134	0.0133 U	0.046	0.0048	0.0864	0.00 - 0.50
5B-00064	20153	Cs-137	-0.004 U	0.016	0.0049	0.207	0.00 - 0.50
5B-00064	20153	Eu-152	0.019	0.037	0.01	0.0566	0.00 - 0.50
5B-00064	20153	Eu-154	0.002 U	0.092	0.019	0.15	0.00 - 0.50
5B-00064	20153	Eu-155	0.066 SK	0.031	0.012	0.231	0.00 - 0.50
5B-00064	20153	Ho-166m	0.0297 SK	0.024	0.0044	0.0432	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00064	20153	K-40	18.9	0.13	0.57	32.4	0.00 - 0.50
5B-00064	20153	Na-22	-0.001 U	0.021	0.0063	0.037	0.00 - 0.50
5B-00064	20153	Nb-94	0.0012 U	0.014	0.0022	0.0214	0.00 - 0.50
5B-00064	20153	Np-236	-7E-04 U	0.02	0.006	0.047	0.00 - 0.50
5B-00064	20153	Np-239	-0.008 U	0.082	0.025	0.139	0.00 - 0.50
5B-00064	20153	Pa-231	-0.08 U	0.54	0.16	0.936	0.00 - 0.50
5B-00064	20153	Pb-212	1.46	0.021	0.059	2.69	0.00 - 0.50
5B-00064	20153	Pb-214	0.778	0.023	0.027	1.7	0.00 - 0.50
5B-00064	20153	Pu-236	-5E-04 U	0.0036	0.0006	7.79	0.00 - 0.50
5B-00064	20153	Pu-238	-5E-04 U	0.0046	0.0009	0.0415	0.00 - 0.50
5B-00064	20153	Pu-239/240	-5E-04 U	0.0036	0.0006	0.0404	0.00 - 0.50
5B-00064	20153	Pu-244	0.0024	0.0013	0.0011	0.0313	0.00 - 0.50
5B-00064	20153	Sb-125	0.15 SK	0.03	0.011	0.354	0.00 - 0.50
5B-00064	20153	Sn-126	-7E-04 U	0.016	0.0047	0.0237	0.00 - 0.50
5B-00064	20153	Sr-90	0.023 U	0.045	0.014	0.485	0.00 - 0.50
5B-00064	20153	Te-125m	0.0347 SK	0.007	0.0026	0.0838	0.00 - 0.50
5B-00064	20153	Th-228	1.07	0.015	0.058	3.98	0.00 - 0.50
5B-00064	20153	Th-229	0.0079	0.0073	0.003	0.145	0.00 - 0.50
5B-00064	20153	Th-230	0.78	0.009	0.045	2.2	0.00 - 0.50
5B-00064	20153	Th-232	1.02	0.009	0.055	3.1	0.00 - 0.50
5B-00064	20153	Th-234	0.49	0.14	0.048	3.19	0.00 - 0.50
5B-00064	20153	Tl-208	0.445	0.017	0.018	0.937	0.00 - 0.50
5B-00064	20153	Tm-171	-0.08 U	5.8	1.8	72.4	0.00 - 0.50
5B-00064	20153	U-233/234	0.692	0.005	0.036	2.02	0.00 - 0.50
5B-00064	20153	U-235/236	0.033	0.0059	0.0055	0.151	0.00 - 0.50
5B-00064	20153	U-238	0.72	0.008	0.037	1.8	0.00 - 0.50
5B-00065	20154	Ac-227	0.035 U	0.15	0.055	0.217	1.00 - 5.00
5B-00065	20154	Ac-228	1.33	0.095	0.048	2.4	1.00 - 5.00
5B-00065	20154	Am-241	0.0029	0.002	0.0015	0.0454	1.00 - 5.00
5B-00065	20154	Bi-212	1.16	0.16	0.096	2.15	1.00 - 5.00
5B-00065	20154	Bi-214	0.883	0.027	0.032	1.59	1.00 - 5.00
5B-00065	20154	Cd-113m	8 U	43	13	3030	1.00 - 5.00
5B-00065	20154	Cm-243/244	0.0014 U	0.002	0.001	0.0443	1.00 - 5.00
5B-00065	20154	Cm-245/246	0.0016 U J	0.0022	0.0011	0.0401	1.00 - 5.00
5B-00065	20154	Cm-247/248	0.0008 U	0.0021	0.0008	0.0306	1.00 - 5.00
5B-00065	20154	Co-60	0.0039 U	0.02	0.0042	0.028	1.00 - 5.00
5B-00065	20154	Cs-134	-0.015 L U J	0.02	0.0061	0.0864	1.00 - 5.00
5B-00065	20154	Cs-137	0.0082 U	0.02	0.0071	0.207	1.00 - 5.00
5B-00065	20154	Eu-152	-0.015 U	0.044	0.013	0.0566	1.00 - 5.00
5B-00065	20154	Eu-154	-0.042 U	0.12	0.035	0.15	1.00 - 5.00
5B-00065	20154	Eu-155	0.099 SK	0.035	0.014	0.231	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00065	20154	Ho-166m	0.0079 U	0.027	0.0081	0.0432	1.00 - 5.00
5B-00065	20154	K-40	20.2	0.17	0.62	32.4	1.00 - 5.00
5B-00065	20154	Na-22	-0.005 U	0.028	0.0084	0.037	1.00 - 5.00
5B-00065	20154	Nb-94	0.008 SK	0.016	0.0048	0.0214	1.00 - 5.00
5B-00065	20154	Np-236	-0.003 U	0.031	0.0094	0.047	1.00 - 5.00
5B-00065	20154	Np-239	-5E-04 U	0.088	0.026	0.139	1.00 - 5.00
5B-00065	20154	Pa-231	0.06 U	0.63	0.19	0.936	1.00 - 5.00
5B-00065	20154	Pb-212	1.62	0.028	0.066	2.69	1.00 - 5.00
5B-00065	20154	Pb-214	0.978	0.03	0.033	1.7	1.00 - 5.00
5B-00065	20154	Pu-236	0.0003 U	0.0038	0.0008	7.79	1.00 - 5.00
5B-00065	20154	Pu-238	0.0019	0.0017	0.0011	0.0415	1.00 - 5.00
5B-00065	20154	Pu-239/240	0.0005 U	0.0047	0.0011	0.0404	1.00 - 5.00
5B-00065	20154	Pu-244	0.0026	0.0017	0.0013	0.0313	1.00 - 5.00
5B-00065	20154	Sb-125	0.148 SK	0.048	0.012	0.354	1.00 - 5.00
5B-00065	20154	Sn-126	0.0008 U J	0.016	0.0048	0.0237	1.00 - 5.00
5B-00065	20154	Sr-90	0.02 U	0.049	0.015	0.485	1.00 - 5.00
5B-00065	20154	Te-125m	0.0341 SK	0.011	0.0028	0.0838	1.00 - 5.00
5B-00065	20154	Th-228	1.43	0.016	0.07	3.98	1.00 - 5.00
5B-00065	20154	Th-229	0.0082	0.0051	0.0026	0.145	1.00 - 5.00
5B-00065	20154	Th-230	1.06	0.006	0.054	2.2	1.00 - 5.00
5B-00065	20154	Th-232	1.37	0.002	0.067	3.1	1.00 - 5.00
5B-00065	20154	Th-234	0.651 R	0.17	0.058	3.19	1.00 - 5.00
5B-00065	20154	Tl-208	0.498	0.018	0.019	0.937	1.00 - 5.00
5B-00065	20154	Tm-171	0.02 U	5.8	1.8	72.4	1.00 - 5.00
5B-00065	20154	U-233/234	0.757	0.006	0.039	2.02	1.00 - 5.00
5B-00065	20154	U-235/236	0.0372	0.0021	0.0056	0.151	1.00 - 5.00
5B-00065	20154	U-238	0.798	0.007	0.04	1.8	1.00 - 5.00
5B-00065	20155	Ac-227	0.062	0.11	0.022	0.217	0.00 - 0.50
5B-00065	20155	Ac-228	1.08	0.087	0.04	2.4	0.00 - 0.50
5B-00065	20155	Am-241	0 U	0.0047	0.0012	0.0454	0.00 - 0.50
5B-00065	20155	Bi-212	0.946	0.14	0.08	2.15	0.00 - 0.50
5B-00065	20155	Bi-214	0.702	0.026	0.027	1.59	0.00 - 0.50
5B-00065	20155	Cd-113m	-9 U	38	11	3030	0.00 - 0.50
5B-00065	20155	Cm-243/244	0.0035	0.0041	0.0015	0.0443	0.00 - 0.50
5B-00065	20155	Cm-245/246	0.001 U J	0.0038	0.0011	0.0401	0.00 - 0.50
5B-00065	20155	Cm-247/248	0 U	0.0014	0.0006	0.0306	0.00 - 0.50
5B-00065	20155	Co-60	0.0031 U	0.019	0.0047	0.028	0.00 - 0.50
5B-00065	20155	Cs-134	-0.003 U	0.018	0.0037	0.0864	0.00 - 0.50
5B-00065	20155	Cs-137	0.0075 U J	0.018	0.0069	0.207	0.00 - 0.50
5B-00065	20155	Eu-152	-2E-04 U	0.037	0.011	0.0566	0.00 - 0.50
5B-00065	20155	Eu-154	0.047	0.067	0.024	0.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00065	20155	Eu-155	0.052 SK	0.037	0.012	0.231	0.00 - 0.50
5B-00065	20155	Ho-166m	0.0318 SK	0.025	0.0056	0.0432	0.00 - 0.50
5B-00065	20155	K-40	16.5	0.14	0.51	32.4	0.00 - 0.50
5B-00065	20155	Na-22	0 U	0.024	0.007	0.037	0.00 - 0.50
5B-00065	20155	Nb-94	0.0031 U	0.014	0.0043	0.0214	0.00 - 0.50
5B-00065	20155	Np-236	-0.003 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00065	20155	Np-239	-0.007 U	0.085	0.026	0.139	0.00 - 0.50
5B-00065	20155	Pa-231	0.03 U	0.56	0.17	0.936	0.00 - 0.50
5B-00065	20155	Pb-212	1.38	0.023	0.057	2.69	0.00 - 0.50
5B-00065	20155	Pb-214	0.778	0.024	0.028	1.7	0.00 - 0.50
5B-00065	20155	Pu-236	-0.002 U	0.0078	0.0018	7.79	0.00 - 0.50
5B-00065	20155	Pu-238	-5E-04 U	0.0045	0.0009	0.0415	0.00 - 0.50
5B-00065	20155	Pu-239/240	0 U	0.0053	0.0013	0.0404	0.00 - 0.50
5B-00065	20155	Pu-244	0.001 U	0.0013	0.0007	0.0313	0.00 - 0.50
5B-00065	20155	Sb-125	0.123 SK	0.04	0.01	0.354	0.00 - 0.50
5B-00065	20155	Sn-126	0 U	0.017	0.0041	0.0237	0.00 - 0.50
5B-00065	20155	Sr-90	-0.011 U	0.056	0.016	0.485	0.00 - 0.50
5B-00065	20155	Te-125m	0.0284 SK	0.0093	0.0024	0.0838	0.00 - 0.50
5B-00065	20155	Th-228	1.13	0.009	0.055	3.98	0.00 - 0.50
5B-00065	20155	Th-229	0.015 K	0.0019	0.0033	0.145	0.00 - 0.50
5B-00065	20155	Th-230	0.78	0.002	0.04	2.2	0.00 - 0.50
5B-00065	20155	Th-232	1.14	0.007	0.056	3.1	0.00 - 0.50
5B-00065	20155	Th-234	0.514 R	0.15	0.05	3.19	0.00 - 0.50
5B-00065	20155	Tl-208	0.417	0.017	0.016	0.937	0.00 - 0.50
5B-00065	20155	Tm-171	2 U	5.5	1.7	72.4	0.00 - 0.50
5B-00065	20155	U-233/234	0.625	0.004	0.031	2.02	0.00 - 0.50
5B-00065	20155	U-235/236	0.0332	0.0013	0.0043	0.151	0.00 - 0.50
5B-00065	20155	U-238	0.622	0.001	0.03	1.8	0.00 - 0.50
5B-00066	20156	Ac-227	0.058 U	0.14	0.049	0.217	1.00 - 4.00
5B-00066	20156	Ac-228	1.19	0.1	0.043	2.4	1.00 - 4.00
5B-00066	20156	Am-241	0.0017 U	0.0024	0.0012	0.0454	1.00 - 4.00
5B-00066	20156	Bi-212	0.986	0.13	0.075	2.15	1.00 - 4.00
5B-00066	20156	Bi-214	1.03	0.026	0.036	1.59	1.00 - 4.00
5B-00066	20156	Cd-113m	-6 U	41	12	3030	1.00 - 4.00
5B-00066	20156	Cm-243/244	0.0017 U	0.0079	0.0022	0.0443	1.00 - 4.00
5B-00066	20156	Cm-245/246	0.0009 U J	0.0064	0.0016	0.0401	1.00 - 4.00
5B-00066	20156	Cm-247/248	0.0034	0.0023	0.0017	0.0306	1.00 - 4.00
5B-00066	20156	Co-60	0.0013 U	0.02	0.0029	0.028	1.00 - 4.00
5B-00066	20156	Cs-134	-0.018 R U J	0.018	0.0055	0.0864	1.00 - 4.00
5B-00066	20156	Cs-137	0.0045 U	0.017	0.0058	0.207	1.00 - 4.00
5B-00066	20156	Eu-152	-0.007 U	0.04	0.012	0.0566	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00066	20156	Eu-154	-0.006 U	0.11	0.0081	0.15	1.00 - 4.00
5B-00066	20156	Eu-155	0.09 SK	0.032	0.013	0.231	1.00 - 4.00
5B-00066	20156	Ho-166m	0.0111 U	0.025	0.0073	0.0432	1.00 - 4.00
5B-00066	20156	K-40	20.7	0.16	0.63	32.4	1.00 - 4.00
5B-00066	20156	Na-22	0.0035 U	0.026	0.0077	0.037	1.00 - 4.00
5B-00066	20156	Nb-94	0.0044 U	0.014	0.0035	0.0214	1.00 - 4.00
5B-00066	20156	Np-236	0 U	0.03	0.0089	0.047	1.00 - 4.00
5B-00066	20156	Np-239	-0.006 U	0.087	0.026	0.139	1.00 - 4.00
5B-00066	20156	Pa-231	0.11 U	0.57	0.17	0.936	1.00 - 4.00
5B-00066	20156	Pb-212	1.6	0.023	0.065	2.69	1.00 - 4.00
5B-00066	20156	Pb-214	1.14	0.026	0.038	1.7	1.00 - 4.00
5B-00066	20156	Pu-236	-0.002 U	0.0079	0.0014	7.79	1.00 - 4.00
5B-00066	20156	Pu-238	0.0005 U	0.0073	0.0017	0.0415	1.00 - 4.00
5B-00066	20156	Pu-239/240	0.0016	0.0022	0.0011	0.0404	1.00 - 4.00
5B-00066	20156	Pu-244	0.0008 U	0.0022	0.0008	0.0313	1.00 - 4.00
5B-00066	20156	Sb-125	-0.013 U	0.046	0.014	0.354	1.00 - 4.00
5B-00066	20156	Sn-126	-0.003 U J	0.017	0.005	0.0237	1.00 - 4.00
5B-00066	20156	Sr-90	0 U	0.044	0.013	0.485	1.00 - 4.00
5B-00066	20156	Te-125m	-0.003 U	0.011	0.0032	0.0838	1.00 - 4.00
5B-00066	20156	Th-228	1.21	0.015	0.059	3.98	1.00 - 4.00
5B-00066	20156	Th-229	0.0133	0.0089	0.0044	0.145	1.00 - 4.00
5B-00066	20156	Th-230	1.32	0.01	0.064	2.2	1.00 - 4.00
5B-00066	20156	Th-232	1.27	0.007	0.062	3.1	1.00 - 4.00
5B-00066	20156	Th-234	1.49 R	0.15	0.083	3.19	1.00 - 4.00
5B-00066	20156	Tl-208	0.484	0.015	0.017	0.937	1.00 - 4.00
5B-00066	20156	Tm-171	1.6 U	4.2	1.3	72.4	1.00 - 4.00
5B-00066	20156	U-233/234	0.914	0.003	0.05	2.02	1.00 - 4.00
5B-00066	20156	U-235/236	0.0468	0.014	0.0091	0.151	1.00 - 4.00
5B-00066	20156	U-238	0.881	0.003	0.049	1.8	1.00 - 4.00
5B-00067	20157	Ac-227	0.064	0.12	0.038	0.217	1.00 - 4.50
5B-00067	20157	Ac-228	1.24	0.072	0.044	2.4	1.00 - 4.50
5B-00067	20157	Am-241	0.0029	0.0019	0.0014	0.0454	1.00 - 4.50
5B-00067	20157	Bi-212	1.01	0.1	0.067	2.15	1.00 - 4.50
5B-00067	20157	Bi-214	0.811	0.025	0.032	1.59	1.00 - 4.50
5B-00067	20157	Cd-113m	2.2 U	28	8.3	3030	1.00 - 4.50
5B-00067	20157	Cm-243/244	0.0014 U	0.0051	0.0014	0.0443	1.00 - 4.50
5B-00067	20157	Cm-245/246	0.0028	0.0019	0.0014	0.0401	1.00 - 4.50
5B-00067	20157	Cm-247/248	0 U	0.0019	0.0008	0.0306	1.00 - 4.50
5B-00067	20157	Co-60	-0.003 U	0.016	0.0047	0.028	1.00 - 4.50
5B-00067	20157	Cs-134	0.0127 U J	0.047	0.0035	0.0864	1.00 - 4.50
5B-00067	20157	Cs-137	-0.008 U	0.014	0.0044	0.207	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00067	20157	Eu-152	0.0097 U	0.031	0.0044	0.0566	1.00 - 4.50
5B-00067	20157	Eu-154	-0.014 U	0.086	0.026	0.15	1.00 - 4.50
5B-00067	20157	Eu-155	0.071 SK	0.03	0.012	0.231	1.00 - 4.50
5B-00067	20157	Ho-166m	0.0097 U	0.021	0.0078	0.0432	1.00 - 4.50
5B-00067	20157	K-40	21.6	0.16	0.72	32.4	1.00 - 4.50
5B-00067	20157	Na-22	0.0089 U	0.02	0.006	0.037	1.00 - 4.50
5B-00067	20157	Nb-94	0.004 U	0.012	0.0036	0.0214	1.00 - 4.50
5B-00067	20157	Np-236	-0.003 U	0.028	0.0083	0.047	1.00 - 4.50
5B-00067	20157	Np-239	0.0007 U	0.078	0.023	0.139	1.00 - 4.50
5B-00067	20157	Pa-231	-0.02 U	0.53	0.16	0.936	1.00 - 4.50
5B-00067	20157	Pb-212	1.5	0.029	0.08	2.69	1.00 - 4.50
5B-00067	20157	Pb-214	0.926	0.026	0.035	1.7	1.00 - 4.50
5B-00067	20157	Pu-236	0.0003 U	0.0078	0.0019	7.79	1.00 - 4.50
5B-00067	20157	Pu-238	0.0013 U	0.0054	0.0015	0.0415	1.00 - 4.50
5B-00067	20157	Pu-239/240	0.0015	0.002	0.001	0.0404	1.00 - 4.50
5B-00067	20157	Pu-244	0 U	0.002	0.0006	0.0313	1.00 - 4.50
5B-00067	20157	Sb-125	0.149 SK	0.036	0.011	0.354	1.00 - 4.50
5B-00067	20157	Sn-126	0.0009 U J	0.014	0.0041	0.0237	1.00 - 4.50
5B-00067	20157	Sr-90	-0.009 U	0.059	0.017	0.485	1.00 - 4.50
5B-00067	20157	Te-125m	0.0344 SK	0.0083	0.0025	0.0838	1.00 - 4.50
5B-00067	20157	Th-228	1.27	0.014	0.063	3.98	1.00 - 4.50
5B-00067	20157	Th-229	0.0122	0.0081	0.0038	0.145	1.00 - 4.50
5B-00067	20157	Th-230	0.826	0.008	0.044	2.2	1.00 - 4.50
5B-00067	20157	Th-232	1.26	0.006	0.062	3.1	1.00 - 4.50
5B-00067	20157	Th-234	1.42 R	0.14	0.084	3.19	1.00 - 4.50
5B-00067	20157	Tl-208	0.503	0.015	0.02	0.937	1.00 - 4.50
5B-00067	20157	Tm-171	-3.3 U	5.5	1.7	72.4	1.00 - 4.50
5B-00067	20157	U-233/234	0.691	0.019	0.042	2.02	1.00 - 4.50
5B-00067	20157	U-235/236	0.0369	0.0042	0.0077	0.151	1.00 - 4.50
5B-00067	20157	U-238	0.722	0.011	0.043	1.8	1.00 - 4.50
5B-00067	20158	Ac-227	0.014 U	0.12	0.041	0.217	0.00 - 0.50
5B-00067	20158	Ac-228	0.929	0.096	0.036	2.4	0.00 - 0.50
5B-00067	20158	Am-241	0.0043	0.0079	0.0027	0.0454	0.00 - 0.50
5B-00067	20158	Bi-212	0.799	0.14	0.075	2.15	0.00 - 0.50
5B-00067	20158	Bi-214	0.595	0.026	0.024	1.59	0.00 - 0.50
5B-00067	20158	Cd-113m	-0.3 U	39	12	3030	0.00 - 0.50
5B-00067	20158	Cm-243/244	-0.002 U	0.016	0.0039	0.0443	0.00 - 0.50
5B-00067	20158	Cm-245/246	0.0013 U	0.0035	0.0013	0.0401	0.00 - 0.50
5B-00067	20158	Cm-247/248	0 U	0.0034	0.0014	0.0306	0.00 - 0.50
5B-00067	20158	Co-60	0.0018 U	0.017	0.0044	0.028	0.00 - 0.50
5B-00067	20158	Cs-134	-0.009 U	0.016	0.0049	0.0864	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00067	20158	Cs-137	0.0143	0.018	0.007	0.207	0.00 - 0.50
5B-00067	20158	Eu-152	0.009 U	0.037	0.011	0.0566	0.00 - 0.50
5B-00067	20158	Eu-154	0.0101 U	0.11	0.0068	0.15	0.00 - 0.50
5B-00067	20158	Eu-155	0.0222 SK	0.031	0.0095	0.231	0.00 - 0.50
5B-00067	20158	Ho-166m	0.0005 U	0.025	0.0004	0.0432	0.00 - 0.50
5B-00067	20158	K-40	20.9	0.15	0.64	32.4	0.00 - 0.50
5B-00067	20158	Na-22	-6E-04 U	0.028	0.0084	0.037	0.00 - 0.50
5B-00067	20158	Nb-94	0.0038 U	0.014	0.0042	0.0214	0.00 - 0.50
5B-00067	20158	Np-236	0.002 U	0.027	0.008	0.047	0.00 - 0.50
5B-00067	20158	Np-239	-0.022 U	0.083	0.025	0.139	0.00 - 0.50
5B-00067	20158	Pa-231	-0.07 U	0.56	0.17	0.936	0.00 - 0.50
5B-00067	20158	Pb-212	1.2	0.022	0.05	2.69	0.00 - 0.50
5B-00067	20158	Pb-214	0.671	0.027	0.026	1.7	0.00 - 0.50
5B-00067	20158	Pu-236	-0.001 U	0.0047	0.0008	7.79	0.00 - 0.50
5B-00067	20158	Pu-238	0 U	0.0037	0.0008	0.0415	0.00 - 0.50
5B-00067	20158	Pu-239/240	0 U	0.0014	0.0006	0.0404	0.00 - 0.50
5B-00067	20158	Pu-244	0.0015	0.0014	0.0009	0.0313	0.00 - 0.50
5B-00067	20158	Sb-125	0.111 SK	0.036	0.011	0.354	0.00 - 0.50
5B-00067	20158	Sn-126	0.0001 U	0.016	0.0047	0.0237	0.00 - 0.50
5B-00067	20158	Sr-90	-0.018 U	0.038	0.01	0.485	0.00 - 0.50
5B-00067	20158	Te-125m	0.0256 SK	0.0083	0.0026	0.0838	0.00 - 0.50
5B-00067	20158	Th-228	0.997	0.014	0.052	3.98	0.00 - 0.50
5B-00067	20158	Th-229	0.0008 U	0.0088	0.0023	0.145	0.00 - 0.50
5B-00067	20158	Th-230	0.689	0.002	0.038	2.2	0.00 - 0.50
5B-00067	20158	Th-232	0.971	0.002	0.05	3.1	0.00 - 0.50
5B-00067	20158	Th-234	0.211	0.15	0.046	3.19	0.00 - 0.50
5B-00067	20158	Tl-208	0.368	0.017	0.015	0.937	0.00 - 0.50
5B-00067	20158	Tm-171	3.2	4.1	1.5	72.4	0.00 - 0.50
5B-00067	20158	U-233/234	0.502	0.002	0.029	2.02	0.00 - 0.50
5B-00067	20158	U-235/236	0.0266	0.0025	0.0051	0.151	0.00 - 0.50
5B-00067	20158	U-238	0.533	0.008	0.03	1.8	0.00 - 0.50
5B-00068	20159	Ac-227	0.048 U	0.13	0.022	0.217	1.00 - 4.00
5B-00068	20159	Ac-228	1.39	0.067	0.048	2.4	1.00 - 4.00
5B-00068	20159	Am-241	0.0026	0.0064	0.002	0.0454	1.00 - 4.00
5B-00068	20159	Bi-212	1.11	0.12	0.079	2.15	1.00 - 4.00
5B-00068	20159	Bi-214	1.31	0.025	0.048	1.59	1.00 - 4.00
5B-00068	20159	Cd-113m	-5 U	37	11	3030	1.00 - 4.00
5B-00068	20159	Cm-243/244	-9E-04 U	0.0063	0.001	0.0443	1.00 - 4.00
5B-00068	20159	Cm-245/246	0.0035 J	0.0024	0.0018	0.0401	1.00 - 4.00
5B-00068	20159	Cm-247/248	0.0009 U	0.0023	0.0009	0.0306	1.00 - 4.00
5B-00068	20159	Co-60	0.001 U	0.016	0.0049	0.028	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00068	20159	Cs-134	0.011 U J	0.055	0.011	0.0864	1.00 - 4.00
5B-00068	20159	Cs-137	-0.001 U	0.014	0.0043	0.207	1.00 - 4.00
5B-00068	20159	Eu-152	-0.013 U	0.035	0.011	0.0566	1.00 - 4.00
5B-00068	20159	Eu-154	-0.032 U	0.089	0.027	0.15	1.00 - 4.00
5B-00068	20159	Eu-155	0.088 SK	0.033	0.014	0.231	1.00 - 4.00
5B-00068	20159	Ho-166m	0.0054 U	0.021	0.0033	0.0432	1.00 - 4.00
5B-00068	20159	K-40	22.3	0.13	0.74	32.4	1.00 - 4.00
5B-00068	20159	Na-22	-9E-04 U	0.021	0.0064	0.037	1.00 - 4.00
5B-00068	20159	Nb-94	0.0089 SK	0.012	0.0037	0.0214	1.00 - 4.00
5B-00068	20159	Np-236	-0.002 U	0.03	0.009	0.047	1.00 - 4.00
5B-00068	20159	Np-239	0.029 U	0.079	0.024	0.139	1.00 - 4.00
5B-00068	20159	Pa-231	0.18 U	0.45	0.14	0.936	1.00 - 4.00
5B-00068	20159	Pb-212	1.69	0.026	0.089	2.69	1.00 - 4.00
5B-00068	20159	Pb-214	1.48	0.025	0.054	1.7	1.00 - 4.00
5B-00068	20159	Pu-236	-0.002 U	0.0079	0.0012	7.79	1.00 - 4.00
5B-00068	20159	Pu-238	0.0002 U	0.0071	0.0016	0.0415	1.00 - 4.00
5B-00068	20159	Pu-239/240	-5E-04 U	0.0051	0.0006	0.0404	1.00 - 4.00
5B-00068	20159	Pu-244	0.0009 U	0.0023	0.0009	0.0313	1.00 - 4.00
5B-00068	20159	Sb-125	0.176 SK	0.026	0.012	0.354	1.00 - 4.00
5B-00068	20159	Sn-126	-0.002 U J	0.014	0.0041	0.0237	1.00 - 4.00
5B-00068	20159	Sr-90	0.026	0.04	0.013	0.485	1.00 - 4.00
5B-00068	20159	Te-125m	0.0407 SK	0.0061	0.0027	0.0838	1.00 - 4.00
5B-00068	20159	Th-228	1.53	0.022	0.076	3.98	1.00 - 4.00
5B-00068	20159	Th-229	0.01	0.016	0.0054	0.145	1.00 - 4.00
5B-00068	20159	Th-230	1.84	0.008	0.089	2.2	1.00 - 4.00
5B-00068	20159	Th-232	1.5	0.008	0.074	3.1	1.00 - 4.00
5B-00068	20159	Th-234	1.97 R	0.15	0.1	3.19	1.00 - 4.00
5B-00068	20159	Tl-208	0.526	0.016	0.021	0.937	1.00 - 4.00
5B-00068	20159	Tm-171	-1.4 U	4.9	1.5	72.4	1.00 - 4.00
5B-00068	20159	U-233/234	0.879	0.01	0.046	2.02	1.00 - 4.00
5B-00068	20159	U-235/236	0.0398	0.003	0.0068	0.151	1.00 - 4.00
5B-00068	20159	U-238	0.806	0.008	0.043	1.8	1.00 - 4.00
5B-00069	20160	Ac-227	0.021 U	0.12	0.022	0.217	1.00 - 4.00
5B-00069	20160	Ac-228	1.24	0.068	0.043	2.4	1.00 - 4.00
5B-00069	20160	Am-241	0.0017 U	0.0061	0.0017	0.0454	1.00 - 4.00
5B-00069	20160	Bi-212	1.03	0.11	0.069	2.15	1.00 - 4.00
5B-00069	20160	Bi-214	0.712	0.02	0.028	1.59	1.00 - 4.00
5B-00069	20160	Cd-113m	-11 U	34	10	3030	1.00 - 4.00
5B-00069	20160	Cm-243/244	0 U	0.0022	0.0009	0.0443	1.00 - 4.00
5B-00069	20160	Cm-245/246	0 U J	0.002	0.0008	0.0401	1.00 - 4.00
5B-00069	20160	Cm-247/248	0 U	0.0053	0.0011	0.0306	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00069	20160	Co-60	-6E-04 U	0.012	0.0035	0.028	1.00 - 4.00
5B-00069	20160	Cs-134	0.0147 U J	0.035	0.0044	0.0864	1.00 - 4.00
5B-00069	20160	Cs-137	0.0041	0.0084	0.0026	0.207	1.00 - 4.00
5B-00069	20160	Eu-152	0 U	0.027	0.0082	0.0566	1.00 - 4.00
5B-00069	20160	Eu-154	-0.029 U	0.075	0.023	0.15	1.00 - 4.00
5B-00069	20160	Eu-155	0.079 SK	0.03	0.013	0.231	1.00 - 4.00
5B-00069	20160	Ho-166m	0.0078 U	0.019	0.0048	0.0432	1.00 - 4.00
5B-00069	20160	K-40	20.9	0.15	0.69	32.4	1.00 - 4.00
5B-00069	20160	Na-22	-3E-04 U	0.021	0.0062	0.037	1.00 - 4.00
5B-00069	20160	Nb-94	0.0044 U	0.011	0.0032	0.0214	1.00 - 4.00
5B-00069	20160	Np-236	-0.009 U	0.024	0.0071	0.047	1.00 - 4.00
5B-00069	20160	Np-239	0.008 U	0.074	0.022	0.139	1.00 - 4.00
5B-00069	20160	Pa-231	0.03 U	0.41	0.12	0.936	1.00 - 4.00
5B-00069	20160	Pb-212	1.61	0.021	0.085	2.69	1.00 - 4.00
5B-00069	20160	Pb-214	0.801	0.022	0.031	1.7	1.00 - 4.00
5B-00069	20160	Pu-236	0 U	0.01	0.0025	7.79	1.00 - 4.00
5B-00069	20160	Pu-238	-0.001 U	0.0071	0.0013	0.0415	1.00 - 4.00
5B-00069	20160	Pu-239/240	0.0006 U	0.0056	0.0013	0.0404	1.00 - 4.00
5B-00069	20160	Pu-244	0.0011 U	0.0046	0.0012	0.0313	1.00 - 4.00
5B-00069	20160	Sb-125	0.148 SK	0.032	0.01	0.354	1.00 - 4.00
5B-00069	20160	Sn-126	0.0024 U J	0.0098	0.0029	0.0237	1.00 - 4.00
5B-00069	20160	Sr-90	0.025 U	0.058	0.017	0.485	1.00 - 4.00
5B-00069	20160	Te-125m	0.0342 SK	0.0074	0.0024	0.0838	1.00 - 4.00
5B-00069	20160	Th-228	1.4	0.013	0.067	3.98	1.00 - 4.00
5B-00069	20160	Th-229	0.0039 U	0.014	0.004	0.145	1.00 - 4.00
5B-00069	20160	Th-230	0.915	0.007	0.047	2.2	1.00 - 4.00
5B-00069	20160	Th-232	1.27	0.006	0.062	3.1	1.00 - 4.00
5B-00069	20160	Th-234	0.404 R	0.14	0.046	3.19	1.00 - 4.00
5B-00069	20160	Tl-208	0.491	0.015	0.019	0.937	1.00 - 4.00
5B-00069	20160	Tm-171	0.009 U	5.5	1.7	72.4	1.00 - 4.00
5B-00069	20160	U-233/234	0.951 J	0.015	0.056	2.02	1.00 - 4.00
5B-00069	20160	U-235/236	0.0342 J	0.015	0.0089	0.151	1.00 - 4.00
5B-00069	20160	U-238	0.881 J	0.012	0.053	1.8	1.00 - 4.00
5B-00070	20161	Ac-227	0.037 U	0.14	0.041	0.217	1.00 - 3.50
5B-00070	20161	Ac-228	1.14	0.1	0.069	2.4	1.00 - 3.50
5B-00070	20161	Am-241	0.0029	0.0016	0.0013	0.0454	1.00 - 3.50
5B-00070	20161	Bi-212	1.11	0.15	0.094	2.15	1.00 - 3.50
5B-00070	20161	Bi-214	0.805	0.026	0.03	1.59	1.00 - 3.50
5B-00070	20161	Cd-113m	12.7 U	31	9.4	3030	1.00 - 3.50
5B-00070	20161	Cm-243/244	0.0011 U	0.0042	0.0012	0.0443	1.00 - 3.50
5B-00070	20161	Cm-245/246	0.0014 U J	0.0038	0.0014	0.0401	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00070	20161	Cm-247/248	0.0028 U	0.0037	0.0019	0.0306	1.00 - 3.50
5B-00070	20161	Co-60	-0.003 U	0.02	0.0058	0.028	1.00 - 3.50
5B-00070	20161	Cs-134	0.0019 U J	0.05	0.0015	0.0864	1.00 - 3.50
5B-00070	20161	Cs-137	-0.005 U	0.016	0.0049	0.207	1.00 - 3.50
5B-00070	20161	Eu-152	0.0085 U	0.039	0.0073	0.0566	1.00 - 3.50
5B-00070	20161	Eu-154	-0.007 U	0.11	0.0066	0.15	1.00 - 3.50
5B-00070	20161	Eu-155	0.073 SK	0.034	0.014	0.231	1.00 - 3.50
5B-00070	20161	Ho-166m	-0.005 U	0.026	0.0039	0.0432	1.00 - 3.50
5B-00070	20161	K-40	20.6	0.14	0.62	32.4	1.00 - 3.50
5B-00070	20161	Na-22	0.0031 U	0.022	0.0064	0.037	1.00 - 3.50
5B-00070	20161	Nb-94	-0.006 U	0.012	0.0035	0.0214	1.00 - 3.50
5B-00070	20161	Np-236	-0.012 U	0.03	0.0091	0.047	1.00 - 3.50
5B-00070	20161	Np-239	0.012 U	0.07	0.021	0.139	1.00 - 3.50
5B-00070	20161	Pa-231	-0.17 U	0.6	0.18	0.936	1.00 - 3.50
5B-00070	20161	Pb-212	1.66	0.023	0.067	2.69	1.00 - 3.50
5B-00070	20161	Pb-214	0.883	0.028	0.031	1.7	1.00 - 3.50
5B-00070	20161	Pu-236	0.0001 U	0.0061	0.0013	7.79	1.00 - 3.50
5B-00070	20161	Pu-238	-0.001 U	0.0067	0.0012	0.0415	1.00 - 3.50
5B-00070	20161	Pu-239/240	0.0006 U	0.0053	0.0012	0.0404	1.00 - 3.50
5B-00070	20161	Pu-244	0.0015	0.002	0.001	0.0313	1.00 - 3.50
5B-00070	20161	Sb-125	0.156 SK	0.042	0.012	0.354	1.00 - 3.50
5B-00070	20161	Sn-126	0.0033 U J	0.016	0.0049	0.0237	1.00 - 3.50
5B-00070	20161	Sr-90	-0.023 L U	0.043	0.011	0.485	1.00 - 3.50
5B-00070	20161	Te-125m	0.0361 SK	0.0096	0.0027	0.0838	1.00 - 3.50
5B-00070	20161	Th-228	1.24	0.017	0.062	3.98	1.00 - 3.50
5B-00070	20161	Th-229	0.0074	0.0075	0.0028	0.145	1.00 - 3.50
5B-00070	20161	Th-230	0.946	0.008	0.049	2.2	1.00 - 3.50
5B-00070	20161	Th-232	1.21	0.002	0.06	3.1	1.00 - 3.50
5B-00070	20161	Th-234	0.399 R	0.16	0.05	3.19	1.00 - 3.50
5B-00070	20161	Tl-208	0.503	0.018	0.019	0.937	1.00 - 3.50
5B-00070	20161	Tm-171	6.3	5	1.9	72.4	1.00 - 3.50
5B-00070	20161	U-233/234	0.647	0.003	0.037	2.02	1.00 - 3.50
5B-00070	20161	U-235/236	0.0204	0.0088	0.0053	0.151	1.00 - 3.50
5B-00070	20161	U-238	0.629	0.003	0.036	1.8	1.00 - 3.50
5B-00070	20162	Ac-227	0.0271 U	0.11	0.0086	0.217	0.00 - 0.50
5B-00070	20162	Ac-228	1.01	0.068	0.035	2.4	0.00 - 0.50
5B-00070	20162	Am-241	0.0017	0.0041	0.0013	0.0454	0.00 - 0.50
5B-00070	20162	Bi-212	0.833	0.11	0.065	2.15	0.00 - 0.50
5B-00070	20162	Bi-214	0.65	0.022	0.024	1.59	0.00 - 0.50
5B-00070	20162	Cd-113m	6 U	35	11	3030	0.00 - 0.50
5B-00070	20162	Cm-243/244	-0.001 U	0.0072	0.0017	0.0443	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00070	20162	Cm-245/246	0.0024 J	0.0016	0.0012	0.0401	0.00 - 0.50
5B-00070	20162	Cm-247/248	0.0012 U	0.0016	0.0009	0.0306	0.00 - 0.50
5B-00070	20162	Co-60	0.0057 U	0.015	0.0038	0.028	0.00 - 0.50
5B-00070	20162	Cs-134	0.0155 U	0.042	0.006	0.0864	0.00 - 0.50
5B-00070	20162	Cs-137	0 U	0.015	0.0035	0.207	0.00 - 0.50
5B-00070	20162	Eu-152	-0.017 U	0.031	0.0095	0.0566	0.00 - 0.50
5B-00070	20162	Eu-154	0.018 U	0.077	0.012	0.15	0.00 - 0.50
5B-00070	20162	Eu-155	0.06 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00070	20162	Ho-166m	-0.004 U	0.021	0.0038	0.0432	0.00 - 0.50
5B-00070	20162	K-40	14.8	0.11	0.45	32.4	0.00 - 0.50
5B-00070	20162	Na-22	-1E-04 U	0.02	0.006	0.037	0.00 - 0.50
5B-00070	20162	Nb-94	0.0041 U	0.012	0.0027	0.0214	0.00 - 0.50
5B-00070	20162	Np-236	-0.007 U	0.026	0.0079	0.047	0.00 - 0.50
5B-00070	20162	Np-239	-0.009 U	0.076	0.023	0.139	0.00 - 0.50
5B-00070	20162	Pa-231	-0.12 U	0.51	0.15	0.936	0.00 - 0.50
5B-00070	20162	Pb-212	1.31	0.019	0.053	2.69	0.00 - 0.50
5B-00070	20162	Pb-214	0.729	0.022	0.026	1.7	0.00 - 0.50
5B-00070	20162	Pu-236	-0.002 U	0.0066	0.0012	7.79	0.00 - 0.50
5B-00070	20162	Pu-238	-5E-04 U	0.0051	0.001	0.0415	0.00 - 0.50
5B-00070	20162	Pu-239/240	0 U	0.0015	0.0006	0.0404	0.00 - 0.50
5B-00070	20162	Pu-244	0.0022	0.004	0.0014	0.0313	0.00 - 0.50
5B-00070	20162	Sb-125	0.125 SK	0.034	0.011	0.354	0.00 - 0.50
5B-00070	20162	Sn-126	0.0001 U	0.014	0.0042	0.0237	0.00 - 0.50
5B-00070	20162	Sr-90	0.021	0.037	0.011	0.485	0.00 - 0.50
5B-00070	20162	Te-125m	0.0289 SK	0.0078	0.0024	0.0838	0.00 - 0.50
5B-00070	20162	Th-228	1.09	0.014	0.054	3.98	0.00 - 0.50
5B-00070	20162	Th-229	0.0087	0.0071	0.0033	0.145	0.00 - 0.50
5B-00070	20162	Th-230	0.731	0.01	0.039	2.2	0.00 - 0.50
5B-00070	20162	Th-232	1.06	0.002	0.053	3.1	0.00 - 0.50
5B-00070	20162	Th-234	1.22	0.13	0.071	3.19	0.00 - 0.50
5B-00070	20162	Tl-208	0.393	0.014	0.015	0.937	0.00 - 0.50
5B-00070	20162	Tm-171	1.2 U	3.6	1.1	72.4	0.00 - 0.50
5B-00070	20162	U-233/234	0.552	0.001	0.028	2.02	0.00 - 0.50
5B-00070	20162	U-235/236	0.0303	0.0013	0.0041	0.151	0.00 - 0.50
5B-00070	20162	U-238	0.585	0.004	0.029	1.8	0.00 - 0.50
5B-00138	20163	Ac-227	0.071	0.079	0.024	0.217	0.00 - 0.50
5B-00138	20163	Ac-228	0.947	0.058	0.034	2.4	0.00 - 0.50
5B-00138	20163	Am-241	0.0019 U	0.01	0.0027	0.0454	0.00 - 0.50
5B-00138	20163	Bi-212	0.81	0.099	0.063	2.15	0.00 - 0.50
5B-00138	20163	Bi-214	0.917	0.019	0.034	1.59	0.00 - 0.50
5B-00138	20163	Cd-113m	0.1 U	31	9.3	3030	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00138	20163	Cm-243/244	0.0009 U	0.0084	0.0021	0.0443	0.00 - 0.50
5B-00138	20163	Cm-245/246	0.0033	0.003	0.0019	0.0401	0.00 - 0.50
5B-00138	20163	Cm-247/248	0.0015 U	0.0065	0.0017	0.0306	0.00 - 0.50
5B-00138	20163	Co-60	0.0013 U	0.014	0.0012	0.028	0.00 - 0.50
5B-00138	20163	Cs-134	0.0056 U	0.043	0.0022	0.0864	0.00 - 0.50
5B-00138	20163	Cs-137	0.0004 U	0.012	0.0035	0.207	0.00 - 0.50
5B-00138	20163	Eu-152	-5E-04 U	0.027	0.0012	0.0566	0.00 - 0.50
5B-00138	20163	Eu-154	0.007 U	0.063	0.012	0.15	0.00 - 0.50
5B-00138	20163	Eu-155	0.053 SK	0.025	0.01	0.231	0.00 - 0.50
5B-00138	20163	Ho-166m	0.0226 SK	0.017	0.0033	0.0432	0.00 - 0.50
5B-00138	20163	K-40	21.5	0.12	0.71	32.4	0.00 - 0.50
5B-00138	20163	Na-22	-0.007 U	0.019	0.0056	0.037	0.00 - 0.50
5B-00138	20163	Nb-94	0.0031 U	0.0099	0.003	0.0214	0.00 - 0.50
5B-00138	20163	Np-236	0.0024 U	0.025	0.0074	0.047	0.00 - 0.50
5B-00138	20163	Np-239	-0.013 U	0.062	0.019	0.139	0.00 - 0.50
5B-00138	20163	Pa-231	0.11 U	0.45	0.14	0.936	0.00 - 0.50
5B-00138	20163	Pb-212	1.14	0.021	0.06	2.69	0.00 - 0.50
5B-00138	20163	Pb-214	1.01	0.02	0.037	1.7	0.00 - 0.50
5B-00138	20163	Pu-236	0 U	0.0022	0.0007	7.79	0.00 - 0.50
5B-00138	20163	Pu-238	0 U	0.0022	0.0007	0.0415	0.00 - 0.50
5B-00138	20163	Pu-239/240	0.008	0.0022	0.0026	0.0404	0.00 - 0.50
5B-00138	20163	Pu-244	0.0016	0.0022	0.0011	0.0313	0.00 - 0.50
5B-00138	20163	Sb-125	0.0926 JSK	0.027	0.0073	0.354	0.00 - 0.50
5B-00138	20163	Sn-126	-1E-04 U	0.011	0.0032	0.0237	0.00 - 0.50
5B-00138	20163	Sr-90	-0.007 U	0.047	0.013	0.485	0.00 - 0.50
5B-00138	20163	Te-125m	0.0214 JSK	0.0063	0.0017	0.0838	0.00 - 0.50
5B-00138	20163	Th-228	1.84	0.024	0.09	3.98	0.00 - 0.50
5B-00138	20163	Th-229	0.0045 U	0.016	0.0047	0.145	0.00 - 0.50
5B-00138	20163	Th-230	0.957	0.008	0.052	2.2	0.00 - 0.50
5B-00138	20163	Th-232	1.22	0.01	0.063	3.1	0.00 - 0.50
5B-00138	20163	Th-234	1.29 R	0.12	0.074	3.19	0.00 - 0.50
5B-00138	20163	Tl-208	0.364	0.013	0.015	0.937	0.00 - 0.50
5B-00138	20163	Tm-171	-5.4 U J	3.9	1.2	72.4	0.00 - 0.50
5B-00138	20163	U-233/234	0.72	0.008	0.041	2.02	0.00 - 0.50
5B-00138	20163	U-235/236	0.0407	0.0094	0.0076	0.151	0.00 - 0.50
5B-00138	20163	U-238	0.708	0.003	0.04	1.8	0.00 - 0.50
5B-00232	20165	Ac-227	0.029 U	0.12	0.015	0.217	0.00 - 0.50
5B-00232	20165	Ac-228	0.988	0.082	0.037	2.4	0.00 - 0.50
5B-00232	20165	Am-241	0 U	0.0055	0.0013	0.0454	0.00 - 0.50
5B-00232	20165	Bi-212	0.81	0.1	0.059	2.15	0.00 - 0.50
5B-00232	20165	Bi-214	0.733	0.025	0.028	1.59	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00232	20165	Cd-113m	0.8 U	36	11	3030	0.00 - 0.50
5B-00232	20165	Cm-243/244	0.0015 U	0.0053	0.0016	0.0443	0.00 - 0.50
5B-00232	20165	Cm-245/246	0.0011 U	0.0051	0.0014	0.0401	0.00 - 0.50
5B-00232	20165	Cm-247/248	0.0011 U	0.0015	0.0008	0.0306	0.00 - 0.50
5B-00232	20165	Co-60	-0.005 U	0.016	0.0048	0.028	0.00 - 0.50
5B-00232	20165	Cs-134	0.0008 U	0.025	0.0074	0.0864	0.00 - 0.50
5B-00232	20165	Cs-137	0.006 U	0.016	0.0049	0.207	0.00 - 0.50
5B-00232	20165	Eu-152	0.008 U	0.032	0.016	0.0566	0.00 - 0.50
5B-00232	20165	Eu-154	0.015 U J	0.096	0.029	0.15	0.00 - 0.50
5B-00232	20165	Eu-155	0.068 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00232	20165	Ho-166m	0.0106 JSK	0.019	0.0077	0.0432	0.00 - 0.50
5B-00232	20165	K-40	15.3	0.15	0.48	32.4	0.00 - 0.50
5B-00232	20165	Na-22	0.0017 U	0.022	0.0064	0.037	0.00 - 0.50
5B-00232	20165	Nb-94	0.0096	0.013	0.0039	0.0214	0.00 - 0.50
5B-00232	20165	Np-236	-9E-04 U	0.024	0.0073	0.047	0.00 - 0.50
5B-00232	20165	Np-239	-0.014 U	0.08	0.024	0.139	0.00 - 0.50
5B-00232	20165	Pa-231	-0.03 U	0.53	0.16	0.936	0.00 - 0.50
5B-00232	20165	Pb-212	1.3	0.021	0.053	2.69	0.00 - 0.50
5B-00232	20165	Pb-214	0.819	0.025	0.029	1.7	0.00 - 0.50
5B-00232	20165	Pu-236	-4E-04 U	0.0033	0.0005	7.79	0.00 - 0.50
5B-00232	20165	Pu-238	-9E-04 U	0.0048	0.001	0.0415	0.00 - 0.50
5B-00232	20165	Pu-239/240	0.0009 U	0.0012	0.0006	0.0404	0.00 - 0.50
5B-00232	20165	Pu-244	0.0009 U	0.0012	0.0006	0.0313	0.00 - 0.50
5B-00232	20165	Sb-125	0.119 SK	0.039	0.011	0.354	0.00 - 0.50
5B-00232	20165	Sn-126	0 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00232	20165	Sr-90	-0.008 U	0.057	0.016	0.485	0.00 - 0.50
5B-00232	20165	Te-125m	0.0274 SK	0.009	0.0026	0.0838	0.00 - 0.50
5B-00232	20165	Th-228	1.08	0.007	0.053	3.98	0.00 - 0.50
5B-00232	20165	Th-229	0.0056	0.0056	0.0024	0.145	0.00 - 0.50
5B-00232	20165	Th-230	0.728	0.005	0.038	2.2	0.00 - 0.50
5B-00232	20165	Th-232	1.06	0.005	0.052	3.1	0.00 - 0.50
5B-00232	20165	Th-234	0.493	0.14	0.047	3.19	0.00 - 0.50
5B-00232	20165	Tl-208	0.383	0.015	0.015	0.937	0.00 - 0.50
5B-00232	20165	Tm-171	-1 U J	5.1	1.5	72.4	0.00 - 0.50
5B-00232	20165	U-233/234	0.649	0.004	0.031	2.02	0.00 - 0.50
5B-00232	20165	U-235/236	0.0317	0.0013	0.0041	0.151	0.00 - 0.50
5B-00232	20165	U-238	0.654	0.001	0.032	1.8	0.00 - 0.50
5B-00233	20167	Ac-227	0.056	0.11	0.014	0.217	0.00 - 0.50
5B-00233	20167	Ac-228	1.12	0.051	0.04	2.4	0.00 - 0.50
5B-00233	20167	Am-241	0.0014 U	0.0074	0.002	0.0454	0.00 - 0.50
5B-00233	20167	Bi-212	0.907	0.09	0.059	2.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00233	20167	Bi-214	0.669	0.021	0.027	1.59	0.00 - 0.50
5B-00233	20167	Cd-113m	3.1 U	23	7	3030	0.00 - 0.50
5B-00233	20167	Cm-243/244	-0.004 U	0.012	0.0027	0.0443	0.00 - 0.50
5B-00233	20167	Cm-245/246	0.0015 U	0.007	0.0019	0.0401	0.00 - 0.50
5B-00233	20167	Cm-247/248	-7E-04 U	0.0054	0.0008	0.0306	0.00 - 0.50
5B-00233	20167	Co-60	-0.004 U	0.013	0.004	0.028	0.00 - 0.50
5B-00233	20167	Cs-134	0.0126 U	0.028	0.0033	0.0864	0.00 - 0.50
5B-00233	20167	Cs-137	-0.001 U	0.01	0.0031	0.207	0.00 - 0.50
5B-00233	20167	Eu-152	-0.005 U	0.027	0.0082	0.0566	0.00 - 0.50
5B-00233	20167	Eu-154	0.0004 U J	0.051	0.015	0.15	0.00 - 0.50
5B-00233	20167	Eu-155	0.07 SK	0.029	0.013	0.231	0.00 - 0.50
5B-00233	20167	Ho-166m	0.0044 U J	0.017	0.0033	0.0432	0.00 - 0.50
5B-00233	20167	K-40	17.1	0.13	0.57	32.4	0.00 - 0.50
5B-00233	20167	Na-22	0.0001 U	0.016	0.0046	0.037	0.00 - 0.50
5B-00233	20167	Nb-94	0.003 U	0.0095	0.0029	0.0214	0.00 - 0.50
5B-00233	20167	Np-236	-0.005 U	0.024	0.0073	0.047	0.00 - 0.50
5B-00233	20167	Np-239	0.015 U	0.068	0.02	0.139	0.00 - 0.50
5B-00233	20167	Pa-231	0.073 U	0.43	0.042	0.936	0.00 - 0.50
5B-00233	20167	Pb-212	1.38	0.018	0.073	2.69	0.00 - 0.50
5B-00233	20167	Pb-214	0.768	0.02	0.03	1.7	0.00 - 0.50
5B-00233	20167	Pu-236	0 U	0.0012	0.0005	7.79	0.00 - 0.50
5B-00233	20167	Pu-238	-9E-04 U	0.004	0.0007	0.0415	0.00 - 0.50
5B-00233	20167	Pu-239/240	0.0004 U	0.0012	0.0004	0.0404	0.00 - 0.50
5B-00233	20167	Pu-244	0.0009 U	0.0012	0.0006	0.0313	0.00 - 0.50
5B-00233	20167	Sb-125	0.132 SK	0.024	0.0088	0.354	0.00 - 0.50
5B-00233	20167	Sn-126	0.0018 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00233	20167	Sr-90	0.007 U	0.056	0.016	0.485	0.00 - 0.50
5B-00233	20167	Te-125m	0.0305 SK	0.0056	0.002	0.0838	0.00 - 0.50
5B-00233	20167	Th-228	0.964	0.013	0.049	3.98	0.00 - 0.50
5B-00233	20167	Th-229	0.0075	0.0061	0.0028	0.145	0.00 - 0.50
5B-00233	20167	Th-230	0.836	0.008	0.043	2.2	0.00 - 0.50
5B-00233	20167	Th-232	0.956	0.006	0.048	3.1	0.00 - 0.50
5B-00233	20167	Th-234	0.549	0.12	0.043	3.19	0.00 - 0.50
5B-00233	20167	Tl-208	0.421	0.013	0.017	0.937	0.00 - 0.50
5B-00233	20167	Tm-171	-3.5 L U J	4.3	1.3	72.4	0.00 - 0.50
5B-00233	20167	U-233/234	0.798	0.001	0.038	2.02	0.00 - 0.50
5B-00233	20167	U-235/236	0.045	0.0037	0.0052	0.151	0.00 - 0.50
5B-00233	20167	U-238	0.843	0.003	0.04	1.8	0.00 - 0.50
5B-00234	20168	Ac-227	0.038 U	0.13	0.046	0.217	1.00 - 3.50
5B-00234	20168	Ac-228	1.25	0.08	0.042	2.4	1.00 - 3.50
5B-00234	20168	Am-241	0.0009 U	0.0086	0.0022	0.0454	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00234	20168	Bi-212	1	0.14	0.081	2.15	1.00 - 3.50
5B-00234	20168	Bi-214	0.642	0.026	0.025	1.59	1.00 - 3.50
5B-00234	20168	Cd-113m	-0.2 U	33	9.8	3030	1.00 - 3.50
5B-00234	20168	Cm-243/244	0.0027 U	0.016	0.0046	0.0443	1.00 - 3.50
5B-00234	20168	Cm-245/246	0 U J	0.0076	0.0017	0.0401	1.00 - 3.50
5B-00234	20168	Cm-247/248	0.0008 U	0.0022	0.0008	0.0306	1.00 - 3.50
5B-00234	20168	Co-60	0.0008 U	0.017	0.0013	0.028	1.00 - 3.50
5B-00234	20168	Cs-134	-0.008 U	0.016	0.0049	0.0864	1.00 - 3.50
5B-00234	20168	Cs-137	0.0119	0.016	0.0063	0.207	1.00 - 3.50
5B-00234	20168	Eu-152	0.0018 U	0.035	0.0029	0.0566	1.00 - 3.50
5B-00234	20168	Eu-154	-0.02 U	0.097	0.029	0.15	1.00 - 3.50
5B-00234	20168	Eu-155	0.061 SK	0.03	0.012	0.231	1.00 - 3.50
5B-00234	20168	Ho-166m	0.0099 U	0.023	0.0057	0.0432	1.00 - 3.50
5B-00234	20168	K-40	16.1	0.13	0.49	32.4	1.00 - 3.50
5B-00234	20168	Na-22	0.0003 U	0.021	0.0063	0.037	1.00 - 3.50
5B-00234	20168	Nb-94	0.0075 SK	0.0088	0.0034	0.0214	1.00 - 3.50
5B-00234	20168	Np-236	-0.004 U	0.026	0.0079	0.047	1.00 - 3.50
5B-00234	20168	Np-239	-0.018 U	0.08	0.024	0.139	1.00 - 3.50
5B-00234	20168	Pa-231	-0.006 U	0.52	0.16	0.936	1.00 - 3.50
5B-00234	20168	Pb-212	1.59	0.021	0.064	2.69	1.00 - 3.50
5B-00234	20168	Pb-214	0.685	0.027	0.026	1.7	1.00 - 3.50
5B-00234	20168	Pu-236	-5E-04 U	0.0047	0.0005	7.79	1.00 - 3.50
5B-00234	20168	Pu-238	0.0035	0.0047	0.0018	0.0415	1.00 - 3.50
5B-00234	20168	Pu-239/240	0.0016	0.0021	0.0011	0.0404	1.00 - 3.50
5B-00234	20168	Pu-244	0.0031	0.0021	0.0016	0.0313	1.00 - 3.50
5B-00234	20168	Sb-125	0.115 JSK	0.04	0.0089	0.354	1.00 - 3.50
5B-00234	20168	Sn-126	-6E-04 U	0.016	0.0046	0.0237	1.00 - 3.50
5B-00234	20168	Sr-90	-0.006 U	0.034	0.0098	0.485	1.00 - 3.50
5B-00234	20168	Te-125m	0.0267 JSK	0.0092	0.0021	0.0838	1.00 - 3.50
5B-00234	20168	Th-228	1.29	0.021	0.066	3.98	1.00 - 3.50
5B-00234	20168	Th-229	0.0102	0.012	0.0045	0.145	1.00 - 3.50
5B-00234	20168	Th-230	0.891	0.01	0.048	2.2	1.00 - 3.50
5B-00234	20168	Th-232	1.26	0.008	0.064	3.1	1.00 - 3.50
5B-00234	20168	Th-234	0.308 R	0.15	0.047	3.19	1.00 - 3.50
5B-00234	20168	Tl-208	0.481	0.015	0.017	0.937	1.00 - 3.50
5B-00234	20168	Tm-171	0.008 U	5.2	1.6	72.4	1.00 - 3.50
5B-00234	20168	U-233/234	0.689	0.009	0.041	2.02	1.00 - 3.50
5B-00234	20168	U-235/236	0.0441	0.011	0.0085	0.151	1.00 - 3.50
5B-00234	20168	U-238	0.768	0.015	0.044	1.8	1.00 - 3.50
5B-00234	20169	Ac-227	0.024 U	0.15	0.023	0.217	0.00 - 0.50
5B-00234	20169	Ac-228	1.17	0.086	0.042	2.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00234	20169	Am-241	0.0023 U	0.0031	0.0016	0.0454	0.00 - 0.50
5B-00234	20169	Bi-212	0.905	0.13	0.07	2.15	0.00 - 0.50
5B-00234	20169	Bi-214	0.826	0.025	0.03	1.59	0.00 - 0.50
5B-00234	20169	Cd-113m	13 U	41	12	3030	0.00 - 0.50
5B-00234	20169	Cm-243/244	0.0011 U	0.003	0.0011	0.0443	0.00 - 0.50
5B-00234	20169	Cm-245/246	0.0024 U J	0.0089	0.0025	0.0401	0.00 - 0.50
5B-00234	20169	Cm-247/248	0.0024 U	0.0032	0.0017	0.0306	0.00 - 0.50
5B-00234	20169	Co-60	0.0067 U	0.019	0.0056	0.028	0.00 - 0.50
5B-00234	20169	Cs-134	0.0131 U	0.053	0.0046	0.0864	0.00 - 0.50
5B-00234	20169	Cs-137	-0.005 U	0.017	0.0052	0.207	0.00 - 0.50
5B-00234	20169	Eu-152	0.023	0.037	0.015	0.0566	0.00 - 0.50
5B-00234	20169	Eu-154	0.0042 U	0.11	0.0084	0.15	0.00 - 0.50
5B-00234	20169	Eu-155	0.069 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00234	20169	Ho-166m	0.0232 SK	0.025	0.0038	0.0432	0.00 - 0.50
5B-00234	20169	K-40	20.1	0.13	0.61	32.4	0.00 - 0.50
5B-00234	20169	Na-22	0.002 U	0.025	0.0076	0.037	0.00 - 0.50
5B-00234	20169	Nb-94	0.0053 U	0.015	0.0044	0.0214	0.00 - 0.50
5B-00234	20169	Np-236	0.0053 U	0.031	0.0093	0.047	0.00 - 0.50
5B-00234	20169	Np-239	0.02 U	0.086	0.026	0.139	0.00 - 0.50
5B-00234	20169	Pa-231	-0.008 U	0.6	0.18	0.936	0.00 - 0.50
5B-00234	20169	Pb-212	1.48	0.025	0.06	2.69	0.00 - 0.50
5B-00234	20169	Pb-214	0.965	0.025	0.033	1.7	0.00 - 0.50
5B-00234	20169	Pu-236	0.0021	0.0057	0.0017	7.79	0.00 - 0.50
5B-00234	20169	Pu-238	0.0005 U	0.0074	0.002	0.0415	0.00 - 0.50
5B-00234	20169	Pu-239/240	0.0026	0.0014	0.0012	0.0404	0.00 - 0.50
5B-00234	20169	Pu-244	0.001 U	0.0039	0.0011	0.0313	0.00 - 0.50
5B-00234	20169	Sb-125	0.108 SK	0.043	0.0092	0.354	0.00 - 0.50
5B-00234	20169	Sn-126	0.0049 U	0.015	0.0047	0.0237	0.00 - 0.50
5B-00234	20169	Sr-90	0.005 U	0.039	0.011	0.485	0.00 - 0.50
5B-00234	20169	Te-125m	0.0249 SK	0.0099	0.0021	0.0838	0.00 - 0.50
5B-00234	20169	Th-228	1.14	0.015	0.06	3.98	0.00 - 0.50
5B-00234	20169	Th-229	0.0085	0.0088	0.0035	0.145	0.00 - 0.50
5B-00234	20169	Th-230	0.947	0.003	0.052	2.2	0.00 - 0.50
5B-00234	20169	Th-232	1.14	0.011	0.06	3.1	0.00 - 0.50
5B-00234	20169	Th-234	1.44	0.15	0.085	3.19	0.00 - 0.50
5B-00234	20169	Tl-208	0.469	0.019	0.019	0.937	0.00 - 0.50
5B-00234	20169	Tm-171	3	6.1	1.8	72.4	0.00 - 0.50
5B-00234	20169	U-233/234	0.507	0.013	0.03	2.02	0.00 - 0.50
5B-00234	20169	U-235/236	0.0294	0.0028	0.0057	0.151	0.00 - 0.50
5B-00234	20169	U-238	0.554	0.008	0.032	1.8	0.00 - 0.50
5B-00235	20170	Ac-227	0.299 R	0.11	0.016	0.217	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00235	20170	Ac-228	1.18	0.059	0.041	2.4	1.00 - 2.00
5B-00235	20170	Am-241	-0.001 U	0.0079	0.0012	0.0454	1.00 - 2.00
5B-00235	20170	Bi-212	0.959	0.11	0.069	2.15	1.00 - 2.00
5B-00235	20170	Bi-214	0.643	0.019	0.025	1.59	1.00 - 2.00
5B-00235	20170	Cd-113m	1 U	31	9.3	3030	1.00 - 2.00
5B-00235	20170	Cm-243/244	-0.001 U	0.0097	0.002	0.0443	1.00 - 2.00
5B-00235	20170	Cm-245/246	-9E-04 U	0.0064	0.001	0.0401	1.00 - 2.00
5B-00235	20170	Cm-247/248	0.0009 U	0.0023	0.0009	0.0306	1.00 - 2.00
5B-00235	20170	Co-60	-0.003 U	0.014	0.0042	0.028	1.00 - 2.00
5B-00235	20170	Cs-134	0.0062 U	0.036	0.0016	0.0864	1.00 - 2.00
5B-00235	20170	Cs-137	0.0078	0.0079	0.0031	0.207	1.00 - 2.00
5B-00235	20170	Eu-152	-0.007 U	0.029	0.0089	0.0566	1.00 - 2.00
5B-00235	20170	Eu-154	-0.001 U	0.075	0.0016	0.15	1.00 - 2.00
5B-00235	20170	Eu-155	0.054 SK	0.028	0.012	0.231	1.00 - 2.00
5B-00235	20170	Ho-166m	0.0126 SK	0.017	0.0059	0.0432	1.00 - 2.00
5B-00235	20170	K-40	19.6	0.13	0.65	32.4	1.00 - 2.00
5B-00235	20170	Na-22	-7E-04 U	0.022	0.0065	0.037	1.00 - 2.00
5B-00235	20170	Nb-94	0.0047 U	0.01	0.0032	0.0214	1.00 - 2.00
5B-00235	20170	Np-236	-0.005 U	0.025	0.0075	0.047	1.00 - 2.00
5B-00235	20170	Np-239	0.023 U	0.07	0.021	0.139	1.00 - 2.00
5B-00235	20170	Pa-231	-0.001 U	0.43	0.13	0.936	1.00 - 2.00
5B-00235	20170	Pb-212	1.47	0.023	0.078	2.69	1.00 - 2.00
5B-00235	20170	Pb-214	0.737	0.02	0.028	1.7	1.00 - 2.00
5B-00235	20170	Pu-236	0 U	0.0022	0.0007	7.79	1.00 - 2.00
5B-00235	20170	Pu-238	0.0015 U	0.0059	0.0016	0.0415	1.00 - 2.00
5B-00235	20170	Pu-239/240	0.0008 U	0.0022	0.0008	0.0404	1.00 - 2.00
5B-00235	20170	Pu-244	0 U	0.0022	0.0007	0.0313	1.00 - 2.00
5B-00235	20170	Sb-125	0.119 JSK	0.031	0.0091	0.354	1.00 - 2.00
5B-00235	20170	Sn-126	0.0009 U	0.011	0.0034	0.0237	1.00 - 2.00
5B-00235	20170	Sr-90	0.015 U	0.036	0.011	0.485	1.00 - 2.00
5B-00235	20170	Te-125m	0.0276 JSK	0.0072	0.0021	0.0838	1.00 - 2.00
5B-00235	20170	Th-228	1.24	0.013	0.063	3.98	1.00 - 2.00
5B-00235	20170	Th-229	0.0129	0.013	0.005	0.145	1.00 - 2.00
5B-00235	20170	Th-230	0.884	0.009	0.048	2.2	1.00 - 2.00
5B-00235	20170	Th-232	1.16	0.007	0.06	3.1	1.00 - 2.00
5B-00235	20170	Th-234	1.34 R	0.12	0.076	3.19	1.00 - 2.00
5B-00235	20170	Tl-208	0.449	0.014	0.018	0.937	1.00 - 2.00
5B-00235	20170	Tm-171	-0.04 U	5	1.5	72.4	1.00 - 2.00
5B-00235	20170	U-233/234	0.631	0.01	0.036	2.02	1.00 - 2.00
5B-00235	20170	U-235/236	0.0448	0.0082	0.0075	0.151	1.00 - 2.00
5B-00235	20170	U-238	0.658	0.007	0.037	1.8	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00235	20171	Ac-227	0.061 U	0.15	0.044	0.217	0.00 - 0.50
5B-00235	20171	Ac-228	1.16	0.084	0.041	2.4	0.00 - 0.50
5B-00235	20171	Am-241	-0.002 U	0.0076	0.0013	0.0454	0.00 - 0.50
5B-00235	20171	Bi-212	0.942	0.13	0.07	2.15	0.00 - 0.50
5B-00235	20171	Bi-214	0.806	0.028	0.03	1.59	0.00 - 0.50
5B-00235	20171	Cd-113m	-7 U	41	12	3030	0.00 - 0.50
5B-00235	20171	Cm-243/244	0.0016 U	0.0059	0.0017	0.0443	0.00 - 0.50
5B-00235	20171	Cm-245/246	0.002 U J	0.0027	0.0014	0.0401	0.00 - 0.50
5B-00235	20171	Cm-247/248	0 U	0.0027	0.0011	0.0306	0.00 - 0.50
5B-00235	20171	Co-60	0.0085	0.017	0.0053	0.028	0.00 - 0.50
5B-00235	20171	Cs-134	-0.017 L U	0.019	0.0059	0.0864	0.00 - 0.50
5B-00235	20171	Cs-137	-0.004 U	0.018	0.0071	0.207	0.00 - 0.50
5B-00235	20171	Eu-152	0.011 U	0.038	0.0053	0.0566	0.00 - 0.50
5B-00235	20171	Eu-154	-0.031 U	0.12	0.035	0.15	0.00 - 0.50
5B-00235	20171	Eu-155	0.075 SK	0.033	0.013	0.231	0.00 - 0.50
5B-00235	20171	Ho-166m	0.0123 U	0.027	0.0069	0.0432	0.00 - 0.50
5B-00235	20171	K-40	19.2	0.15	0.59	32.4	0.00 - 0.50
5B-00235	20171	Na-22	0.0056 U	0.026	0.0078	0.037	0.00 - 0.50
5B-00235	20171	Nb-94	0.0056 U	0.015	0.0046	0.0214	0.00 - 0.50
5B-00235	20171	Np-236	0.0003 U	0.023	0.0068	0.047	0.00 - 0.50
5B-00235	20171	Np-239	-0.004 U	0.09	0.027	0.139	0.00 - 0.50
5B-00235	20171	Pa-231	-0.004 U	0.6	0.18	0.936	0.00 - 0.50
5B-00235	20171	Pb-212	1.59	0.024	0.065	2.69	0.00 - 0.50
5B-00235	20171	Pb-214	0.867	0.027	0.031	1.7	0.00 - 0.50
5B-00235	20171	Pu-236	0.004	0.006	0.0021	7.79	0.00 - 0.50
5B-00235	20171	Pu-238	0.001 U	0.006	0.0017	0.0415	0.00 - 0.50
5B-00235	20171	Pu-239/240	0.001 U	0.0047	0.0013	0.0404	0.00 - 0.50
5B-00235	20171	Pu-244	0.0035	0.0014	0.0013	0.0313	0.00 - 0.50
5B-00235	20171	Sb-125	0.134 SK	0.047	0.011	0.354	0.00 - 0.50
5B-00235	20171	Sn-126	0.0142	0.013	0.0053	0.0237	0.00 - 0.50
5B-00235	20171	Sr-90	0.046	0.057	0.018	0.485	0.00 - 0.50
5B-00235	20171	Te-125m	0.0309 SK	0.011	0.0026	0.0838	0.00 - 0.50
5B-00235	20171	Th-228	1.32	0.02	0.067	3.98	0.00 - 0.50
5B-00235	20171	Th-229	0.0033	0.0081	0.0025	0.145	0.00 - 0.50
5B-00235	20171	Th-230	1	0.003	0.053	2.2	0.00 - 0.50
5B-00235	20171	Th-232	1.29	0.008	0.066	3.1	0.00 - 0.50
5B-00235	20171	Th-234	1.44	0.15	0.082	3.19	0.00 - 0.50
5B-00235	20171	Tl-208	0.493	0.019	0.019	0.937	0.00 - 0.50
5B-00235	20171	Tm-171	2.1 U	4.5	1.4	72.4	0.00 - 0.50
5B-00235	20171	U-233/234	0.588	0.011	0.035	2.02	0.00 - 0.50
5B-00235	20171	U-235/236	0.0297	0.0095	0.0066	0.151	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00235	20171	U-238	0.569	0.003	0.034	1.8	0.00 - 0.50
5B-00299	20172	Ac-227	0.006 U	0.12	0.037	0.217	0.25 - 2.00
5B-00299	20172	Ac-228	1.03	0.073	0.037	2.4	0.25 - 2.00
5B-00299	20172	Am-241	-0.004 U	0.013	0.0024	0.0454	0.25 - 2.00
5B-00299	20172	Bi-212	0.894	0.12	0.071	2.15	0.25 - 2.00
5B-00299	20172	Bi-214	0.693	0.023	0.026	1.59	0.25 - 2.00
5B-00299	20172	Cd-113m	9 U	36	11	3030	0.25 - 2.00
5B-00299	20172	Cm-243/244	0.0036	0.0032	0.0021	0.0443	0.25 - 2.00
5B-00299	20172	Cm-245/246	0.0029 J	0.002	0.0015	0.0401	0.25 - 2.00
5B-00299	20172	Cm-247/248	0.0007 U	0.0019	0.0007	0.0306	0.25 - 2.00
5B-00299	20172	Co-60	0.0012 U	0.017	0.0013	0.028	0.25 - 2.00
5B-00299	20172	Cs-134	0.015 U J	0.044	0.0044	0.0864	0.25 - 2.00
5B-00299	20172	Cs-137	0.007	0.01	0.0032	0.207	0.25 - 2.00
5B-00299	20172	Eu-152	0.007 U	0.034	0.012	0.0566	0.25 - 2.00
5B-00299	20172	Eu-154	0.0134 U	0.091	0.0053	0.15	0.25 - 2.00
5B-00299	20172	Eu-155	0.074 RSK	0.029	0.012	0.231	0.25 - 2.00
5B-00299	20172	Ho-166m	0.0117 SK	0.023	0.0064	0.0432	0.25 - 2.00
5B-00299	20172	K-40	19	0.12	0.57	32.4	0.25 - 2.00
5B-00299	20172	Na-22	-0.013 U	0.023	0.007	0.037	0.25 - 2.00
5B-00299	20172	Nb-94	-0.003 U	0.0098	0.0029	0.0214	0.25 - 2.00
5B-00299	20172	Np-236	-0.005 U	0.027	0.0082	0.047	0.25 - 2.00
5B-00299	20172	Np-239	0.011 U	0.076	0.023	0.139	0.25 - 2.00
5B-00299	20172	Pa-231	0.04 U	0.5	0.15	0.936	0.25 - 2.00
5B-00299	20172	Pb-212	1.28	0.023	0.053	2.69	0.25 - 2.00
5B-00299	20172	Pb-214	0.745	0.021	0.026	1.7	0.25 - 2.00
5B-00299	20172	Pu-236	-5E-04 U	0.0078	0.002	7.79	0.25 - 2.00
5B-00299	20172	Pu-238	-0.002 U	0.0068	0.0014	0.0415	0.25 - 2.00
5B-00299	20172	Pu-239/240	0 U	0.0038	0.0008	0.0404	0.25 - 2.00
5B-00299	20172	Pu-244	0.0026	0.0038	0.0014	0.0313	0.25 - 2.00
5B-00299	20172	Sb-125	0.0978 SK	0.036	0.0082	0.354	0.25 - 2.00
5B-00299	20172	Sn-126	0.0014 U	0.014	0.0041	0.0237	0.25 - 2.00
5B-00299	20172	Sr-90	0.008 U	0.041	0.012	0.485	0.25 - 2.00
5B-00299	20172	Te-125m	0.0226 SK	0.0084	0.0019	0.0838	0.25 - 2.00
5B-00299	20172	Th-228	1.04	0.013	0.053	3.98	0.25 - 2.00
5B-00299	20172	Th-229	0.0041	0.0022	0.0018	0.145	0.25 - 2.00
5B-00299	20172	Th-230	0.731	0.002	0.039	2.2	0.25 - 2.00
5B-00299	20172	Th-232	1.02	0.006	0.052	3.1	0.25 - 2.00
5B-00299	20172	Th-234	1.19	0.13	0.07	3.19	0.25 - 2.00
5B-00299	20172	Tl-208	0.413	0.014	0.015	0.937	0.25 - 2.00
5B-00299	20172	Tm-171	-1.6 U	5.3	1.6	72.4	0.25 - 2.00
5B-00299	20172	U-233/234	0.539	0.01	0.032	2.02	0.25 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00299	20172	U-235/236	0.0423	0.0032	0.0073	0.151	0.25 - 2.00
5B-00299	20172	U-238	0.628	0.007	0.036	1.8	0.25 - 2.00
5B-00299	20173	Ac-227	0.076	0.089	0.02	0.217	0.00 - 0.50
5B-00299	20173	Ac-228	1.01	0.074	0.035	2.4	0.00 - 0.50
5B-00299	20173	Am-241	-4E-04 U	0.0053	0.0012	0.0454	0.00 - 0.50
5B-00299	20173	Bi-212	0.901	0.12	0.073	2.15	0.00 - 0.50
5B-00299	20173	Bi-214	0.657	0.021	0.024	1.59	0.00 - 0.50
5B-00299	20173	Cd-113m	-7 U	37	11	3030	0.00 - 0.50
5B-00299	20173	Cm-243/244	-4E-04 U	0.0046	0.001	0.0443	0.00 - 0.50
5B-00299	20173	Cm-245/246	0.0061 K	0.0018	0.0021	0.0401	0.00 - 0.50
5B-00299	20173	Cm-247/248	-4E-04 U	0.004	0.0005	0.0306	0.00 - 0.50
5B-00299	20173	Co-60	0.0004 U	0.017	0.0027	0.028	0.00 - 0.50
5B-00299	20173	Cs-134	0.0117 U	0.045	0.0038	0.0864	0.00 - 0.50
5B-00299	20173	Cs-137	0.0063	0.012	0.0035	0.207	0.00 - 0.50
5B-00299	20173	Eu-152	0.0082 U	0.027	0.008	0.0566	0.00 - 0.50
5B-00299	20173	Eu-154	0.005 U	0.091	0.021	0.15	0.00 - 0.50
5B-00299	20173	Eu-155	0.052 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00299	20173	Ho-166m	0.0045 U J	0.023	0.0054	0.0432	0.00 - 0.50
5B-00299	20173	K-40	15.4	0.1	0.47	32.4	0.00 - 0.50
5B-00299	20173	Na-22	-0.004 U	0.02	0.0061	0.037	0.00 - 0.50
5B-00299	20173	Nb-94	0.001 U	0.013	0.0012	0.0214	0.00 - 0.50
5B-00299	20173	Np-236	0.0025 U	0.028	0.0083	0.047	0.00 - 0.50
5B-00299	20173	Np-239	-0.003 U	0.078	0.024	0.139	0.00 - 0.50
5B-00299	20173	Pa-231	0.05 U	0.53	0.11	0.936	0.00 - 0.50
5B-00299	20173	Pb-212	1.34	0.02	0.054	2.69	0.00 - 0.50
5B-00299	20173	Pb-214	0.708	0.024	0.025	1.7	0.00 - 0.50
5B-00299	20173	Pu-236	-0.001 U	0.004	0.0007	7.79	0.00 - 0.50
5B-00299	20173	Pu-238	-0.001 U	0.0048	0.0011	0.0415	0.00 - 0.50
5B-00299	20173	Pu-239/240	-4E-04 U	0.0027	0.0004	0.0404	0.00 - 0.50
5B-00299	20173	Pu-244	0.0022	0.001	0.0009	0.0313	0.00 - 0.50
5B-00299	20173	Sb-125	0.0997 SK	0.038	0.0083	0.354	0.00 - 0.50
5B-00299	20173	Sn-126	0 U	0.015	0.003	0.0237	0.00 - 0.50
5B-00299	20173	Sr-90	-0.006 U	0.048	0.014	0.485	0.00 - 0.50
5B-00299	20173	Te-125m	0.023 SK	0.0088	0.0019	0.0838	0.00 - 0.50
5B-00299	20173	Th-228	1.06	0.016	0.055	3.98	0.00 - 0.50
5B-00299	20173	Th-229	0.0087	0.0016	0.0023	0.145	0.00 - 0.50
5B-00299	20173	Th-230	0.809	0.003	0.044	2.2	0.00 - 0.50
5B-00299	20173	Th-232	1.14	0.003	0.058	3.1	0.00 - 0.50
5B-00299	20173	Th-234	0.27 R	0.14	0.045	3.19	0.00 - 0.50
5B-00299	20173	Tl-208	0.413	0.016	0.016	0.937	0.00 - 0.50
5B-00299	20173	Tm-171	-0.05 U J	4.6	1.4	72.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00299	20173	U-233/234	0.526	0.001	0.026	2.02	0.00 - 0.50
5B-00299	20173	U-235/236	0.0337	0.0012	0.0041	0.151	0.00 - 0.50
5B-00299	20173	U-238	0.56	0.001	0.027	1.8	0.00 - 0.50
5B-00300	20175	Ac-227	0.052 U	0.11	0.031	0.217	0.00 - 0.50
5B-00300	20175	Ac-228	1.08	0.055	0.038	2.4	0.00 - 0.50
5B-00300	20175	Am-241	0.0005 U	0.0043	0.0011	0.0454	0.00 - 0.50
5B-00300	20175	Bi-212	0.882	0.092	0.06	2.15	0.00 - 0.50
5B-00300	20175	Bi-214	0.718	0.019	0.028	1.59	0.00 - 0.50
5B-00300	20175	Cd-113m	5 U	30	9.1	3030	0.00 - 0.50
5B-00300	20175	Cm-243/244	0 U	0.0042	0.001	0.0443	0.00 - 0.50
5B-00300	20175	Cm-245/246	0.0002 U J	0.0065	0.0014	0.0401	0.00 - 0.50
5B-00300	20175	Cm-247/248	0 U	0.0021	0.0007	0.0306	0.00 - 0.50
5B-00300	20175	Co-60	0.0026 U	0.012	0.0025	0.028	0.00 - 0.50
5B-00300	20175	Cs-134	0.0152 U	0.031	0.0044	0.0864	0.00 - 0.50
5B-00300	20175	Cs-137	-0.007 U	0.012	0.0036	0.207	0.00 - 0.50
5B-00300	20175	Eu-152	0.0116 U	0.028	0.0088	0.0566	0.00 - 0.50
5B-00300	20175	Eu-154	0.006 U	0.068	0.015	0.15	0.00 - 0.50
5B-00300	20175	Eu-155	0.076 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00300	20175	Ho-166m	0.0058 U J	0.018	0.0041	0.0432	0.00 - 0.50
5B-00300	20175	K-40	16.2	0.13	0.54	32.4	0.00 - 0.50
5B-00300	20175	Na-22	-3E-04 U	0.018	0.0054	0.037	0.00 - 0.50
5B-00300	20175	Nb-94	0.003 U	0.0098	0.0022	0.0214	0.00 - 0.50
5B-00300	20175	Np-236	-0.004 U	0.025	0.0075	0.047	0.00 - 0.50
5B-00300	20175	Np-239	-0.014 U	0.07	0.021	0.139	0.00 - 0.50
5B-00300	20175	Pa-231	0.02 U	0.38	0.11	0.936	0.00 - 0.50
5B-00300	20175	Pb-212	1.35	0.019	0.072	2.69	0.00 - 0.50
5B-00300	20175	Pb-214	0.795	0.021	0.031	1.7	0.00 - 0.50
5B-00300	20175	Pu-236	-0.001 U	0.0048	0.001	7.79	0.00 - 0.50
5B-00300	20175	Pu-238	0 U	0.0037	0.0009	0.0415	0.00 - 0.50
5B-00300	20175	Pu-239/240	0.0004 U	0.0011	0.0004	0.0404	0.00 - 0.50
5B-00300	20175	Pu-244	0.0024	0.0011	0.001	0.0313	0.00 - 0.50
5B-00300	20175	Sb-125	0.103 SK	0.03	0.0079	0.354	0.00 - 0.50
5B-00300	20175	Sn-126	-0.002 U	0.011	0.0034	0.0237	0.00 - 0.50
5B-00300	20175	Sr-90	0.03	0.052	0.016	0.485	0.00 - 0.50
5B-00300	20175	Te-125m	0.0237 SK	0.007	0.0018	0.0838	0.00 - 0.50
5B-00300	20175	Th-228	1.13	0.012	0.059	3.98	0.00 - 0.50
5B-00300	20175	Th-229	0.0069	0.0023	0.0025	0.145	0.00 - 0.50
5B-00300	20175	Th-230	0.838	0.012	0.047	2.2	0.00 - 0.50
5B-00300	20175	Th-232	1.1	0.008	0.058	3.1	0.00 - 0.50
5B-00300	20175	Th-234	1.19 R	0.12	0.071	3.19	0.00 - 0.50
5B-00300	20175	Tl-208	0.411	0.014	0.017	0.937	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00300	20175	Tm-171	-1.1 U J	5	1.5	72.4	0.00 - 0.50
5B-00300	20175	U-233/234	0.595	0.003	0.029	2.02	0.00 - 0.50
5B-00300	20175	U-235/236	0.0283	0.0013	0.0038	0.151	0.00 - 0.50
5B-00300	20175	U-238	0.62	0.001	0.03	1.8	0.00 - 0.50
5B-00071	20176	Ac-227	0.028 U	0.14	0.04	0.217	1.00 - 3.00
5B-00071	20176	Ac-228	1.48	0.084	0.05	2.4	1.00 - 3.00
5B-00071	20176	Am-241	0.0009 U	0.0025	0.0009	0.0454	1.00 - 3.00
5B-00071	20176	Bi-212	1.22	0.16	0.094	2.15	1.00 - 3.00
5B-00071	20176	Bi-214	0.912	0.028	0.033	1.59	1.00 - 3.00
5B-00071	20176	Cd-113m	6 U	38	12	3030	1.00 - 3.00
5B-00071	20176	Cm-243/244	0.0009 U	0.0025	0.0009	0.0443	1.00 - 3.00
5B-00071	20176	Cm-245/246	0.0019 U	0.0026	0.0013	0.0401	1.00 - 3.00
5B-00071	20176	Cm-247/248	-0.002 U	0.01	0.002	0.0306	1.00 - 3.00
5B-00071	20176	Co-60	-0.005 U	0.02	0.006	0.028	1.00 - 3.00
5B-00071	20176	Cs-134	-0.015 L U J	0.018	0.0056	0.0864	1.00 - 3.00
5B-00071	20176	Cs-137	0.0101	0.016	0.006	0.207	1.00 - 3.00
5B-00071	20176	Eu-152	0 U	0.04	0	0.0566	1.00 - 3.00
5B-00071	20176	Eu-154	-0.065 U	0.11	0.033	0.15	1.00 - 3.00
5B-00071	20176	Eu-155	0.077 SK	0.035	0.014	0.231	1.00 - 3.00
5B-00071	20176	Ho-166m	0.0035 U	0.026	0.0025	0.0432	1.00 - 3.00
5B-00071	20176	K-40	18.5	0.13	0.56	32.4	1.00 - 3.00
5B-00071	20176	Na-22	0.003 U	0.024	0.0072	0.037	1.00 - 3.00
5B-00071	20176	Nb-94	0.01 SK	0.015	0.0045	0.0214	1.00 - 3.00
5B-00071	20176	Np-236	-6E-04 U	0.028	0.0085	0.047	1.00 - 3.00
5B-00071	20176	Np-239	0.027 U	0.088	0.027	0.139	1.00 - 3.00
5B-00071	20176	Pa-231	-0.04 U	0.6	0.18	0.936	1.00 - 3.00
5B-00071	20176	Pb-212	1.87	0.028	0.076	2.69	1.00 - 3.00
5B-00071	20176	Pb-214	0.973	0.026	0.033	1.7	1.00 - 3.00
5B-00071	20176	Pu-236	-0.001 U	0.0083	0.0017	7.79	1.00 - 3.00
5B-00071	20176	Pu-238	0.0014 U	0.0057	0.0015	0.0415	1.00 - 3.00
5B-00071	20176	Pu-239/240	0.0016	0.0021	0.0011	0.0404	1.00 - 3.00
5B-00071	20176	Pu-244	0.0031	0.0021	0.0016	0.0313	1.00 - 3.00
5B-00071	20176	Sb-125	0.124 JSK	0.045	0.0089	0.354	1.00 - 3.00
5B-00071	20176	Sn-126	0.0047 U	0.016	0.0048	0.0237	1.00 - 3.00
5B-00071	20176	Sr-90	-0.009 U	0.033	0.0093	0.485	1.00 - 3.00
5B-00071	20176	Te-125m	0.0286 JSK	0.01	0.0021	0.0838	1.00 - 3.00
5B-00071	20176	Th-228	1.62	0.019	0.081	3.98	1.00 - 3.00
5B-00071	20176	Th-229	0.0154	0.0071	0.0042	0.145	1.00 - 3.00
5B-00071	20176	Th-230	1.02	0.013	0.055	2.2	1.00 - 3.00
5B-00071	20176	Th-232	1.5	0.009	0.076	3.1	1.00 - 3.00
5B-00071	20176	Th-234	0.4 R	0.16	0.052	3.19	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00071	20176	Tl-208	0.596	0.017	0.021	0.937	1.00 - 3.00
5B-00071	20176	Tm-171	-0.7 U	6.3	1.9	72.4	1.00 - 3.00
5B-00071	20176	U-233/234	0.915	0.012	0.05	2.02	1.00 - 3.00
5B-00071	20176	U-235/236	0.0522	0.01	0.009	0.151	1.00 - 3.00
5B-00071	20176	U-238	0.896	0.008	0.049	1.8	1.00 - 3.00
5B-00071	20177	Ac-227	0.032 U	0.15	0.058	0.217	0.00 - 0.50
5B-00071	20177	Ac-228	1.18	0.1	0.044	2.4	0.00 - 0.50
5B-00071	20177	Am-241	0.0029	0.0072	0.0022	0.0454	0.00 - 0.50
5B-00071	20177	Bi-212	1.06	0.14	0.084	2.15	0.00 - 0.50
5B-00071	20177	Bi-214	0.887	0.028	0.033	1.59	0.00 - 0.50
5B-00071	20177	Cd-113m	5 U	42	13	3030	0.00 - 0.50
5B-00071	20177	Cm-243/244	-0.004 U J	0.015	0.0036	0.0443	0.00 - 0.50
5B-00071	20177	Cm-245/246	0.0012 U J	0.0031	0.0012	0.0401	0.00 - 0.50
5B-00071	20177	Cm-247/248	0.0023 U J	0.0031	0.0016	0.0306	0.00 - 0.50
5B-00071	20177	Co-60	0.0073 U	0.02	0.006	0.028	0.00 - 0.50
5B-00071	20177	Cs-134	-0.004 U	0.018	0.0053	0.0864	0.00 - 0.50
5B-00071	20177	Cs-137	0.0106	0.017	0.0053	0.207	0.00 - 0.50
5B-00071	20177	Eu-152	0.003 U	0.04	0.012	0.0566	0.00 - 0.50
5B-00071	20177	Eu-154	0.0105 U	0.11	0.0072	0.15	0.00 - 0.50
5B-00071	20177	Eu-155	0.011 U	0.034	0.01	0.231	0.00 - 0.50
5B-00071	20177	Ho-166m	0.011 U	0.028	0.0098	0.0432	0.00 - 0.50
5B-00071	20177	K-40	20	0.15	0.61	32.4	0.00 - 0.50
5B-00071	20177	Na-22	-0.006 U	0.027	0.0082	0.037	0.00 - 0.50
5B-00071	20177	Nb-94	0.0054 U	0.015	0.0046	0.0214	0.00 - 0.50
5B-00071	20177	Np-236	-0.001 U	0.03	0.0091	0.047	0.00 - 0.50
5B-00071	20177	Np-239	0.002 U	0.092	0.028	0.139	0.00 - 0.50
5B-00071	20177	Pa-231	-0.04 U	0.58	0.17	0.936	0.00 - 0.50
5B-00071	20177	Pb-212	1.51	0.026	0.062	2.69	0.00 - 0.50
5B-00071	20177	Pb-214	0.989	0.027	0.033	1.7	0.00 - 0.50
5B-00071	20177	Pu-236	-9E-04 U	0.0056	0.0012	7.79	0.00 - 0.50
5B-00071	20177	Pu-238	-5E-04 U	0.0056	0.0013	0.0415	0.00 - 0.50
5B-00071	20177	Pu-239/240	0.0009 U	0.0013	0.0007	0.0404	0.00 - 0.50
5B-00071	20177	Pu-244	0.0005 U	0.0013	0.0005	0.0313	0.00 - 0.50
5B-00071	20177	Sb-125	0.143 RSK	0.042	0.012	0.354	0.00 - 0.50
5B-00071	20177	Sn-126	-2E-04 U	0.016	0.0046	0.0237	0.00 - 0.50
5B-00071	20177	Sr-90	0.125	0.056	0.02	0.485	0.00 - 0.50
5B-00071	20177	Te-125m	0.0331 RSK	0.0098	0.0028	0.0838	0.00 - 0.50
5B-00071	20177	Th-228	1.14	0.016	0.058	3.98	0.00 - 0.50
5B-00071	20177	Th-229	0.0075	0.0029	0.0029	0.145	0.00 - 0.50
5B-00071	20177	Th-230	0.835	0.009	0.045	2.2	0.00 - 0.50
5B-00071	20177	Th-232	1.1	0.009	0.056	3.1	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00071	20177	Th-234	0.578	0.16	0.054	3.19	0.00 - 0.50
5B-00071	20177	Tl-208	0.473	0.015	0.017	0.937	0.00 - 0.50
5B-00071	20177	Tm-171	1.6 U	4.6	1.4	72.4	0.00 - 0.50
5B-00071	20177	U-233/234	0.77	0.004	0.045	2.02	0.00 - 0.50
5B-00071	20177	U-235/236	0.0395	0.015	0.0089	0.151	0.00 - 0.50
5B-00071	20177	U-238	0.831	0.004	0.048	1.8	0.00 - 0.50
5B-00072	20178	Ac-227	0.026 U	0.17	0.051	0.217	1.00 - 5.00
5B-00072	20178	Ac-228	1.41	0.094	0.049	2.4	1.00 - 5.00
5B-00072	20178	Am-241	0.0032 U J	0.0044	0.0023	0.0454	1.00 - 5.00
5B-00072	20178	Bi-212	1.15	0.14	0.086	2.15	1.00 - 5.00
5B-00072	20178	Bi-214	1.24	0.029	0.043	1.59	1.00 - 5.00
5B-00072	20178	Cd-113m	-5 U	43	13	3030	1.00 - 5.00
5B-00072	20178	Cm-243/244	-0.003 U	0.015	0.0025	0.0443	1.00 - 5.00
5B-00072	20178	Cm-245/246	0.0026 U J	0.0095	0.0027	0.0401	1.00 - 5.00
5B-00072	20178	Cm-247/248	0 U	0.0034	0.0014	0.0306	1.00 - 5.00
5B-00072	20178	Co-60	-0.001 U	0.02	0.0059	0.028	1.00 - 5.00
5B-00072	20178	Cs-134	0.0157 U	0.063	0.0072	0.0864	1.00 - 5.00
5B-00072	20178	Cs-137	-0.006 U	0.019	0.0056	0.207	1.00 - 5.00
5B-00072	20178	Eu-152	-0.015 U	0.044	0.013	0.0566	1.00 - 5.00
5B-00072	20178	Eu-154	-0.032 U	0.12	0.036	0.15	1.00 - 5.00
5B-00072	20178	Eu-155	0.096 SK	0.037	0.016	0.231	1.00 - 5.00
5B-00072	20178	Ho-166m	0.01 U	0.024	0.0098	0.0432	1.00 - 5.00
5B-00072	20178	K-40	22.7	0.17	0.69	32.4	1.00 - 5.00
5B-00072	20178	Na-22	-3E-04 U	0.028	0.0084	0.037	1.00 - 5.00
5B-00072	20178	Nb-94	0.0044 U	0.016	0.0035	0.0214	1.00 - 5.00
5B-00072	20178	Np-236	-3E-04 U	0.033	0.0099	0.047	1.00 - 5.00
5B-00072	20178	Np-239	0.019 U	0.095	0.029	0.139	1.00 - 5.00
5B-00072	20178	Pa-231	0.05 U	0.5	0.15	0.936	1.00 - 5.00
5B-00072	20178	Pb-212	1.81	0.026	0.073	2.69	1.00 - 5.00
5B-00072	20178	Pb-214	1.37	0.03	0.046	1.7	1.00 - 5.00
5B-00072	20178	Pu-236	-0.001 U	0.0097	0.002	7.79	1.00 - 5.00
5B-00072	20178	Pu-238	-2E-04 U	0.011	0.0026	0.0415	1.00 - 5.00
5B-00072	20178	Pu-239/240	0.0004 U	0.0058	0.0012	0.0404	1.00 - 5.00
5B-00072	20178	Pu-244	0.0027	0.007	0.0022	0.0313	1.00 - 5.00
5B-00072	20178	Sb-125	0.032 JSK	0.036	0.014	0.354	1.00 - 5.00
5B-00072	20178	Sn-126	-1E-04 U	0.014	0.0041	0.0237	1.00 - 5.00
5B-00072	20178	Sr-90	0.002 U	0.035	0.01	0.485	1.00 - 5.00
5B-00072	20178	Te-125m	0.0073 JSK	0.0083	0.0032	0.0838	1.00 - 5.00
5B-00072	20178	Th-228	1.5	0.025	0.077	3.98	1.00 - 5.00
5B-00072	20178	Th-229	0.0034 U	0.012	0.0035	0.145	1.00 - 5.00
5B-00072	20178	Th-230	1.24	0.016	0.066	2.2	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00072	20178	Th-232	1.35	0.012	0.07	3.1	1.00 - 5.00
5B-00072	20178	Th-234	1.81 R	0.16	0.098	3.19	1.00 - 5.00
5B-00072	20178	Tl-208	0.579	0.018	0.021	0.937	1.00 - 5.00
5B-00072	20178	Tm-171	0.05 U	7.1	2.1	72.4	1.00 - 5.00
5B-00072	20178	U-233/234	1.06 J	0.015	0.061	2.02	1.00 - 5.00
5B-00072	20178	U-235/236	0.055 J	0.014	0.011	0.151	1.00 - 5.00
5B-00072	20178	U-238	1.1 J	0.004	0.062	1.8	1.00 - 5.00
5B-00072	20179	Ac-227	0.044 U	0.12	0.036	0.217	0.00 - 0.50
5B-00072	20179	Ac-228	1.2	0.072	0.046	2.4	0.00 - 0.50
5B-00072	20179	Am-241	0.0028	0.0068	0.0021	0.0454	0.00 - 0.50
5B-00072	20179	Bi-212	1.01	0.11	0.068	2.15	0.00 - 0.50
5B-00072	20179	Bi-214	0.87	0.022	0.033	1.59	0.00 - 0.50
5B-00072	20179	Cd-113m	1 U	35	11	3030	0.00 - 0.50
5B-00072	20179	Cm-243/244	-0.004 U J	0.013	0.0028	0.0443	0.00 - 0.50
5B-00072	20179	Cm-245/246	0.0052 J	0.0028	0.0023	0.0401	0.00 - 0.50
5B-00072	20179	Cm-247/248	0 U J	0.0074	0.0015	0.0306	0.00 - 0.50
5B-00072	20179	Co-60	0.0013 U	0.015	0.0028	0.028	0.00 - 0.50
5B-00072	20179	Cs-134	0.0104 U	0.037	0.0031	0.0864	0.00 - 0.50
5B-00072	20179	Cs-137	0.0385	0.01	0.0048	0.207	0.00 - 0.50
5B-00072	20179	Eu-152	-0.012 U	0.031	0.0095	0.0566	0.00 - 0.50
5B-00072	20179	Eu-154	-0.033 U	0.081	0.025	0.15	0.00 - 0.50
5B-00072	20179	Eu-155	0.079 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00072	20179	Ho-166m	0.0065 U	0.019	0.0055	0.0432	0.00 - 0.50
5B-00072	20179	K-40	21	0.15	0.7	32.4	0.00 - 0.50
5B-00072	20179	Na-22	0.0043 U	0.019	0.0057	0.037	0.00 - 0.50
5B-00072	20179	Nb-94	0.0015 U	0.011	0.0017	0.0214	0.00 - 0.50
5B-00072	20179	Np-236	0.0009 U	0.026	0.0079	0.047	0.00 - 0.50
5B-00072	20179	Np-239	-0.017 U	0.079	0.024	0.139	0.00 - 0.50
5B-00072	20179	Pa-231	-0.03 U	0.5	0.15	0.936	0.00 - 0.50
5B-00072	20179	Pb-212	1.63	0.021	0.086	2.69	0.00 - 0.50
5B-00072	20179	Pb-214	1	0.023	0.037	1.7	0.00 - 0.50
5B-00072	20179	Pu-236	-5E-04 U	0.0044	0.0009	7.79	0.00 - 0.50
5B-00072	20179	Pu-238	-0.001 U	0.0044	0.0008	0.0415	0.00 - 0.50
5B-00072	20179	Pu-239/240	0.0014	0.0035	0.0011	0.0404	0.00 - 0.50
5B-00072	20179	Pu-244	0 U	0.0013	0.0005	0.0313	0.00 - 0.50
5B-00072	20179	Sb-125	0.152 RSK	0.034	0.01	0.354	0.00 - 0.50
5B-00072	20179	Sn-126	0.0013 U	0.013	0.0037	0.0237	0.00 - 0.50
5B-00072	20179	Sr-90	-0.016 U	0.06	0.017	0.485	0.00 - 0.50
5B-00072	20179	Te-125m	0.0351 RSK	0.0078	0.0024	0.0838	0.00 - 0.50
5B-00072	20179	Th-228	1.29	0.01	0.064	3.98	0.00 - 0.50
5B-00072	20179	Th-229	0.0084	0.0026	0.0028	0.145	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00072	20179	Th-230	0.885	0.007	0.047	2.2	0.00 - 0.50
5B-00072	20179	Th-232	1.26	0.009	0.063	3.1	0.00 - 0.50
5B-00072	20179	Th-234	0.349	0.14	0.046	3.19	0.00 - 0.50
5B-00072	20179	Tl-208	0.484	0.014	0.019	0.937	0.00 - 0.50
5B-00072	20179	Tm-171	-2.3 U	5.3	1.6	72.4	0.00 - 0.50
5B-00072	20179	U-233/234	0.857	0.003	0.047	2.02	0.00 - 0.50
5B-00072	20179	U-235/236	0.0358	0.0036	0.0071	0.151	0.00 - 0.50
5B-00072	20179	U-238	0.828	0.01	0.046	1.8	0.00 - 0.50
5B-00073	20180	Ac-227	-0.058 U	0.12	0.037	0.217	1.00 - 5.00
5B-00073	20180	Ac-228	1.27	0.064	0.045	2.4	1.00 - 5.00
5B-00073	20180	Am-241	0.0016	0.0015	0.0009	0.0454	1.00 - 5.00
5B-00073	20180	Bi-212	1.12	0.11	0.077	2.15	1.00 - 5.00
5B-00073	20180	Bi-214	1.08	0.022	0.04	1.59	1.00 - 5.00
5B-00073	20180	Cd-113m	0.6 U	36	11	3030	1.00 - 5.00
5B-00073	20180	Cm-243/244	0 U	0.0014	0.0006	0.0443	1.00 - 5.00
5B-00073	20180	Cm-245/246	0.0012 U J	0.0031	0.0012	0.0401	1.00 - 5.00
5B-00073	20180	Cm-247/248	0.0023 U	0.0084	0.0023	0.0306	1.00 - 5.00
5B-00073	20180	Co-60	-8E-04 U	0.013	0.004	0.028	1.00 - 5.00
5B-00073	20180	Cs-134	0.0116 U	0.04	0.0028	0.0864	1.00 - 5.00
5B-00073	20180	Cs-137	-0.004 U	0.013	0.0039	0.207	1.00 - 5.00
5B-00073	20180	Eu-152	-0.008 U	0.032	0.0098	0.0566	1.00 - 5.00
5B-00073	20180	Eu-154	0.003 U	0.077	0.0088	0.15	1.00 - 5.00
5B-00073	20180	Eu-155	0.1 SK	0.032	0.014	0.231	1.00 - 5.00
5B-00073	20180	Ho-166m	0.0002 U	0.02	0.0002	0.0432	1.00 - 5.00
5B-00073	20180	K-40	22	0.16	0.73	32.4	1.00 - 5.00
5B-00073	20180	Na-22	0.0019 U	0.019	0.0056	0.037	1.00 - 5.00
5B-00073	20180	Nb-94	0.0052 SK	0.01	0.0032	0.0214	1.00 - 5.00
5B-00073	20180	Np-236	0.0001 U	0.023	0.0068	0.047	1.00 - 5.00
5B-00073	20180	Np-239	-0.014 U	0.077	0.023	0.139	1.00 - 5.00
5B-00073	20180	Pa-231	-0.05 U	0.5	0.15	0.936	1.00 - 5.00
5B-00073	20180	Pb-212	1.66	0.021	0.087	2.69	1.00 - 5.00
5B-00073	20180	Pb-214	1.2	0.022	0.044	1.7	1.00 - 5.00
5B-00073	20180	Pu-236	0.0029 U	0.016	0.004	7.79	1.00 - 5.00
5B-00073	20180	Pu-238	0.0044	0.013	0.0037	0.0415	1.00 - 5.00
5B-00073	20180	Pu-239/240	-0.002 U	0.013	0.0015	0.0404	1.00 - 5.00
5B-00073	20180	Pu-244	0.0005 U	0.013	0.0024	0.0313	1.00 - 5.00
5B-00073	20180	Sb-125	0.162 JSK	0.032	0.013	0.354	1.00 - 5.00
5B-00073	20180	Sn-126	0 U	0.012	0.0033	0.0237	1.00 - 5.00
5B-00073	20180	Sr-90	-0.019 U	0.035	0.0099	0.485	1.00 - 5.00
5B-00073	20180	Te-125m	0.0374 JSK	0.0073	0.0031	0.0838	1.00 - 5.00
5B-00073	20180	Th-228	1.42	0.036	0.082	3.98	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00073	20180	Th-229	-0.001 U	0.017	0.0043	0.145	1.00 - 5.00
5B-00073	20180	Th-230	1.3	0.024	0.076	2.2	1.00 - 5.00
5B-00073	20180	Th-232	1.44	0.016	0.082	3.1	1.00 - 5.00
5B-00073	20180	Th-234	1.7	0.14	0.092	3.19	1.00 - 5.00
5B-00073	20180	Tl-208	0.498	0.016	0.02	0.937	1.00 - 5.00
5B-00073	20180	Tm-171	0.07 U	5.6	1.7	72.4	1.00 - 5.00
5B-00073	20180	U-233/234	0.925	0.015	0.051	2.02	1.00 - 5.00
5B-00073	20180	U-235/236	0.0516	0.0041	0.0091	0.151	1.00 - 5.00
5B-00073	20180	U-238	0.914	0.013	0.051	1.8	1.00 - 5.00
5B-00073	20181	Ac-227	-0.005 U	0.11	0.034	0.217	0.00 - 0.50
5B-00073	20181	Ac-228	1.18	0.073	0.043	2.4	0.00 - 0.50
5B-00073	20181	Am-241	0.0019 U	0.0071	0.002	0.0454	0.00 - 0.50
5B-00073	20181	Bi-212	0.949	0.12	0.077	2.15	0.00 - 0.50
5B-00073	20181	Bi-214	0.912	0.023	0.035	1.59	0.00 - 0.50
5B-00073	20181	Cd-113m	-10 U	34	10	3030	0.00 - 0.50
5B-00073	20181	Cm-243/244	-0.004 U J	0.014	0.0032	0.0443	0.00 - 0.50
5B-00073	20181	Cm-245/246	0.0014 U J	0.01	0.0026	0.0401	0.00 - 0.50
5B-00073	20181	Cm-247/248	0.0014 U J	0.0038	0.0014	0.0306	0.00 - 0.50
5B-00073	20181	Co-60	0.0004 U	0.014	0.0035	0.028	0.00 - 0.50
5B-00073	20181	Cs-134	0.0136 U	0.039	0.0035	0.0864	0.00 - 0.50
5B-00073	20181	Cs-137	0.0186	0.01	0.0047	0.207	0.00 - 0.50
5B-00073	20181	Eu-152	-0.01 U	0.032	0.0097	0.0566	0.00 - 0.50
5B-00073	20181	Eu-154	-0.025 U	0.079	0.024	0.15	0.00 - 0.50
5B-00073	20181	Eu-155	0.072 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00073	20181	Ho-166m	0.0339 SK	0.016	0.004	0.0432	0.00 - 0.50
5B-00073	20181	K-40	20.9	0.14	0.7	32.4	0.00 - 0.50
5B-00073	20181	Na-22	0 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00073	20181	Nb-94	0.0025 U	0.011	0.0025	0.0214	0.00 - 0.50
5B-00073	20181	Np-236	-2E-04 U	0.028	0.0083	0.047	0.00 - 0.50
5B-00073	20181	Np-239	0.019 U	0.072	0.022	0.139	0.00 - 0.50
5B-00073	20181	Pa-231	0.004 U	0.48	0.14	0.936	0.00 - 0.50
5B-00073	20181	Pb-212	1.55	0.022	0.082	2.69	0.00 - 0.50
5B-00073	20181	Pb-214	1.02	0.024	0.038	1.7	0.00 - 0.50
5B-00073	20181	Pu-236	-0.002 U	0.0066	0.0013	7.79	0.00 - 0.50
5B-00073	20181	Pu-238	0.0015	0.0037	0.0011	0.0415	0.00 - 0.50
5B-00073	20181	Pu-239/240	0.001 U	0.0014	0.0007	0.0404	0.00 - 0.50
5B-00073	20181	Pu-244	0.001 U	0.0013	0.0007	0.0313	0.00 - 0.50
5B-00073	20181	Sb-125	0.128 RSK	0.034	0.0093	0.354	0.00 - 0.50
5B-00073	20181	Sn-126	-0.003 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00073	20181	Sr-90	0.004 U	0.069	0.02	0.485	0.00 - 0.50
5B-00073	20181	Te-125m	0.0296 RSK	0.008	0.0021	0.0838	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00073	20181	Th-228	1.31	0.016	0.068	3.98	0.00 - 0.50
5B-00073	20181	Th-229	0.0032 U	0.013	0.0036	0.145	0.00 - 0.50
5B-00073	20181	Th-230	0.972	0.009	0.053	2.2	0.00 - 0.50
5B-00073	20181	Th-232	1.18	0.01	0.062	3.1	0.00 - 0.50
5B-00073	20181	Th-234	1.46	0.13	0.084	3.19	0.00 - 0.50
5B-00073	20181	Tl-208	0.474	0.015	0.019	0.937	0.00 - 0.50
5B-00073	20181	Tm-171	-3 U	5	1.5	72.4	0.00 - 0.50
5B-00073	20181	U-233/234	1.07	0.003	0.057	2.02	0.00 - 0.50
5B-00073	20181	U-235/236	0.0578	0.0038	0.0094	0.151	0.00 - 0.50
5B-00073	20181	U-238	0.985	0.011	0.053	1.8	0.00 - 0.50
5B-00074	20182	Ac-227	0.024 U	0.12	0.019	0.217	1.00 - 5.00
5B-00074	20182	Ac-228	1.24	0.064	0.043	2.4	1.00 - 5.00
5B-00074	20182	Am-241	0.0017	0.0016	0.001	0.0454	1.00 - 5.00
5B-00074	20182	Bi-212	1.04	0.11	0.076	2.15	1.00 - 5.00
5B-00074	20182	Bi-214	0.992	0.021	0.037	1.59	1.00 - 5.00
5B-00074	20182	Cd-113m	-1.5 U	32	9.7	3030	1.00 - 5.00
5B-00074	20182	Cm-243/244	0.0011 U	0.0015	0.0008	0.0443	1.00 - 5.00
5B-00074	20182	Cm-245/246	0.0044 J	0.003	0.0022	0.0401	1.00 - 5.00
5B-00074	20182	Cm-247/248	0 U	0.008	0.0016	0.0306	1.00 - 5.00
5B-00074	20182	Co-60	-0.003 U	0.015	0.0045	0.028	1.00 - 5.00
5B-00074	20182	Cs-134	0.0155 U	0.044	0.0047	0.0864	1.00 - 5.00
5B-00074	20182	Cs-137	0.0004 U	0.013	0.0039	0.207	1.00 - 5.00
5B-00074	20182	Eu-152	0.0042 U	0.031	0.0027	0.0566	1.00 - 5.00
5B-00074	20182	Eu-154	0.003 U	0.074	0.011	0.15	1.00 - 5.00
5B-00074	20182	Eu-155	0.073 SK	0.03	0.012	0.231	1.00 - 5.00
5B-00074	20182	Ho-166m	-0.003 U	0.019	0.0057	0.0432	1.00 - 5.00
5B-00074	20182	K-40	21.4	0.11	0.71	32.4	1.00 - 5.00
5B-00074	20182	Na-22	0.0027 U	0.019	0.0058	0.037	1.00 - 5.00
5B-00074	20182	Nb-94	0.005 U	0.011	0.0032	0.0214	1.00 - 5.00
5B-00074	20182	Np-236	-0.004 U	0.027	0.0081	0.047	1.00 - 5.00
5B-00074	20182	Np-239	-0.014 U	0.076	0.023	0.139	1.00 - 5.00
5B-00074	20182	Pa-231	0.005 U	0.5	0.011	0.936	1.00 - 5.00
5B-00074	20182	Pb-212	1.54	0.024	0.081	2.69	1.00 - 5.00
5B-00074	20182	Pb-214	1.1	0.022	0.041	1.7	1.00 - 5.00
5B-00074	20182	Pu-236	-0.002 U	0.0084	0.0012	7.79	1.00 - 5.00
5B-00074	20182	Pu-238	-5E-04 U	0.011	0.0025	0.0415	1.00 - 5.00
5B-00074	20182	Pu-239/240	-0.001 U	0.0073	0.001	0.0404	1.00 - 5.00
5B-00074	20182	Pu-244	0.0045	0.0024	0.002	0.0313	1.00 - 5.00
5B-00074	20182	Sb-125	0.113 JSK	0.033	0.0078	0.354	1.00 - 5.00
5B-00074	20182	Sn-126	0.0101	0.0092	0.0042	0.0237	1.00 - 5.00
5B-00074	20182	Sr-90	-0.011 U	0.034	0.0097	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00074	20182	Te-125m	0.026 JSK	0.0075	0.0018	0.0838	1.00 - 5.00
5B-00074	20182	Th-228	1.25	0.03	0.068	3.98	1.00 - 5.00
5B-00074	20182	Th-229	0.0091	0.016	0.0054	0.145	1.00 - 5.00
5B-00074	20182	Th-230	1.19	0.011	0.065	2.2	1.00 - 5.00
5B-00074	20182	Th-232	1.24	0.009	0.067	3.1	1.00 - 5.00
5B-00074	20182	Th-234	1.69	0.13	0.089	3.19	1.00 - 5.00
5B-00074	20182	Tl-208	0.494	0.015	0.02	0.937	1.00 - 5.00
5B-00074	20182	Tm-171	-8.1 R U	4.6	1.5	72.4	1.00 - 5.00
5B-00074	20182	U-233/234	0.822	0.012	0.047	2.02	1.00 - 5.00
5B-00074	20182	U-235/236	0.0462	0.0043	0.0088	0.151	1.00 - 5.00
5B-00074	20182	U-238	0.842	0.009	0.048	1.8	1.00 - 5.00
5B-00074	20183	Ac-227	0.067 U	0.15	0.018	0.217	0.00 - 0.50
5B-00074	20183	Ac-228	1.25	0.099	0.046	2.4	0.00 - 0.50
5B-00074	20183	Am-241	0.0019 U	0.007	0.002	0.0454	0.00 - 0.50
5B-00074	20183	Bi-212	1.07	0.13	0.074	2.15	0.00 - 0.50
5B-00074	20183	Bi-214	0.929	0.024	0.032	1.59	0.00 - 0.50
5B-00074	20183	Cd-113m	-9 U	43	13	3030	0.00 - 0.50
5B-00074	20183	Cm-243/244	0.0037 J	0.0069	0.0023	0.0443	0.00 - 0.50
5B-00074	20183	Cm-245/246	0.0012 U J	0.0087	0.0021	0.0401	0.00 - 0.50
5B-00074	20183	Cm-247/248	-0.002 U J	0.011	0.0018	0.0306	0.00 - 0.50
5B-00074	20183	Co-60	-4E-04 U	0.021	0.0004	0.028	0.00 - 0.50
5B-00074	20183	Cs-134	0.02 U	0.057	0.0061	0.0864	0.00 - 0.50
5B-00074	20183	Cs-137	0.0328	0.011	0.0051	0.207	0.00 - 0.50
5B-00074	20183	Eu-152	0.017 U	0.043	0.016	0.0566	0.00 - 0.50
5B-00074	20183	Eu-154	-0.033 U	0.11	0.033	0.15	0.00 - 0.50
5B-00074	20183	Eu-155	0.105 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00074	20183	Ho-166m	0.0098 U	0.026	0.0094	0.0432	0.00 - 0.50
5B-00074	20183	K-40	20.1	0.15	0.61	32.4	0.00 - 0.50
5B-00074	20183	Na-22	-0.002 U	0.026	0.0078	0.037	0.00 - 0.50
5B-00074	20183	Nb-94	0.005 U	0.015	0.0046	0.0214	0.00 - 0.50
5B-00074	20183	Np-236	0.0014 U	0.026	0.0078	0.047	0.00 - 0.50
5B-00074	20183	Np-239	0.0002 U	0.088	0.026	0.139	0.00 - 0.50
5B-00074	20183	Pa-231	0.04 U	0.62	0.19	0.936	0.00 - 0.50
5B-00074	20183	Pb-212	1.63	0.023	0.066	2.69	0.00 - 0.50
5B-00074	20183	Pb-214	1.01	0.028	0.034	1.7	0.00 - 0.50
5B-00074	20183	Pu-236	0.0023	0.0034	0.0012	7.79	0.00 - 0.50
5B-00074	20183	Pu-238	-5E-04 U	0.0055	0.0013	0.0415	0.00 - 0.50
5B-00074	20183	Pu-239/240	0.0009 U	0.0034	0.0009	0.0404	0.00 - 0.50
5B-00074	20183	Pu-244	0.0018	0.0012	0.0009	0.0313	0.00 - 0.50
5B-00074	20183	Sb-125	0.152 RSK	0.043	0.012	0.354	0.00 - 0.50
5B-00074	20183	Sn-126	-0.006 U	0.018	0.0053	0.0237	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00074	20183	Sr-90	0.011 U	0.066	0.02	0.485	0.00 - 0.50
5B-00074	20183	Te-125m	0.0352 RSK	0.01	0.0028	0.0838	0.00 - 0.50
5B-00074	20183	Th-228	1.33	0.019	0.067	3.98	0.00 - 0.50
5B-00074	20183	Th-229	0.0048	0.0089	0.003	0.145	0.00 - 0.50
5B-00074	20183	Th-230	0.993	0.003	0.053	2.2	0.00 - 0.50
5B-00074	20183	Th-232	1.25	0.003	0.064	3.1	0.00 - 0.50
5B-00074	20183	Th-234	1.66	0.15	0.091	3.19	0.00 - 0.50
5B-00074	20183	Tl-208	0.505	0.018	0.019	0.937	0.00 - 0.50
5B-00074	20183	Tm-171	0.9 U	5	1.5	72.4	0.00 - 0.50
5B-00074	20183	U-233/234	1.02	0.011	0.058	2.02	0.00 - 0.50
5B-00074	20183	U-235/236	0.057	0.013	0.011	0.151	0.00 - 0.50
5B-00074	20183	U-238	0.924	0.017	0.053	1.8	0.00 - 0.50
5B-00075	20184	Ac-227	0.058 U	0.12	0.038	0.217	1.00 - 2.50
5B-00075	20184	Ac-228	1.26	0.062	0.044	2.4	1.00 - 2.50
5B-00075	20184	Am-241	0.0023	0.002	0.0013	0.0454	1.00 - 2.50
5B-00075	20184	Bi-212	1.1	0.11	0.075	2.15	1.00 - 2.50
5B-00075	20184	Bi-214	1.22	0.021	0.044	1.59	1.00 - 2.50
5B-00075	20184	Cd-113m	5 U	36	11	3030	1.00 - 2.50
5B-00075	20184	Cm-243/244	0 U	0.002	0.0008	0.0443	1.00 - 2.50
5B-00075	20184	Cm-245/246	0.0019 U	0.007	0.002	0.0401	1.00 - 2.50
5B-00075	20184	Cm-247/248	0.0019 U	0.0025	0.0013	0.0306	1.00 - 2.50
5B-00075	20184	Co-60	0.0017 U	0.011	0.003	0.028	1.00 - 2.50
5B-00075	20184	Cs-134	0.0117 U	0.042	0.0038	0.0864	1.00 - 2.50
5B-00075	20184	Cs-137	0.0025 JU	0.011	0.0032	0.207	1.00 - 2.50
5B-00075	20184	Eu-152	0.0032 U	0.032	0.0027	0.0566	1.00 - 2.50
5B-00075	20184	Eu-154	0.01 U	0.079	0.017	0.15	1.00 - 2.50
5B-00075	20184	Eu-155	0.077 SK	0.033	0.014	0.231	1.00 - 2.50
5B-00075	20184	Ho-166m	0.0099 SK	0.019	0.0057	0.0432	1.00 - 2.50
5B-00075	20184	K-40	22.3	0.16	0.74	32.4	1.00 - 2.50
5B-00075	20184	Na-22	0.008	0.015	0.0045	0.037	1.00 - 2.50
5B-00075	20184	Nb-94	0.0067 SK	0.011	0.0033	0.0214	1.00 - 2.50
5B-00075	20184	Np-236	-0.006 U	0.027	0.0083	0.047	1.00 - 2.50
5B-00075	20184	Np-239	0.02 U	0.08	0.024	0.139	1.00 - 2.50
5B-00075	20184	Pa-231	-0.03 U	0.5	0.15	0.936	1.00 - 2.50
5B-00075	20184	Pb-212	1.66	0.022	0.087	2.69	1.00 - 2.50
5B-00075	20184	Pb-214	1.39	0.023	0.051	1.7	1.00 - 2.50
5B-00075	20184	Pu-236	0 U	0.0027	0.0009	7.79	1.00 - 2.50
5B-00075	20184	Pu-238	0 U	0.0027	0.0009	0.0415	1.00 - 2.50
5B-00075	20184	Pu-239/240	-6E-04 U	0.0058	0.0007	0.0404	1.00 - 2.50
5B-00075	20184	Pu-244	0.002	0.0026	0.0014	0.0313	1.00 - 2.50
5B-00075	20184	Sb-125	0.158 SK	0.031	0.011	0.354	1.00 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00075	20184	Sn-126	-4E-04 U	0.012	0.0036	0.0237	1.00 - 2.50
5B-00075	20184	Sr-90	0.008 U	0.035	0.01	0.485	1.00 - 2.50
5B-00075	20184	Te-125m	0.0365 SK	0.0072	0.0025	0.0838	1.00 - 2.50
5B-00075	20184	Th-228	1.38	0.021	0.07	3.98	1.00 - 2.50
5B-00075	20184	Th-229	0.0027	0.0067	0.0021	0.145	1.00 - 2.50
5B-00075	20184	Th-230	1.25	0.014	0.064	2.2	1.00 - 2.50
5B-00075	20184	Th-232	1.38	0.01	0.07	3.1	1.00 - 2.50
5B-00075	20184	Th-234	1.79 R	0.14	0.095	3.19	1.00 - 2.50
5B-00075	20184	Tl-208	0.505	0.015	0.02	0.937	1.00 - 2.50
5B-00075	20184	Tm-171	-5.4 R U J	4.8	1.5	72.4	1.00 - 2.50
5B-00075	20184	U-233/234	0.779	0.002	0.041	2.02	1.00 - 2.50
5B-00075	20184	U-235/236	0.039	0.0074	0.0066	0.151	1.00 - 2.50
5B-00075	20184	U-238	0.822	0.007	0.043	1.8	1.00 - 2.50
5B-00075	20185	Ac-227	0.024 U	0.11	0.052	0.217	0.00 - 0.50
5B-00075	20185	Ac-228	1.24	0.099	0.045	2.4	0.00 - 0.50
5B-00075	20185	Am-241	0.0063	0.0084	0.0031	0.0454	0.00 - 0.50
5B-00075	20185	Bi-212	1.07	0.16	0.094	2.15	0.00 - 0.50
5B-00075	20185	Bi-214	0.859	0.028	0.032	1.59	0.00 - 0.50
5B-00075	20185	Cd-113m	-5 U	43	13	3030	0.00 - 0.50
5B-00075	20185	Cm-243/244	0 U J	0.0024	0.001	0.0443	0.00 - 0.50
5B-00075	20185	Cm-245/246	0.0041 J	0.0037	0.0024	0.0401	0.00 - 0.50
5B-00075	20185	Cm-247/248	0.0013 U J	0.0036	0.0013	0.0306	0.00 - 0.50
5B-00075	20185	Co-60	0.0021 U	0.022	0.0044	0.028	0.00 - 0.50
5B-00075	20185	Cs-134	-0.018 L U	0.019	0.0059	0.0864	0.00 - 0.50
5B-00075	20185	Cs-137	0.0182	0.019	0.0069	0.207	0.00 - 0.50
5B-00075	20185	Eu-152	0.0163 U	0.042	0.0096	0.0566	0.00 - 0.50
5B-00075	20185	Eu-154	0.014 U	0.12	0.02	0.15	0.00 - 0.50
5B-00075	20185	Eu-155	0.062 SK	0.04	0.013	0.231	0.00 - 0.50
5B-00075	20185	Ho-166m	0.0013 U	0.027	0.0036	0.0432	0.00 - 0.50
5B-00075	20185	K-40	20.4	0.14	0.62	32.4	0.00 - 0.50
5B-00075	20185	Na-22	-0.008 U	0.024	0.0071	0.037	0.00 - 0.50
5B-00075	20185	Nb-94	0.0001 U	0.015	0.0043	0.0214	0.00 - 0.50
5B-00075	20185	Np-236	0.0041 U	0.025	0.0074	0.047	0.00 - 0.50
5B-00075	20185	Np-239	0.017 U	0.092	0.028	0.139	0.00 - 0.50
5B-00075	20185	Pa-231	0.12 U	0.62	0.19	0.936	0.00 - 0.50
5B-00075	20185	Pb-212	1.59	0.025	0.065	2.69	0.00 - 0.50
5B-00075	20185	Pb-214	0.949	0.029	0.033	1.7	0.00 - 0.50
5B-00075	20185	Pu-236	-0.003 U	0.0075	0.0016	7.79	0.00 - 0.50
5B-00075	20185	Pu-238	0.0009 U	0.0062	0.0017	0.0415	0.00 - 0.50
5B-00075	20185	Pu-239/240	0.0005 U	0.0035	0.0009	0.0404	0.00 - 0.50
5B-00075	20185	Pu-244	0.0009 U	0.0013	0.0007	0.0313	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00075	20185	Sb-125	0.013 U R	0.046	0.017	0.354	0.00 - 0.50
5B-00075	20185	Sn-126	0.0001 U	0.016	0.0049	0.0237	0.00 - 0.50
5B-00075	20185	Sr-90	0.031	0.054	0.016	0.485	0.00 - 0.50
5B-00075	20185	Te-125m	0.0029 U R	0.011	0.004	0.0838	0.00 - 0.50
5B-00075	20185	Th-228	1.29	0.012	0.064	3.98	0.00 - 0.50
5B-00075	20185	Th-229	0.0053	0.008	0.0029	0.145	0.00 - 0.50
5B-00075	20185	Th-230	1.05	0.007	0.054	2.2	0.00 - 0.50
5B-00075	20185	Th-232	1.23	0.002	0.061	3.1	0.00 - 0.50
5B-00075	20185	Th-234	0.672	0.16	0.057	3.19	0.00 - 0.50
5B-00075	20185	Tl-208	0.496	0.019	0.019	0.937	0.00 - 0.50
5B-00075	20185	Tm-171	-0.004 U	6.1	1.8	72.4	0.00 - 0.50
5B-00075	20185	U-233/234	0.942	0.003	0.052	2.02	0.00 - 0.50
5B-00075	20185	U-235/236	0.0496	0.011	0.0092	0.151	0.00 - 0.50
5B-00075	20185	U-238	0.969	0.003	0.053	1.8	0.00 - 0.50
5B-00076	20186	Ac-227	0.043 U J	0.16	0.04	0.217	1.00 - 2.00
5B-00076	20186	Ac-228	1.26	0.087	0.046	2.4	1.00 - 2.00
5B-00076	20186	Am-241	0 U	0.0076	0.0016	0.0454	1.00 - 2.00
5B-00076	20186	Bi-212	1.11	0.16	0.096	2.15	1.00 - 2.00
5B-00076	20186	Bi-214	1.35	0.028	0.045	1.59	1.00 - 2.00
5B-00076	20186	Cd-113m	4 U	45	13	3030	1.00 - 2.00
5B-00076	20186	Cm-243/244	0 U	0.012	0.0031	0.0443	1.00 - 2.00
5B-00076	20186	Cm-245/246	0.0046	0.0057	0.0022	0.0401	1.00 - 2.00
5B-00076	20186	Cm-247/248	0 U	0.002	0.0008	0.0306	1.00 - 2.00
5B-00076	20186	Co-60	-0.003 U	0.02	0.0061	0.028	1.00 - 2.00
5B-00076	20186	Cs-134	0.0137 U	0.062	0.0068	0.0864	1.00 - 2.00
5B-00076	20186	Cs-137	-0.012 JU	0.019	0.0057	0.207	1.00 - 2.00
5B-00076	20186	Eu-152	0.022 J	0.041	0.011	0.0566	1.00 - 2.00
5B-00076	20186	Eu-154	0.044 U	0.11	0.025	0.15	1.00 - 2.00
5B-00076	20186	Eu-155	0.097 SK	0.035	0.014	0.231	1.00 - 2.00
5B-00076	20186	Ho-166m	0.0004 U	0.027	0.0007	0.0432	1.00 - 2.00
5B-00076	20186	K-40	21.5	0.15	0.65	32.4	1.00 - 2.00
5B-00076	20186	Na-22	0.0032 U	0.025	0.0075	0.037	1.00 - 2.00
5B-00076	20186	Nb-94	0.0086 SK	0.015	0.0047	0.0214	1.00 - 2.00
5B-00076	20186	Np-236	0.0003 U	0.031	0.0093	0.047	1.00 - 2.00
5B-00076	20186	Np-239	0.025 U	0.091	0.028	0.139	1.00 - 2.00
5B-00076	20186	Pa-231	0.05 U	0.63	0.19	0.936	1.00 - 2.00
5B-00076	20186	Pb-212	1.61	0.028	0.066	2.69	1.00 - 2.00
5B-00076	20186	Pb-214	1.48	0.028	0.048	1.7	1.00 - 2.00
5B-00076	20186	Pu-236	0.0017	0.0022	0.0012	7.79	1.00 - 2.00
5B-00076	20186	Pu-238	0.0003 U	0.0049	0.001	0.0415	1.00 - 2.00
5B-00076	20186	Pu-239/240	-5E-04 U	0.0049	0.0006	0.0404	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00076	20186	Pu-244	0.0016 U	0.0022	0.0012	0.0313	1.00 - 2.00
5B-00076	20186	Sb-125	0.117 SK	0.047	0.0096	0.354	1.00 - 2.00
5B-00076	20186	Sn-126	0.0034 U	0.017	0.0052	0.0237	1.00 - 2.00
5B-00076	20186	Sr-90	0.016 U	0.037	0.011	0.485	1.00 - 2.00
5B-00076	20186	Te-125m	0.0271 SK	0.011	0.0022	0.0838	1.00 - 2.00
5B-00076	20186	Th-228	1.32	0.017	0.066	3.98	1.00 - 2.00
5B-00076	20186	Th-229	-0.003 U	0.021	0.0052	0.145	1.00 - 2.00
5B-00076	20186	Th-230	1.46	0.009	0.072	2.2	1.00 - 2.00
5B-00076	20186	Th-232	1.39	0.007	0.068	3.1	1.00 - 2.00
5B-00076	20186	Th-234	1.82 R	0.16	0.097	3.19	1.00 - 2.00
5B-00076	20186	Tl-208	0.518	0.02	0.02	0.937	1.00 - 2.00
5B-00076	20186	Tm-171	-3.7 L U J	5.7	1.7	72.4	1.00 - 2.00
5B-00076	20186	U-233/234	0.952	0.007	0.049	2.02	1.00 - 2.00
5B-00076	20186	U-235/236	0.054	0.0081	0.0082	0.151	1.00 - 2.00
5B-00076	20186	U-238	1.01	0.01	0.052	1.8	1.00 - 2.00
5B-00076	20187	Ac-227	0.065	0.1	0.014	0.217	0.00 - 0.50
5B-00076	20187	Ac-228	1.23	0.062	0.043	2.4	0.00 - 0.50
5B-00076	20187	Am-241	0 U	0.0082	0.002	0.0454	0.00 - 0.50
5B-00076	20187	Bi-212	1.06	0.11	0.075	2.15	0.00 - 0.50
5B-00076	20187	Bi-214	0.831	0.019	0.031	1.59	0.00 - 0.50
5B-00076	20187	Cd-113m	2 U	34	10	3030	0.00 - 0.50
5B-00076	20187	Cm-243/244	-0.004 U J	0.016	0.0042	0.0443	0.00 - 0.50
5B-00076	20187	Cm-245/246	0.0013 U J	0.0034	0.0013	0.0401	0.00 - 0.50
5B-00076	20187	Cm-247/248	0 U J	0.0034	0.0014	0.0306	0.00 - 0.50
5B-00076	20187	Co-60	0.0022 U	0.014	0.003	0.028	0.00 - 0.50
5B-00076	20187	Cs-134	0.012 U	0.036	0.0039	0.0864	0.00 - 0.50
5B-00076	20187	Cs-137	-0.006 U	0.013	0.0038	0.207	0.00 - 0.50
5B-00076	20187	Eu-152	-0.018 U	0.031	0.0093	0.0566	0.00 - 0.50
5B-00076	20187	Eu-154	-0.034 U	0.08	0.024	0.15	0.00 - 0.50
5B-00076	20187	Eu-155	0.099 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00076	20187	Ho-166m	0.0041 U	0.019	0.0017	0.0432	0.00 - 0.50
5B-00076	20187	K-40	21.3	0.15	0.71	32.4	0.00 - 0.50
5B-00076	20187	Na-22	-6E-04 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00076	20187	Nb-94	0.0016 U	0.011	0.0017	0.0214	0.00 - 0.50
5B-00076	20187	Np-236	0.0071 U	0.022	0.0066	0.047	0.00 - 0.50
5B-00076	20187	Np-239	0.0008 U	0.077	0.023	0.139	0.00 - 0.50
5B-00076	20187	Pa-231	-0.06 U	0.49	0.15	0.936	0.00 - 0.50
5B-00076	20187	Pb-212	1.59	0.02	0.084	2.69	0.00 - 0.50
5B-00076	20187	Pb-214	0.93	0.021	0.035	1.7	0.00 - 0.50
5B-00076	20187	Pu-236	-0.002 U	0.0071	0.0016	7.79	0.00 - 0.50
5B-00076	20187	Pu-238	0.0009 U	0.0035	0.001	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00076	20187	Pu-239/240	0.0005 U	0.0013	0.0005	0.0404	0.00 - 0.50
5B-00076	20187	Pu-244	0.0024	0.0013	0.0011	0.0313	0.00 - 0.50
5B-00076	20187	Sb-125	0.145 RSK	0.032	0.0099	0.354	0.00 - 0.50
5B-00076	20187	Sn-126	0.0008 U	0.008	0.0024	0.0237	0.00 - 0.50
5B-00076	20187	Sr-90	-0.039 L U	0.07	0.019	0.485	0.00 - 0.50
5B-00076	20187	Te-125m	0.0334 RSK	0.0074	0.0023	0.0838	0.00 - 0.50
5B-00076	20187	Th-228	1.36	0.014	0.069	3.98	0.00 - 0.50
5B-00076	20187	Th-229	-0.001 U	0.012	0.0026	0.145	0.00 - 0.50
5B-00076	20187	Th-230	0.976	0.011	0.052	2.2	0.00 - 0.50
5B-00076	20187	Th-232	1.33	0.003	0.067	3.1	0.00 - 0.50
5B-00076	20187	Th-234	1.47	0.13	0.083	3.19	0.00 - 0.50
5B-00076	20187	Tl-208	0.475	0.015	0.019	0.937	0.00 - 0.50
5B-00076	20187	Tm-171	-5.8 R U	4.5	1.4	72.4	0.00 - 0.50
5B-00076	20187	U-233/234	0.942	0.003	0.052	2.02	0.00 - 0.50
5B-00076	20187	U-235/236	0.0432	0.0042	0.0084	0.151	0.00 - 0.50
5B-00076	20187	U-238	0.884	0.003	0.05	1.8	0.00 - 0.50
5B-00077	20189	Ac-227	0.045 U	0.12	0.014	0.217	0.00 - 0.50
5B-00077	20189	Ac-228	1.28	0.069	0.045	2.4	0.00 - 0.50
5B-00077	20189	Am-241	-0.001 U	0.0089	0.0021	0.0454	0.00 - 0.50
5B-00077	20189	Bi-212	1.11	0.1	0.07	2.15	0.00 - 0.50
5B-00077	20189	Bi-214	0.838	0.021	0.032	1.59	0.00 - 0.50
5B-00077	20189	Cd-113m	4 U	35	10	3030	0.00 - 0.50
5B-00077	20189	Cm-243/244	-0.001 U J	0.011	0.0027	0.0443	0.00 - 0.50
5B-00077	20189	Cm-245/246	0 U J	0.0028	0.0012	0.0401	0.00 - 0.50
5B-00077	20189	Cm-247/248	0 U J	0.0028	0.0012	0.0306	0.00 - 0.50
5B-00077	20189	Co-60	0.0057 U	0.014	0.0036	0.028	0.00 - 0.50
5B-00077	20189	Cs-134	0.0135 U	0.037	0.003	0.0864	0.00 - 0.50
5B-00077	20189	Cs-137	-1E-04 U	0.013	0.0038	0.207	0.00 - 0.50
5B-00077	20189	Eu-152	-0.005 U	0.031	0.0094	0.0566	0.00 - 0.50
5B-00077	20189	Eu-154	-0.016 U	0.077	0.023	0.15	0.00 - 0.50
5B-00077	20189	Eu-155	0.098 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00077	20189	Ho-166m	0.0084 SK	0.014	0.0056	0.0432	0.00 - 0.50
5B-00077	20189	K-40	20.1	0.14	0.67	32.4	0.00 - 0.50
5B-00077	20189	Na-22	-2E-04 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00077	20189	Nb-94	0.005 U	0.011	0.0033	0.0214	0.00 - 0.50
5B-00077	20189	Np-236	-0.008 U	0.027	0.0083	0.047	0.00 - 0.50
5B-00077	20189	Np-239	-0.007 U	0.077	0.023	0.139	0.00 - 0.50
5B-00077	20189	Pa-231	-0.08 U	0.49	0.15	0.936	0.00 - 0.50
5B-00077	20189	Pb-212	1.7	0.021	0.09	2.69	0.00 - 0.50
5B-00077	20189	Pb-214	0.939	0.023	0.036	1.7	0.00 - 0.50
5B-00077	20189	Pu-236	-0.003 U	0.011	0.0028	7.79	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00077	20189	Pu-238	0.0014	0.0034	0.0011	0.0415	0.00 - 0.50
5B-00077	20189	Pu-239/240	-0.001 U	0.005	0.0009	0.0404	0.00 - 0.50
5B-00077	20189	Pu-244	0.0041	0.0012	0.0014	0.0313	0.00 - 0.50
5B-00077	20189	Sb-125	0.155 RSK	0.03	0.011	0.354	0.00 - 0.50
5B-00077	20189	Sn-126	0.0032 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00077	20189	Sr-90	-0.046 L U	0.071	0.019	0.485	0.00 - 0.50
5B-00077	20189	Te-125m	0.0359 RSK	0.0068	0.0024	0.0838	0.00 - 0.50
5B-00077	20189	Th-228	1.47	0.013	0.071	3.98	0.00 - 0.50
5B-00077	20189	Th-229	0.0082	0.0032	0.0031	0.145	0.00 - 0.50
5B-00077	20189	Th-230	1.01	0.006	0.052	2.2	0.00 - 0.50
5B-00077	20189	Th-232	1.39	0.008	0.068	3.1	0.00 - 0.50
5B-00077	20189	Th-234	0.362	0.14	0.045	3.19	0.00 - 0.50
5B-00077	20189	Tl-208	0.499	0.014	0.019	0.937	0.00 - 0.50
5B-00077	20189	Tm-171	-2.2 U	5.1	1.5	72.4	0.00 - 0.50
5B-00077	20189	U-233/234	0.791	0.004	0.047	2.02	0.00 - 0.50
5B-00077	20189	U-235/236	0.0487	0.0045	0.0093	0.151	0.00 - 0.50
5B-00077	20189	U-238	0.833	0.01	0.048	1.8	0.00 - 0.50
5B-00078	20190	Ac-227	0.03 U	0.14	0.043	0.217	1.00 - 5.00
5B-00078	20190	Ac-228	1.22	0.085	0.045	2.4	1.00 - 5.00
5B-00078	20190	Am-241	0.0017 U	0.0061	0.0017	0.0454	1.00 - 5.00
5B-00078	20190	Bi-212	1.04	0.11	0.065	2.15	1.00 - 5.00
5B-00078	20190	Bi-214	0.728	0.025	0.027	1.59	1.00 - 5.00
5B-00078	20190	Cd-113m	-0.5 U	35	10	3030	1.00 - 5.00
5B-00078	20190	Cm-243/244	-0.002 U	0.012	0.003	0.0443	1.00 - 5.00
5B-00078	20190	Cm-245/246	0.0025 K	0.0017	0.0013	0.0401	1.00 - 5.00
5B-00078	20190	Cm-247/248	0.0006 U	0.0045	0.0011	0.0306	1.00 - 5.00
5B-00078	20190	Co-60	-0.003 U	0.015	0.0046	0.028	1.00 - 5.00
5B-00078	20190	Cs-134	0.0129 U	0.053	0.0041	0.0864	1.00 - 5.00
5B-00078	20190	Cs-137	-0.009 U	0.016	0.0049	0.207	1.00 - 5.00
5B-00078	20190	Eu-152	-0.01 U	0.038	0.012	0.0566	1.00 - 5.00
5B-00078	20190	Eu-154	-0.032 U	0.092	0.028	0.15	1.00 - 5.00
5B-00078	20190	Eu-155	0.102 SK	0.046	0.02	0.231	1.00 - 5.00
5B-00078	20190	Ho-166m	0.0141 SK	0.023	0.0067	0.0432	1.00 - 5.00
5B-00078	20190	K-40	18.5	0.11	0.56	32.4	1.00 - 5.00
5B-00078	20190	Na-22	-0.008 U	0.022	0.0066	0.037	1.00 - 5.00
5B-00078	20190	Nb-94	0.001 U	0.011	0.0034	0.0214	1.00 - 5.00
5B-00078	20190	Np-236	-0.015 U	0.036	0.011	0.047	1.00 - 5.00
5B-00078	20190	Np-239	0.005 U	0.085	0.026	0.139	1.00 - 5.00
5B-00078	20190	Pa-231	0.39	0.39	0.15	0.936	1.00 - 5.00
5B-00078	20190	Pb-212	1.48 J	0.024	0.045	2.69	1.00 - 5.00
5B-00078	20190	Pb-214	0.763	0.028	0.035	1.7	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00078	20190	Pu-236	-5E-04 U	0.0045	0.0005	7.79	1.00 - 5.00
5B-00078	20190	Pu-238	0.0003 U	0.0045	0.0009	0.0415	1.00 - 5.00
5B-00078	20190	Pu-239/240	0.0029	0.0056	0.0019	0.0404	1.00 - 5.00
5B-00078	20190	Pu-244	0 U	0.0021	0.0007	0.0313	1.00 - 5.00
5B-00078	20190	Sb-125	0.114 SK	0.037	0.0091	0.354	1.00 - 5.00
5B-00078	20190	Sn-126	-0.002 U	0.015	0.0045	0.0237	1.00 - 5.00
5B-00078	20190	Sr-90	0.009 U	0.036	0.011	0.485	1.00 - 5.00
5B-00078	20190	Te-125m	0.0263 SK	0.0085	0.0021	0.0838	1.00 - 5.00
5B-00078	20190	Th-228	1.3	0.017	0.064	3.98	1.00 - 5.00
5B-00078	20190	Th-229	0.0117	0.0091	0.004	0.145	1.00 - 5.00
5B-00078	20190	Th-230	1.04	0.011	0.053	2.2	1.00 - 5.00
5B-00078	20190	Th-232	1.19	0.008	0.059	3.1	1.00 - 5.00
5B-00078	20190	Th-234	1.24 R	0.2	0.075	3.19	1.00 - 5.00
5B-00078	20190	Tl-208	0.484	0.017	0.018	0.937	1.00 - 5.00
5B-00078	20190	Tm-171	-14 U	9.3	2.9	72.4	1.00 - 5.00
5B-00078	20191	Ac-227	0.022 U	0.15	0.048	0.217	0.00 - 0.50
5B-00078	20191	Ac-228	1.18	0.085	0.041	2.4	0.00 - 0.50
5B-00078	20191	Am-241	0.0015 U	0.0055	0.0016	0.0454	0.00 - 0.50
5B-00078	20191	Bi-212	1.17	0.14	0.096	2.15	0.00 - 0.50
5B-00078	20191	Bi-214	0.907	0.028	0.033	1.59	0.00 - 0.50
5B-00078	20191	Cd-113m	2 U	42	13	3030	0.00 - 0.50
5B-00078	20191	Cm-243/244	-0.004 U J	0.018	0.0048	0.0443	0.00 - 0.50
5B-00078	20191	Cm-245/246	0.0021 U J	0.0028	0.0015	0.0401	0.00 - 0.50
5B-00078	20191	Cm-247/248	0 U J	0.0028	0.0011	0.0306	0.00 - 0.50
5B-00078	20191	Co-60	0.0038 U	0.02	0.002	0.028	0.00 - 0.50
5B-00078	20191	Cs-134	0.004 U	0.055	0.012	0.0864	0.00 - 0.50
5B-00078	20191	Cs-137	0.0359	0.013	0.0062	0.207	0.00 - 0.50
5B-00078	20191	Eu-152	0.004 U	0.039	0.012	0.0566	0.00 - 0.50
5B-00078	20191	Eu-154	-0.026 U	0.11	0.033	0.15	0.00 - 0.50
5B-00078	20191	Eu-155	0.077 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00078	20191	Ho-166m	0.0169 SK	0.025	0.009	0.0432	0.00 - 0.50
5B-00078	20191	K-40	19.6	0.14	0.59	32.4	0.00 - 0.50
5B-00078	20191	Na-22	0.0006 U	0.029	0.0085	0.037	0.00 - 0.50
5B-00078	20191	Nb-94	0.0058 U	0.014	0.0044	0.0214	0.00 - 0.50
5B-00078	20191	Np-236	-0.005 U	0.03	0.009	0.047	0.00 - 0.50
5B-00078	20191	Np-239	-0.006 U	0.088	0.026	0.139	0.00 - 0.50
5B-00078	20191	Pa-231	-0.1 U	0.6	0.18	0.936	0.00 - 0.50
5B-00078	20191	Pb-212	1.56	0.024	0.063	2.69	0.00 - 0.50
5B-00078	20191	Pb-214	0.998	0.027	0.034	1.7	0.00 - 0.50
5B-00078	20191	Pu-236	0.0005 U	0.0014	0.0005	7.79	0.00 - 0.50
5B-00078	20191	Pu-238	-0.001 U	0.0047	0.0008	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00078	20191	Pu-239/240	0.0005 U	0.0014	0.0005	0.0404	0.00 - 0.50
5B-00078	20191	Pu-244	0.001 U	0.0014	0.0007	0.0313	0.00 - 0.50
5B-00078	20191	Sb-125	0.131 RSK	0.041	0.011	0.354	0.00 - 0.50
5B-00078	20191	Sn-126	0.0008 U	0.016	0.0048	0.0237	0.00 - 0.50
5B-00078	20191	Sr-90	-0.037 U	0.068	0.019	0.485	0.00 - 0.50
5B-00078	20191	Te-125m	0.0301 RSK	0.0095	0.0026	0.0838	0.00 - 0.50
5B-00078	20191	Th-228	1.25	0.016	0.064	3.98	0.00 - 0.50
5B-00078	20191	Th-229	0.0035 U	0.011	0.0032	0.145	0.00 - 0.50
5B-00078	20191	Th-230	0.992	0.01	0.053	2.2	0.00 - 0.50
5B-00078	20191	Th-232	1.24	0.008	0.063	3.1	0.00 - 0.50
5B-00078	20191	Th-234	1.61	0.15	0.088	3.19	0.00 - 0.50
5B-00078	20191	Tl-208	0.487	0.019	0.019	0.937	0.00 - 0.50
5B-00078	20191	Tm-171	1 U	4.8	1.4	72.4	0.00 - 0.50
5B-00078	20191	U-233/234	0.974	0.002	0.05	2.02	0.00 - 0.50
5B-00078	20191	U-235/236	0.041	0.01	0.0072	0.151	0.00 - 0.50
5B-00078	20191	U-238	1	0.002	0.051	1.8	0.00 - 0.50
5B-00080	20193	Ac-227	0.04 U	0.12	0.045	0.217	1.00 - 2.00
5B-00080	20193	Ac-228	1.17	0.062	0.04	2.4	1.00 - 2.00
5B-00080	20193	Am-241	0.001 U	0.0028	0.001	0.0454	1.00 - 2.00
5B-00080	20193	Bi-212	0.883	0.11	0.063	2.15	1.00 - 2.00
5B-00080	20193	Bi-214	0.777	0.02	0.03	1.59	1.00 - 2.00
5B-00080	20193	Cd-113m	11.6 U	31	9.4	3030	1.00 - 2.00
5B-00080	20193	Cm-243/244	0.001 U	0.0027	0.001	0.0443	1.00 - 2.00
5B-00080	20193	Cm-245/246	0.001 U J	0.0026	0.001	0.0401	1.00 - 2.00
5B-00080	20193	Cm-247/248	-0.001 U	0.007	0.0011	0.0306	1.00 - 2.00
5B-00080	20193	Co-60	0.0047 U	0.013	0.0032	0.028	1.00 - 2.00
5B-00080	20193	Cs-134	0.0139 U	0.037	0.0051	0.0864	1.00 - 2.00
5B-00080	20193	Cs-137	-0.003 U	0.012	0.0037	0.207	1.00 - 2.00
5B-00080	20193	Eu-152	0.0127 U	0.032	0.0075	0.0566	1.00 - 2.00
5B-00080	20193	Eu-154	-0.025 U	0.078	0.023	0.15	1.00 - 2.00
5B-00080	20193	Eu-155	0.073 SK	0.031	0.013	0.231	1.00 - 2.00
5B-00080	20193	Ho-166m	0.006 U	0.02	0.0047	0.0432	1.00 - 2.00
5B-00080	20193	K-40	21.5	0.14	0.72	32.4	1.00 - 2.00
5B-00080	20193	Na-22	0.0011 U	0.017	0.0052	0.037	1.00 - 2.00
5B-00080	20193	Nb-94	0.006 SK	0.011	0.0033	0.0214	1.00 - 2.00
5B-00080	20193	Np-236	0.0012 U	0.022	0.0067	0.047	1.00 - 2.00
5B-00080	20193	Np-239	0.001 U	0.062	0.019	0.139	1.00 - 2.00
5B-00080	20193	Pa-231	-0.06 U	0.49	0.15	0.936	1.00 - 2.00
5B-00080	20193	Pb-212	1.42	0.027	0.076	2.69	1.00 - 2.00
5B-00080	20193	Pb-214	0.904	0.021	0.034	1.7	1.00 - 2.00
5B-00080	20193	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00080	20193	Pu-238	0.0039	0.0021	0.0017	0.0415	1.00 - 2.00
5B-00080	20193	Pu-239/240	0.0015 U	0.0021	0.0011	0.0404	1.00 - 2.00
5B-00080	20193	Pu-244	-9E-04 U	0.0056	0.0007	0.0313	1.00 - 2.00
5B-00080	20193	Sb-125	0.113 JSK	0.034	0.0081	0.354	1.00 - 2.00
5B-00080	20193	Sn-126	0.0009 U	0.012	0.0036	0.0237	1.00 - 2.00
5B-00080	20193	Sr-90	-0.006 U	0.032	0.0094	0.485	1.00 - 2.00
5B-00080	20193	Te-125m	0.0261 JSK	0.0078	0.0019	0.0838	1.00 - 2.00
5B-00080	20193	Th-228	1.27	0.027	0.068	3.98	1.00 - 2.00
5B-00080	20193	Th-229	0.0148	0.01	0.0045	0.145	1.00 - 2.00
5B-00080	20193	Th-230	0.896	0.01	0.051	2.2	1.00 - 2.00
5B-00080	20193	Th-232	1.15	0.004	0.062	3.1	1.00 - 2.00
5B-00080	20193	Th-234	0.3	0.14	0.044	3.19	1.00 - 2.00
5B-00080	20193	Tl-208	0.454	0.015	0.018	0.937	1.00 - 2.00
5B-00080	20193	Tm-171	-2.4 U	5.5	1.7	72.4	1.00 - 2.00
5B-00080	20193	U-233/234	0.622	0.016	0.038	2.02	1.00 - 2.00
5B-00080	20193	U-235/236	0.0212	0.0041	0.0057	0.151	1.00 - 2.00
5B-00080	20193	U-238	0.655	0.011	0.039	1.8	1.00 - 2.00
5B-00081	20194	Ac-227	-0.035 U	0.12	0.036	0.217	3.00 - 5.00
5B-00081	20194	Ac-228	1.26	0.064	0.043	2.4	3.00 - 5.00
5B-00081	20194	Am-241	0.0022 U	0.003	0.0016	0.0454	3.00 - 5.00
5B-00081	20194	Bi-212	1.04	0.11	0.076	2.15	3.00 - 5.00
5B-00081	20194	Bi-214	0.977	0.02	0.036	1.59	3.00 - 5.00
5B-00081	20194	Cd-113m	10.2 U	32	9.7	3030	3.00 - 5.00
5B-00081	20194	Cm-243/244	-0.003 U	0.012	0.0021	0.0443	3.00 - 5.00
5B-00081	20194	Cm-245/246	0.0012 U J	0.0031	0.0012	0.0401	3.00 - 5.00
5B-00081	20194	Cm-247/248	0.0023 U	0.0031	0.0016	0.0306	3.00 - 5.00
5B-00081	20194	Co-60	0.0012 U	0.014	0.0007	0.028	3.00 - 5.00
5B-00081	20194	Cs-134	0.0008 U	0.037	0.011	0.0864	3.00 - 5.00
5B-00081	20194	Cs-137	-0.005 U	0.013	0.0038	0.207	3.00 - 5.00
5B-00081	20194	Eu-152	0.03	0.02	0.011	0.0566	3.00 - 5.00
5B-00081	20194	Eu-154	0.0192 U	0.074	0.0075	0.15	3.00 - 5.00
5B-00081	20194	Eu-155	0.076 SK	0.031	0.014	0.231	3.00 - 5.00
5B-00081	20194	Ho-166m	0.0015 U	0.019	0.0011	0.0432	3.00 - 5.00
5B-00081	20194	K-40	19	0.14	0.63	32.4	3.00 - 5.00
5B-00081	20194	Na-22	0 U	0.019	0.0042	0.037	3.00 - 5.00
5B-00081	20194	Nb-94	0.0047 SK	0.0076	0.0016	0.0214	3.00 - 5.00
5B-00081	20194	Np-236	0.0008 U	0.026	0.008	0.047	3.00 - 5.00
5B-00081	20194	Np-239	-0.017 U	0.074	0.022	0.139	3.00 - 5.00
5B-00081	20194	Pa-231	-0.16 U	0.47	0.14	0.936	3.00 - 5.00
5B-00081	20194	Pb-212	1.6	0.021	0.084	2.69	3.00 - 5.00
5B-00081	20194	Pb-214	1.1	0.023	0.04	1.7	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00081	20194	Pu-236	0 U	0.0027	0.0009	7.79	3.00 - 5.00
5B-00081	20194	Pu-238	0.0014 U	0.0059	0.0016	0.0415	3.00 - 5.00
5B-00081	20194	Pu-239/240	0.002	0.0027	0.0014	0.0404	3.00 - 5.00
5B-00081	20194	Pu-244	0.0024	0.0059	0.0018	0.0313	3.00 - 5.00
5B-00081	20194	Sb-125	0.15 JSK	0.031	0.0096	0.354	3.00 - 5.00
5B-00081	20194	Sn-126	0.0018 U	0.011	0.0034	0.0237	3.00 - 5.00
5B-00081	20194	Sr-90	0.0015 U	0.029	0.0084	0.485	3.00 - 5.00
5B-00081	20194	Te-125m	0.0347 JSK	0.0073	0.0022	0.0838	3.00 - 5.00
5B-00081	20194	Th-228	1.26	0.026	0.075	3.98	3.00 - 5.00
5B-00081	20194	Th-229	0.0088	0.0074	0.0032	0.145	3.00 - 5.00
5B-00081	20194	Th-230	1.04	0.006	0.065	2.2	3.00 - 5.00
5B-00081	20194	Th-232	1.25	0.023	0.074	3.1	3.00 - 5.00
5B-00081	20194	Th-234	1.66	0.13	0.09	3.19	3.00 - 5.00
5B-00081	20194	Tl-208	0.48	0.014	0.019	0.937	3.00 - 5.00
5B-00081	20194	Tm-171	-5.5 R U	4.4	1.4	72.4	3.00 - 5.00
5B-00081	20194	U-233/234	1.01 J	0.018	0.062	2.02	3.00 - 5.00
5B-00081	20194	U-235/236	0.053 J	0.007	0.011	0.151	3.00 - 5.00
5B-00081	20194	U-238	0.974 J	0.014	0.06	1.8	3.00 - 5.00
5B-00082	20195	Ac-227	0.052	0.084	0.018	0.217	3.00 - 5.00
5B-00082	20195	Ac-228	1.24	0.052	0.042	2.4	3.00 - 5.00
5B-00082	20195	Am-241	0.0038	0.0026	0.0019	0.0454	3.00 - 5.00
5B-00082	20195	Bi-212	0.987	0.093	0.061	2.15	3.00 - 5.00
5B-00082	20195	Bi-214	0.917	0.018	0.034	1.59	3.00 - 5.00
5B-00082	20195	Cd-113m	-3.3 U	27	8.1	3030	3.00 - 5.00
5B-00082	20195	Cm-243/244	0.0019 U	0.0025	0.0013	0.0443	3.00 - 5.00
5B-00082	20195	Cm-245/246	0 U	0.0016	0.0007	0.0401	3.00 - 5.00
5B-00082	20195	Cm-247/248	-6E-04 U	0.0044	0.0007	0.0306	3.00 - 5.00
5B-00082	20195	Co-60	-0.002 U	0.013	0.004	0.028	3.00 - 5.00
5B-00082	20195	Cs-134	0.0111 U	0.036	0.0029	0.0864	3.00 - 5.00
5B-00082	20195	Cs-137	0.0015 U	0.011	0.0034	0.207	3.00 - 5.00
5B-00082	20195	Eu-152	0.0159 K R	0.027	0.0074	0.0566	3.00 - 5.00
5B-00082	20195	Eu-154	0.009 U	0.069	0.011	0.15	3.00 - 5.00
5B-00082	20195	Eu-155	0.079 SK	0.028	0.012	0.231	3.00 - 5.00
5B-00082	20195	Ho-166m	0.004 U	0.017	0.0028	0.0432	3.00 - 5.00
5B-00082	20195	K-40	18.8	0.09	0.62	32.4	3.00 - 5.00
5B-00082	20195	Na-22	-0.003 U	0.017	0.005	0.037	3.00 - 5.00
5B-00082	20195	Nb-94	0.0025 U	0.0095	0.0022	0.0214	3.00 - 5.00
5B-00082	20195	Np-236	-0.003 U	0.024	0.0072	0.047	3.00 - 5.00
5B-00082	20195	Np-239	0.006 U	0.067	0.02	0.139	3.00 - 5.00
5B-00082	20195	Pa-231	0.08 U	0.43	0.13	0.936	3.00 - 5.00
5B-00082	20195	Pb-212	1.55 J	0.021	0.081	2.69	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00082	20195	Pb-214	1.04	0.018	0.038	1.7	3.00 - 5.00
5B-00082	20195	Pu-236	0 U	0.0021	0.0007	7.79	3.00 - 5.00
5B-00082	20195	Pu-238	0.0008 U	0.0021	0.0008	0.0415	3.00 - 5.00
5B-00082	20195	Pu-239/240	0.0039	0.0021	0.0018	0.0404	3.00 - 5.00
5B-00082	20195	Pu-244	0.0031	0.0021	0.0016	0.0313	3.00 - 5.00
5B-00082	20195	Sb-125	0.14 SK	0.03	0.0094	0.354	3.00 - 5.00
5B-00082	20195	Sn-126	0.0054	0.01	0.0032	0.0237	3.00 - 5.00
5B-00082	20195	Sr-90	-0.01 U	0.032	0.0089	0.485	3.00 - 5.00
5B-00082	20195	Te-125m	0.0324 SK	0.0069	0.0022	0.0838	3.00 - 5.00
5B-00082	20195	Th-228	1.34	0.013	0.066	3.98	3.00 - 5.00
5B-00082	20195	Th-229	0.0114	0.012	0.0047	0.145	3.00 - 5.00
5B-00082	20195	Th-230	1.07	0.008	0.055	2.2	3.00 - 5.00
5B-00082	20195	Th-232	1.25	0.007	0.062	3.1	3.00 - 5.00
5B-00082	20195	Th-234	1.61 R	0.11	0.083	3.19	3.00 - 5.00
5B-00082	20195	Tl-208	0.475	0.012	0.018	0.937	3.00 - 5.00
5B-00082	20195	Tm-171	-5.8 U	4.2	1.3	72.4	3.00 - 5.00
5B-00083	20196	Ac-227	0.032 U	0.1	0.036	0.217	1.00 - 5.00
5B-00083	20196	Ac-228	1.11	0.083	0.04	2.4	1.00 - 5.00
5B-00083	20196	Am-241	0 U	0.012	0.0031	0.0454	1.00 - 5.00
5B-00083	20196	Bi-212	0.894	0.12	0.063	2.15	1.00 - 5.00
5B-00083	20196	Bi-214	0.852	0.024	0.03	1.59	1.00 - 5.00
5B-00083	20196	Cd-113m	-0.4 U	38	11	3030	1.00 - 5.00
5B-00083	20196	Cm-243/244	0.002 U	0.0027	0.0014	0.0443	1.00 - 5.00
5B-00083	20196	Cm-245/246	-0.001 U J	0.0085	0.0013	0.0401	1.00 - 5.00
5B-00083	20196	Cm-247/248	-0.001 U	0.0083	0.0013	0.0306	1.00 - 5.00
5B-00083	20196	Co-60	0.0002 U	0.018	0.0055	0.028	1.00 - 5.00
5B-00083	20196	Cs-134	-2E-04 U	0.029	0.0088	0.0864	1.00 - 5.00
5B-00083	20196	Cs-137	0.0085	0.016	0.0057	0.207	1.00 - 5.00
5B-00083	20196	Eu-152	0.011 U	0.036	0.011	0.0566	1.00 - 5.00
5B-00083	20196	Eu-154	-0.036 U	0.1	0.032	0.15	1.00 - 5.00
5B-00083	20196	Eu-155	0.061 SK	0.033	0.013	0.231	1.00 - 5.00
5B-00083	20196	Ho-166m	-6E-04 U	0.024	0.0072	0.0432	1.00 - 5.00
5B-00083	20196	K-40	19.2	0.13	0.58	32.4	1.00 - 5.00
5B-00083	20196	Na-22	0.0022 U	0.025	0.0075	0.037	1.00 - 5.00
5B-00083	20196	Nb-94	-0.004 U	0.012	0.0036	0.0214	1.00 - 5.00
5B-00083	20196	Np-236	-0.005 U	0.028	0.0084	0.047	1.00 - 5.00
5B-00083	20196	Np-239	0.002 U	0.084	0.025	0.139	1.00 - 5.00
5B-00083	20196	Pa-231	-0.05 U	0.56	0.17	0.936	1.00 - 5.00
5B-00083	20196	Pb-212	1.49	0.023	0.061	2.69	1.00 - 5.00
5B-00083	20196	Pb-214	0.916	0.027	0.032	1.7	1.00 - 5.00
5B-00083	20196	Pu-236	-4E-04 U	0.0038	0.0004	7.79	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00083	20196	Pu-238	0.0018	0.0046	0.0014	0.0415	1.00 - 5.00
5B-00083	20196	Pu-239/240	-4E-04 U	0.0038	0.0004	0.0404	1.00 - 5.00
5B-00083	20196	Pu-244	0.0019	0.0017	0.0011	0.0313	1.00 - 5.00
5B-00083	20196	Sb-125	0.015 U J	0.041	0.011	0.354	1.00 - 5.00
5B-00083	20196	Sn-126	0 U	0.014	0.0041	0.0237	1.00 - 5.00
5B-00083	20196	Sr-90	-0.013 U	0.03	0.0083	0.485	1.00 - 5.00
5B-00083	20196	Te-125m	0.0034 U J	0.0095	0.0026	0.0838	1.00 - 5.00
5B-00083	20196	Th-228	1.4	0.023	0.073	3.98	1.00 - 5.00
5B-00083	20196	Th-229	0.0121	0.0094	0.0041	0.145	1.00 - 5.00
5B-00083	20196	Th-230	1.06	0.012	0.058	2.2	1.00 - 5.00
5B-00083	20196	Th-232	1.3	0.01	0.068	3.1	1.00 - 5.00
5B-00083	20196	Th-234	0.533	0.15	0.05	3.19	1.00 - 5.00
5B-00083	20196	Tl-208	0.456	0.014	0.016	0.937	1.00 - 5.00
5B-00083	20196	Tm-171	2.3 U	5.4	1.6	72.4	1.00 - 5.00
5B-00083	20196	U-233/234	0.785	0.009	0.045	2.02	1.00 - 5.00
5B-00083	20196	U-235/236	0.0419	0.0042	0.0083	0.151	1.00 - 5.00
5B-00083	20196	U-238	0.788	0.009	0.046	1.8	1.00 - 5.00
5B-00083	20197	Ac-227	0.023 U	0.15	0.048	0.217	0.00 - 0.50
5B-00083	20197	Ac-228	1.01	0.091	0.057	2.4	0.00 - 0.50
5B-00083	20197	Am-241	0 U	0.011	0.0029	0.0454	0.00 - 0.50
5B-00083	20197	Bi-212	0.941	0.12	0.071	2.15	0.00 - 0.50
5B-00083	20197	Bi-214	1	0.029	0.036	1.59	0.00 - 0.50
5B-00083	20197	Cd-113m	-0.2 U	35	10	3030	0.00 - 0.50
5B-00083	20197	Cm-243/244	0.0019 U J	0.0025	0.0013	0.0443	0.00 - 0.50
5B-00083	20197	Cm-245/246	0.0069 J	0.0031	0.0028	0.0401	0.00 - 0.50
5B-00083	20197	Cm-247/248	0 U J	0.0083	0.0017	0.0306	0.00 - 0.50
5B-00083	20197	Co-60	-0.008 U	0.021	0.0064	0.028	0.00 - 0.50
5B-00083	20197	Cs-134	0.0166 U	0.055	0.0058	0.0864	0.00 - 0.50
5B-00083	20197	Cs-137	0.113	0.015	0.0089	0.207	0.00 - 0.50
5B-00083	20197	Eu-152	-0.017 U	0.041	0.012	0.0566	0.00 - 0.50
5B-00083	20197	Eu-154	0.006 U	0.1	0.031	0.15	0.00 - 0.50
5B-00083	20197	Eu-155	0.076 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00083	20197	Ho-166m	0.0065 U	0.025	0.008	0.0432	0.00 - 0.50
5B-00083	20197	K-40	20.8	0.13	0.63	32.4	0.00 - 0.50
5B-00083	20197	Na-22	0.0036 U	0.02	0.0062	0.037	0.00 - 0.50
5B-00083	20197	Nb-94	0.0026 U	0.015	0.0022	0.0214	0.00 - 0.50
5B-00083	20197	Np-236	0.0009 U	0.029	0.0086	0.047	0.00 - 0.50
5B-00083	20197	Np-239	0.011 U	0.076	0.023	0.139	0.00 - 0.50
5B-00083	20197	Pa-231	0.0005 U	0.57	0.17	0.936	0.00 - 0.50
5B-00083	20197	Pb-212	1.44	0.028	0.06	2.69	0.00 - 0.50
5B-00083	20197	Pb-214	1.09	0.028	0.036	1.7	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00083	20197	Pu-236	0.0004 U	0.0032	0.0008	7.79	0.00 - 0.50
5B-00083	20197	Pu-238	-4E-04 U	0.0053	0.0012	0.0415	0.00 - 0.50
5B-00083	20197	Pu-239/240	0.0049	0.0032	0.0016	0.0404	0.00 - 0.50
5B-00083	20197	Pu-244	0.0009 U	0.0041	0.0011	0.0313	0.00 - 0.50
5B-00083	20197	Sb-125	0.155 RSK	0.044	0.013	0.354	0.00 - 0.50
5B-00083	20197	Sn-126	-0.002 U	0.016	0.0048	0.0237	0.00 - 0.50
5B-00083	20197	Sr-90	0.032	0.054	0.016	0.485	0.00 - 0.50
5B-00083	20197	Te-125m	0.0358 RSK	0.01	0.0029	0.0838	0.00 - 0.50
5B-00083	20197	Th-228	1.1	0.011	0.056	3.98	0.00 - 0.50
5B-00083	20197	Th-229	0.0073	0.0067	0.0029	0.145	0.00 - 0.50
5B-00083	20197	Th-230	0.979	0.003	0.051	2.2	0.00 - 0.50
5B-00083	20197	Th-232	1.14	0.007	0.058	3.1	0.00 - 0.50
5B-00083	20197	Th-234	1.53	0.15	0.084	3.19	0.00 - 0.50
5B-00083	20197	Tl-208	0.483	0.02	0.019	0.937	0.00 - 0.50
5B-00083	20197	Tm-171	0.4 U	4.6	1.4	72.4	0.00 - 0.50
5B-00083	20197	U-233/234	0.898	0.008	0.049	2.02	0.00 - 0.50
5B-00083	20197	U-235/236	0.0397	0.01	0.0078	0.151	0.00 - 0.50
5B-00083	20197	U-238	0.922	0.01	0.05	1.8	0.00 - 0.50
5B-00084	20198	Ac-227	0.082	0.11	0.022	0.217	1.00 - 2.00
5B-00084	20198	Ac-228	1.35	0.078	0.046	2.4	1.00 - 2.00
5B-00084	20198	Am-241	0 U	0.0036	0.0015	0.0454	1.00 - 2.00
5B-00084	20198	Bi-212	1.24	0.14	0.088	2.15	1.00 - 2.00
5B-00084	20198	Bi-214	1	0.026	0.035	1.59	1.00 - 2.00
5B-00084	20198	Cd-113m	16 U	41	13	3030	1.00 - 2.00
5B-00084	20198	Cm-243/244	0 U	0.0035	0.0014	0.0443	1.00 - 2.00
5B-00084	20198	Cm-245/246	0.0022 U	0.01	0.0028	0.0401	1.00 - 2.00
5B-00084	20198	Cm-247/248	-0.001 U	0.008	0.0012	0.0306	1.00 - 2.00
5B-00084	20198	Co-60	0.0007 U	0.015	0.0045	0.028	1.00 - 2.00
5B-00084	20198	Cs-134	0.0032 U	0.054	0.0047	0.0864	1.00 - 2.00
5B-00084	20198	Cs-137	0.0002 U	0.018	0.0054	0.207	1.00 - 2.00
5B-00084	20198	Eu-152	0.005 U	0.038	0.011	0.0566	1.00 - 2.00
5B-00084	20198	Eu-154	-0.027 U	0.11	0.032	0.15	1.00 - 2.00
5B-00084	20198	Eu-155	0.076 SK	0.033	0.013	0.231	1.00 - 2.00
5B-00084	20198	Ho-166m	0.0402 SK	0.025	0.0062	0.0432	1.00 - 2.00
5B-00084	20198	K-40	19.9	0.13	0.6	32.4	1.00 - 2.00
5B-00084	20198	Na-22	0.0049 U	0.024	0.0072	0.037	1.00 - 2.00
5B-00084	20198	Nb-94	0.0055 U	0.014	0.0042	0.0214	1.00 - 2.00
5B-00084	20198	Np-236	-0.011 U	0.03	0.009	0.047	1.00 - 2.00
5B-00084	20198	Np-239	-4E-04 U	0.09	0.027	0.139	1.00 - 2.00
5B-00084	20198	Pa-231	-0.09 U	0.61	0.18	0.936	1.00 - 2.00
5B-00084	20198	Pb-212	1.76	0.023	0.071	2.69	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00084	20198	Pb-214	1.12	0.027	0.038	1.7	1.00 - 2.00
5B-00084	20198	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 2.00
5B-00084	20198	Pu-238	0.0017	0.0041	0.0013	0.0415	1.00 - 2.00
5B-00084	20198	Pu-239/240	0 U	0.0019	0.0006	0.0404	1.00 - 2.00
5B-00084	20198	Pu-244	0.0021	0.0019	0.0012	0.0313	1.00 - 2.00
5B-00084	20198	Sb-125	0.171 JSK	0.037	0.012	0.354	1.00 - 2.00
5B-00084	20198	Sn-126	0.0038 U	0.016	0.0049	0.0237	1.00 - 2.00
5B-00084	20198	Sr-90	0.0058 U	0.034	0.0099	0.485	1.00 - 2.00
5B-00084	20198	Te-125m	0.0395 JSK	0.0086	0.0029	0.0838	1.00 - 2.00
5B-00084	20198	Th-228	1.43	0.026	0.076	3.98	1.00 - 2.00
5B-00084	20198	Th-229	0.0086	0.017	0.0056	0.145	1.00 - 2.00
5B-00084	20198	Th-230	1.25	0.014	0.068	2.2	1.00 - 2.00
5B-00084	20198	Th-232	1.46	0.011	0.078	3.1	1.00 - 2.00
5B-00084	20198	Th-234	0.44	0.16	0.052	3.19	1.00 - 2.00
5B-00084	20198	Tl-208	0.526	0.017	0.019	0.937	1.00 - 2.00
5B-00084	20198	Tm-171	0.5 U	4.1	1.2	72.4	1.00 - 2.00
5B-00084	20198	U-233/234	0.791	0.011	0.045	2.02	1.00 - 2.00
5B-00084	20198	U-235/236	0.0461	0.014	0.009	0.151	1.00 - 2.00
5B-00084	20198	U-238	0.778	0.011	0.045	1.8	1.00 - 2.00
5B-00084	20199	Ac-227	0.066 U	0.15	0.018	0.217	0.00 - 0.50
5B-00084	20199	Ac-228	1.32	0.091	0.045	2.4	0.00 - 0.50
5B-00084	20199	Am-241	0.0018 U	0.0066	0.0019	0.0454	0.00 - 0.50
5B-00084	20199	Bi-212	1.15	0.14	0.082	2.15	0.00 - 0.50
5B-00084	20199	Bi-214	0.895	0.032	0.034	1.59	0.00 - 0.50
5B-00084	20199	Cd-113m	-12 U	44	13	3030	0.00 - 0.50
5B-00084	20199	Cm-243/244	-9E-04 U J	0.0095	0.0021	0.0443	0.00 - 0.50
5B-00084	20199	Cm-245/246	0.0027 U J	0.0037	0.0019	0.0401	0.00 - 0.50
5B-00084	20199	Cm-247/248	0.0013 U J	0.0036	0.0013	0.0306	0.00 - 0.50
5B-00084	20199	Co-60	-6E-04 U	0.02	0.006	0.028	0.00 - 0.50
5B-00084	20199	Cs-134	0.0063 U	0.055	0.0056	0.0864	0.00 - 0.50
5B-00084	20199	Cs-137	0.0058 U	0.017	0.0053	0.207	0.00 - 0.50
5B-00084	20199	Eu-152	0.0004 U	0.041	0.0015	0.0566	0.00 - 0.50
5B-00084	20199	Eu-154	0.016 U	0.077	0.012	0.15	0.00 - 0.50
5B-00084	20199	Eu-155	0.08 SK	0.035	0.014	0.231	0.00 - 0.50
5B-00084	20199	Ho-166m	0.0194 SK	0.027	0.0027	0.0432	0.00 - 0.50
5B-00084	20199	K-40	20.8	0.16	0.63	32.4	0.00 - 0.50
5B-00084	20199	Na-22	0 U	0.026	0.0078	0.037	0.00 - 0.50
5B-00084	20199	Nb-94	0.006 U	0.015	0.0024	0.0214	0.00 - 0.50
5B-00084	20199	Np-236	-0.001 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00084	20199	Np-239	-0.008 U	0.092	0.028	0.139	0.00 - 0.50
5B-00084	20199	Pa-231	0.06 U	0.61	0.18	0.936	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00084	20199	Pb-212	1.74	0.023	0.071	2.69	0.00 - 0.50
5B-00084	20199	Pb-214	0.951	0.027	0.033	1.7	0.00 - 0.50
5B-00084	20199	Pu-236	-5E-04 U	0.0035	0.0005	7.79	0.00 - 0.50
5B-00084	20199	Pu-238	0.0005 U	0.0044	0.0011	0.0415	0.00 - 0.50
5B-00084	20199	Pu-239/240	0.0005 U	0.0013	0.0005	0.0404	0.00 - 0.50
5B-00084	20199	Pu-244	0.0014	0.0013	0.0008	0.0313	0.00 - 0.50
5B-00084	20199	Sb-125	0.176 RSK	0.042	0.018	0.354	0.00 - 0.50
5B-00084	20199	Sn-126	0.0057 U	0.018	0.0053	0.0237	0.00 - 0.50
5B-00084	20199	Sr-90	-0.014 U	0.072	0.021	0.485	0.00 - 0.50
5B-00084	20199	Te-125m	0.0408 RSK	0.0098	0.0042	0.0838	0.00 - 0.50
5B-00084	20199	Th-228	1.38	0.009	0.067	3.98	0.00 - 0.50
5B-00084	20199	Th-229	0.0042	0.0096	0.003	0.145	0.00 - 0.50
5B-00084	20199	Th-230	1.02	0.002	0.052	2.2	0.00 - 0.50
5B-00084	20199	Th-232	1.31	0.006	0.065	3.1	0.00 - 0.50
5B-00084	20199	Th-234	1.61	0.16	0.091	3.19	0.00 - 0.50
5B-00084	20199	Tl-208	0.533	0.019	0.02	0.937	0.00 - 0.50
5B-00084	20199	Tm-171	-2.1 U	6.8	2	72.4	0.00 - 0.50
5B-00084	20199	U-233/234	0.887	0.008	0.048	2.02	0.00 - 0.50
5B-00084	20199	U-235/236	0.0498	0.0099	0.0087	0.151	0.00 - 0.50
5B-00084	20199	U-238	0.878	0.01	0.048	1.8	0.00 - 0.50
5B-00139	20200	Ac-227	0.023 U	0.13	0.038	0.217	0.00 - 0.50
5B-00139	20200	Ac-228	1.31	0.069	0.047	2.4	0.00 - 0.50
5B-00139	20200	Am-241	0.0008 U	0.011	0.0029	0.0454	0.00 - 0.50
5B-00139	20200	Bi-212	0.966	0.12	0.075	2.15	0.00 - 0.50
5B-00139	20200	Bi-214	0.739	0.022	0.029	1.59	0.00 - 0.50
5B-00139	20200	Cd-113m	12 U	34	10	3030	0.00 - 0.50
5B-00139	20200	Cm-243/244	-0.003 U J	0.013	0.003	0.0443	0.00 - 0.50
5B-00139	20200	Cm-245/246	0.0025 U J	0.0092	0.0026	0.0401	0.00 - 0.50
5B-00139	20200	Cm-247/248	0 U J	0.0033	0.0014	0.0306	0.00 - 0.50
5B-00139	20200	Co-60	0.0009 U	0.016	0.0047	0.028	0.00 - 0.50
5B-00139	20200	Cs-134	-0.003 U	0.043	0.0036	0.0864	0.00 - 0.50
5B-00139	20200	Cs-137	0.0212	0.011	0.0056	0.207	0.00 - 0.50
5B-00139	20200	Eu-152	0.0021 U	0.033	0.0076	0.0566	0.00 - 0.50
5B-00139	20200	Eu-154	0.037	0.064	0.018	0.15	0.00 - 0.50
5B-00139	20200	Eu-155	0.095 SK	0.031	0.014	0.231	0.00 - 0.50
5B-00139	20200	Ho-166m	0.0096 U	0.02	0.0073	0.0432	0.00 - 0.50
5B-00139	20200	K-40	20.4	0.13	0.68	32.4	0.00 - 0.50
5B-00139	20200	Na-22	-0.004 U J	0.019	0.0056	0.037	0.00 - 0.50
5B-00139	20200	Nb-94	0.0027 U	0.012	0.0025	0.0214	0.00 - 0.50
5B-00139	20200	Np-236	-0.008 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00139	20200	Np-239	0.028 U	0.078	0.024	0.139	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00139	20200	Pa-231	0.14 U	0.48	0.11	0.936	0.00 - 0.50
5B-00139	20200	Pb-212	1.71	0.022	0.09	2.69	0.00 - 0.50
5B-00139	20200	Pb-214	0.844	0.022	0.033	1.7	0.00 - 0.50
5B-00139	20200	Pu-236	-0.001 U	0.0068	0.0016	7.79	0.00 - 0.50
5B-00139	20200	Pu-238	0 U	0.0052	0.0013	0.0415	0.00 - 0.50
5B-00139	20200	Pu-239/240	0 U	0.0013	0.0005	0.0404	0.00 - 0.50
5B-00139	20200	Pu-244	0.0034	0.0013	0.0013	0.0313	0.00 - 0.50
5B-00139	20200	Sb-125	0.164 RSK	0.035	0.011	0.354	0.00 - 0.50
5B-00139	20200	Sn-126	-1E-04 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00139	20200	Sr-90	-2E-04 U	0.065	0.019	0.485	0.00 - 0.50
5B-00139	20200	Te-125m	0.0379 RSK	0.008	0.0025	0.0838	0.00 - 0.50
5B-00139	20200	Th-228	1.36	0.017	0.069	3.98	0.00 - 0.50
5B-00139	20200	Th-229	0.0038	0.0026	0.0019	0.145	0.00 - 0.50
5B-00139	20200	Th-230	0.978	0.003	0.052	2.2	0.00 - 0.50
5B-00139	20200	Th-232	1.31	0.008	0.066	3.1	0.00 - 0.50
5B-00139	20200	Th-234	1.67	0.14	0.092	3.19	0.00 - 0.50
5B-00139	20200	Tl-208	0.503	0.015	0.02	0.937	0.00 - 0.50
5B-00139	20200	Tm-171	-0.2 U	5.6	1.7	72.4	0.00 - 0.50
5B-00139	20200	U-233/234	0.879	0.01	0.051	2.02	0.00 - 0.50
5B-00139	20200	U-235/236	0.0495	0.013	0.0099	0.151	0.00 - 0.50
5B-00139	20200	U-238	0.924	0.004	0.053	1.8	0.00 - 0.50
5B-00301	20208	Ac-227	0.038 U	0.14	0.034	0.217	1.00 - 5.00
5B-00301	20208	Ac-228	1.22	0.092	0.043	2.4	1.00 - 5.00
5B-00301	20208	Am-241	0.0013 U	0.0034	0.0013	0.0454	1.00 - 5.00
5B-00301	20208	Bi-212	1.07	0.14	0.079	2.15	1.00 - 5.00
5B-00301	20208	Bi-214	0.948	0.025	0.033	1.59	1.00 - 5.00
5B-00301	20208	Cd-113m	8.8 U	32	9.8	3030	1.00 - 5.00
5B-00301	20208	Cm-243/244	0.0012 U	0.0034	0.0012	0.0443	1.00 - 5.00
5B-00301	20208	Cm-245/246	-0.006 U J	0.016	0.0031	0.0401	1.00 - 5.00
5B-00301	20208	Cm-247/248	-0.001 U	0.0089	0.0013	0.0306	1.00 - 5.00
5B-00301	20208	Co-60	0.0028 U	0.019	0.0048	0.028	1.00 - 5.00
5B-00301	20208	Cs-134	-0.024 R U	0.018	0.0056	0.0864	1.00 - 5.00
5B-00301	20208	Cs-137	0.0074 U	0.017	0.0064	0.207	1.00 - 5.00
5B-00301	20208	Eu-152	-0.009 U	0.035	0.011	0.0566	1.00 - 5.00
5B-00301	20208	Eu-154	0.027 U	0.08	0.021	0.15	1.00 - 5.00
5B-00301	20208	Eu-155	0.079 SK	0.034	0.014	0.231	1.00 - 5.00
5B-00301	20208	Ho-166m	0.0088 U	0.025	0.0068	0.0432	1.00 - 5.00
5B-00301	20208	K-40	19.6	0.15	0.6	32.4	1.00 - 5.00
5B-00301	20208	Na-22	-0.002 U	0.025	0.0073	0.037	1.00 - 5.00
5B-00301	20208	Nb-94	0.0052 U	0.015	0.0044	0.0214	1.00 - 5.00
5B-00301	20208	Np-236	0.0087 U	0.026	0.0078	0.047	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00301	20208	Np-239	0.019 U	0.08	0.024	0.139	1.00 - 5.00
5B-00301	20208	Pa-231	-0.13 U	0.59	0.18	0.936	1.00 - 5.00
5B-00301	20208	Pb-212	1.7	0.023	0.069	2.69	1.00 - 5.00
5B-00301	20208	Pb-214	1.08	0.027	0.037	1.7	1.00 - 5.00
5B-00301	20208	Pu-236	0.0005 U	0.008	0.0018	7.79	1.00 - 5.00
5B-00301	20208	Pu-238	0.0012 U	0.011	0.0028	0.0415	1.00 - 5.00
5B-00301	20208	Pu-239/240	-5E-04 U	0.008	0.0014	0.0404	1.00 - 5.00
5B-00301	20208	Pu-244	0 U	0.0027	0.0009	0.0313	1.00 - 5.00
5B-00301	20208	Sb-125	0.154 JSK	0.044	0.012	0.354	1.00 - 5.00
5B-00301	20208	Sn-126	-0.002 U	0.014	0.0042	0.0237	1.00 - 5.00
5B-00301	20208	Sr-90	0.0191	0.032	0.01	0.485	1.00 - 5.00
5B-00301	20208	Te-125m	0.0355 JSK	0.01	0.0028	0.0838	1.00 - 5.00
5B-00301	20208	Th-228	1.43	0.026	0.076	3.98	1.00 - 5.00
5B-00301	20208	Th-229	0.0146	0.012	0.005	0.145	1.00 - 5.00
5B-00301	20208	Th-230	1.14	0.011	0.063	2.2	1.00 - 5.00
5B-00301	20208	Th-232	1.42	0.004	0.075	3.1	1.00 - 5.00
5B-00301	20208	Th-234	1.59	0.15	0.085	3.19	1.00 - 5.00
5B-00301	20208	Tl-208	0.525	0.017	0.019	0.937	1.00 - 5.00
5B-00301	20208	Tm-171	3	5.7	1.7	72.4	1.00 - 5.00
5B-00301	20208	U-233/234	0.774	0.008	0.044	2.02	1.00 - 5.00
5B-00301	20208	U-235/236	0.0372	0.0039	0.0075	0.151	1.00 - 5.00
5B-00301	20208	U-238	0.799	0.008	0.045	1.8	1.00 - 5.00
5B-00301	20209	Ac-227	0.038 U	0.11	0.066	0.217	0.00 - 0.50
5B-00301	20209	Ac-228	1.19	0.081	0.042	2.4	0.00 - 0.50
5B-00301	20209	Am-241	0.0009 U	0.0095	0.0025	0.0454	0.00 - 0.50
5B-00301	20209	Bi-212	1.1	0.15	0.09	2.15	0.00 - 0.50
5B-00301	20209	Bi-214	0.882	0.026	0.032	1.59	0.00 - 0.50
5B-00301	20209	Cd-113m	12 U	33	10	3030	0.00 - 0.50
5B-00301	20209	Cm-243/244	-9E-04 U J	0.017	0.0046	0.0443	0.00 - 0.50
5B-00301	20209	Cm-245/246	0.0032 J	0.0029	0.0019	0.0401	0.00 - 0.50
5B-00301	20209	Cm-247/248	0.0011 U J	0.0029	0.0011	0.0306	0.00 - 0.50
5B-00301	20209	Co-60	0.0025 U	0.019	0.0042	0.028	0.00 - 0.50
5B-00301	20209	Cs-134	-0.016 L U	0.018	0.0056	0.0864	0.00 - 0.50
5B-00301	20209	Cs-137	0.0241	0.02	0.0078	0.207	0.00 - 0.50
5B-00301	20209	Eu-152	0.0009 U	0.032	0.0094	0.0566	0.00 - 0.50
5B-00301	20209	Eu-154	0.013 U	0.1	0.0078	0.15	0.00 - 0.50
5B-00301	20209	Eu-155	0.077 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00301	20209	Ho-166m	0.015 SK	0.027	0.0068	0.0432	0.00 - 0.50
5B-00301	20209	K-40	19.5	0.16	0.6	32.4	0.00 - 0.50
5B-00301	20209	Na-22	-0.002 U	0.027	0.008	0.037	0.00 - 0.50
5B-00301	20209	Nb-94	0.0045 U	0.015	0.0045	0.0214	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00301	20209	Np-236	0.0045 U	0.03	0.0089	0.047	0.00 - 0.50
5B-00301	20209	Np-239	-0.027 U	0.089	0.027	0.139	0.00 - 0.50
5B-00301	20209	Pa-231	0.06 U	0.6	0.047	0.936	0.00 - 0.50
5B-00301	20209	Pb-212	1.59	0.024	0.065	2.69	0.00 - 0.50
5B-00301	20209	Pb-214	0.941	0.028	0.032	1.7	0.00 - 0.50
5B-00301	20209	Pu-236	-0.002 U	0.0067	0.0015	7.79	0.00 - 0.50
5B-00301	20209	Pu-238	-0.002 U	0.0058	0.0011	0.0415	0.00 - 0.50
5B-00301	20209	Pu-239/240	0 U	0.0033	0.0007	0.0404	0.00 - 0.50
5B-00301	20209	Pu-244	0.0022	0.0033	0.0012	0.0313	0.00 - 0.50
5B-00301	20209	Sb-125	0.162 RSK	0.036	0.014	0.354	0.00 - 0.50
5B-00301	20209	Sn-126	-8E-04 U	0.014	0.0041	0.0237	0.00 - 0.50
5B-00301	20209	Sr-90	0.037 U	0.068	0.021	0.485	0.00 - 0.50
5B-00301	20209	Te-125m	0.0375 RSK	0.0083	0.0033	0.0838	0.00 - 0.50
5B-00301	20209	Th-228	1.45	0.018	0.072	3.98	0.00 - 0.50
5B-00301	20209	Th-229	0.0032	0.0077	0.0024	0.145	0.00 - 0.50
5B-00301	20209	Th-230	1.16	0.011	0.06	2.2	0.00 - 0.50
5B-00301	20209	Th-232	1.31	0.008	0.066	3.1	0.00 - 0.50
5B-00301	20209	Th-234	0.63	0.16	0.055	3.19	0.00 - 0.50
5B-00301	20209	Tl-208	0.495	0.016	0.018	0.937	0.00 - 0.50
5B-00301	20209	Tm-171	0.08 U	5.9	1.8	72.4	0.00 - 0.50
5B-00301	20209	U-233/234	1.04 J	0.02	0.062	2.02	0.00 - 0.50
5B-00301	20209	U-235/236	0.05 J	0.017	0.011	0.151	0.00 - 0.50
5B-00301	20209	U-238	1.01 J	0.017	0.06	1.8	0.00 - 0.50
5B-00085	20210	Ac-227	0.013 U	0.12	0.03	0.217	1.00 - 4.00
5B-00085	20210	Ac-228	1.32	0.064	0.046	2.4	1.00 - 4.00
5B-00085	20210	Am-241	0.0018 U	0.0024	0.0013	0.0454	1.00 - 4.00
5B-00085	20210	Bi-212	1.05	0.11	0.074	2.15	1.00 - 4.00
5B-00085	20210	Bi-214	0.857	0.022	0.033	1.59	1.00 - 4.00
5B-00085	20210	Cd-113m	0.6 U	34	10	3030	1.00 - 4.00
5B-00085	20210	Cm-243/244	0 U	0.0024	0.001	0.0443	1.00 - 4.00
5B-00085	20210	Cm-245/246	0.0011 U	0.0029	0.0011	0.0401	1.00 - 4.00
5B-00085	20210	Cm-247/248	0.001 U	0.0076	0.0019	0.0306	1.00 - 4.00
5B-00085	20210	Co-60	0.0015 U	0.015	0.003	0.028	1.00 - 4.00
5B-00085	20210	Cs-134	0.0146 U	0.045	0.0038	0.0864	1.00 - 4.00
5B-00085	20210	Cs-137	-0.005 U	0.014	0.0041	0.207	1.00 - 4.00
5B-00085	20210	Eu-152	-0.006 U	0.032	0.0096	0.0566	1.00 - 4.00
5B-00085	20210	Eu-154	0.0059 U	0.065	0.008	0.15	1.00 - 4.00
5B-00085	20210	Eu-155	0.077 SK	0.029	0.012	0.231	1.00 - 4.00
5B-00085	20210	Ho-166m	0.0176 SK	0.021	0.0051	0.0432	1.00 - 4.00
5B-00085	20210	K-40	20.2	0.14	0.67	32.4	1.00 - 4.00
5B-00085	20210	Na-22	0.0017 U	0.02	0.0059	0.037	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00085	20210	Nb-94	0.0047 U	0.011	0.0034	0.0214	1.00 - 4.00
5B-00085	20210	Np-236	-0.004 U	0.027	0.0081	0.047	1.00 - 4.00
5B-00085	20210	Np-239	0.011 U	0.077	0.023	0.139	1.00 - 4.00
5B-00085	20210	Pa-231	0.005 U	0.51	0.15	0.936	1.00 - 4.00
5B-00085	20210	Pb-212	1.69	0.021	0.089	2.69	1.00 - 4.00
5B-00085	20210	Pb-214	0.955	0.023	0.036	1.7	1.00 - 4.00
5B-00085	20210	Pu-236	-0.003 U	0.0096	0.0019	7.79	1.00 - 4.00
5B-00085	20210	Pu-238	0.0004 U	0.0068	0.0016	0.0415	1.00 - 4.00
5B-00085	20210	Pu-239/240	0.0006 U	0.0054	0.0013	0.0404	1.00 - 4.00
5B-00085	20210	Pu-244	0.001 U	0.0044	0.0012	0.0313	1.00 - 4.00
5B-00085	20210	Sb-125	0.128 JSK	0.034	0.0086	0.354	1.00 - 4.00
5B-00085	20210	Sn-126	0.0019 U	0.013	0.0039	0.0237	1.00 - 4.00
5B-00085	20210	Sr-90	0.002 U	0.035	0.01	0.485	1.00 - 4.00
5B-00085	20210	Te-125m	0.0296 JSK	0.0078	0.002	0.0838	1.00 - 4.00
5B-00085	20210	Th-228	1.34	0.016	0.067	3.98	1.00 - 4.00
5B-00085	20210	Th-229	-0.001 U	0.015	0.0037	0.145	1.00 - 4.00
5B-00085	20210	Th-230	0.882	0.009	0.047	2.2	1.00 - 4.00
5B-00085	20210	Th-232	1.24	0.007	0.062	3.1	1.00 - 4.00
5B-00085	20210	Th-234	1.44 R	0.13	0.082	3.19	1.00 - 4.00
5B-00085	20210	Tl-208	0.509	0.016	0.02	0.937	1.00 - 4.00
5B-00085	20210	Tm-171	4.6	4.7	1.9	72.4	1.00 - 4.00
5B-00085	20210	U-233/234	0.81	0.015	0.046	2.02	1.00 - 4.00
5B-00085	20210	U-235/236	0.0546	0.0039	0.0091	0.151	1.00 - 4.00
5B-00085	20210	U-238	0.8	0.008	0.045	1.8	1.00 - 4.00
5B-00085	20211	Ac-227	-0.039 U	0.15	0.045	0.217	0.00 - 0.50
5B-00085	20211	Ac-228	1.19	0.07	0.04	2.4	0.00 - 0.50
5B-00085	20211	Am-241	-0.001 U	0.013	0.0029	0.0454	0.00 - 0.50
5B-00085	20211	Bi-212	0.985	0.12	0.069	2.15	0.00 - 0.50
5B-00085	20211	Bi-214	0.869	0.024	0.031	1.59	0.00 - 0.50
5B-00085	20211	Cd-113m	1 U	42	13	3030	0.00 - 0.50
5B-00085	20211	Cm-243/244	-0.002 U	0.014	0.0031	0.0443	0.00 - 0.50
5B-00085	20211	Cm-245/246	0.002 U J	0.0027	0.0014	0.0401	0.00 - 0.50
5B-00085	20211	Cm-247/248	0.001 U J	0.0026	0.001	0.0306	0.00 - 0.50
5B-00085	20211	Co-60	-0.004 U	0.017	0.0051	0.028	0.00 - 0.50
5B-00085	20211	Cs-134	0.0077 U	0.059	0.0027	0.0864	0.00 - 0.50
5B-00085	20211	Cs-137	0.0032 U	0.016	0.0046	0.207	0.00 - 0.50
5B-00085	20211	Eu-152	0.0003 U	0.038	0.011	0.0566	0.00 - 0.50
5B-00085	20211	Eu-154	-0.024 U	0.089	0.027	0.15	0.00 - 0.50
5B-00085	20211	Eu-155	0.078 SK	0.048	0.021	0.231	0.00 - 0.50
5B-00085	20211	Ho-166m	0.0001 U	0.024	0.0002	0.0432	0.00 - 0.50
5B-00085	20211	K-40	17.7	0.11	0.54	32.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00085	20211	Na-22	-0.004 U	0.022	0.0065	0.037	0.00 - 0.50
5B-00085	20211	Nb-94	0.0032 U	0.013	0.0038	0.0214	0.00 - 0.50
5B-00085	20211	Np-236	0.0034 U	0.03	0.0091	0.047	0.00 - 0.50
5B-00085	20211	Np-239	0.087	0.081	0.037	0.139	0.00 - 0.50
5B-00085	20211	Pa-231	0.02 U	0.63	0.07	0.936	0.00 - 0.50
5B-00085	20211	Pb-212	1.46	0.024	0.044	2.69	0.00 - 0.50
5B-00085	20211	Pb-214	0.958	0.027	0.041	1.7	0.00 - 0.50
5B-00085	20211	Pu-236	0.0006 U	0.0015	0.0006	7.79	0.00 - 0.50
5B-00085	20211	Pu-238	-0.002 U	0.006	0.0011	0.0415	0.00 - 0.50
5B-00085	20211	Pu-239/240	0.0006 U	0.0015	0.0006	0.0404	0.00 - 0.50
5B-00085	20211	Pu-244	0.0006 U	0.0041	0.001	0.0313	0.00 - 0.50
5B-00085	20211	Sb-125	0.138 SK	0.043	0.012	0.354	0.00 - 0.50
5B-00085	20211	Sn-126	0.0043 U	0.014	0.0043	0.0237	0.00 - 0.50
5B-00085	20211	Sr-90	0 U	0.035	0.0099	0.485	0.00 - 0.50
5B-00085	20211	Te-125m	0.0319 SK	0.0099	0.0027	0.0838	0.00 - 0.50
5B-00085	20211	Th-228	1.26	0.014	0.063	3.98	0.00 - 0.50
5B-00085	20211	Th-229	0.0036	0.0024	0.0018	0.145	0.00 - 0.50
5B-00085	20211	Th-230	0.973	0.012	0.051	2.2	0.00 - 0.50
5B-00085	20211	Th-232	1.27	0.009	0.064	3.1	0.00 - 0.50
5B-00085	20211	Th-234	1.39	0.2	0.078	3.19	0.00 - 0.50
5B-00085	20211	Tl-208	0.463	0.015	0.017	0.937	0.00 - 0.50
5B-00085	20211	Tm-171	-10.6 R U	9.5	2.9	72.4	0.00 - 0.50
5B-00085	20211	U-233/234	0.716	0.008	0.041	2.02	0.00 - 0.50
5B-00085	20211	U-235/236	0.0418	0.01	0.0081	0.151	0.00 - 0.50
5B-00085	20211	U-238	0.724	0.01	0.042	1.8	0.00 - 0.50
5B-00086	20212	Ac-227	0.048	0.087	0.025	0.217	1.00 - 5.00
5B-00086	20212	Ac-228	1.45	0.054	0.049	2.4	1.00 - 5.00
5B-00086	20212	Am-241	0 U	0.0094	0.0019	0.0454	1.00 - 5.00
5B-00086	20212	Bi-212	1.07	0.095	0.062	2.15	1.00 - 5.00
5B-00086	20212	Bi-214	0.745	0.019	0.028	1.59	1.00 - 5.00
5B-00086	20212	Cd-113m	-4 U	34	10	3030	1.00 - 5.00
5B-00086	20212	Cm-243/244	0.0013 U	0.0034	0.0013	0.0443	1.00 - 5.00
5B-00086	20212	Cm-245/246	0.0021 U J	0.0078	0.0022	0.0401	1.00 - 5.00
5B-00086	20212	Cm-247/248	0 U	0.0028	0.0012	0.0306	1.00 - 5.00
5B-00086	20212	Co-60	-3E-04 U	0.012	0.0034	0.028	1.00 - 5.00
5B-00086	20212	Cs-134	0.0167 SK	0.033	0.0047	0.0864	1.00 - 5.00
5B-00086	20212	Cs-137	-0.004 U	0.012	0.0038	0.207	1.00 - 5.00
5B-00086	20212	Eu-152	0.016	0.031	0.012	0.0566	1.00 - 5.00
5B-00086	20212	Eu-154	0.02 U	0.072	0.019	0.15	1.00 - 5.00
5B-00086	20212	Eu-155	0.082 SK	0.028	0.011	0.231	1.00 - 5.00
5B-00086	20212	Ho-166m	0.0012 U	0.019	0.0012	0.0432	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00086	20212	K-40	20.5	0.14	0.68	32.4	1.00 - 5.00
5B-00086	20212	Na-22	0.0031 U	0.017	0.005	0.037	1.00 - 5.00
5B-00086	20212	Nb-94	0.0055 SK	0.01	0.0031	0.0214	1.00 - 5.00
5B-00086	20212	Np-236	0.0055 U	0.026	0.0078	0.047	1.00 - 5.00
5B-00086	20212	Np-239	0.003 U	0.076	0.023	0.139	1.00 - 5.00
5B-00086	20212	Pa-231	0.003 U	0.48	0.14	0.936	1.00 - 5.00
5B-00086	20212	Pb-212	1.75	0.024	0.092	2.69	1.00 - 5.00
5B-00086	20212	Pb-214	0.881	0.021	0.033	1.7	1.00 - 5.00
5B-00086	20212	Pu-236	0.0014 U	0.0073	0.0018	7.79	1.00 - 5.00
5B-00086	20212	Pu-238	0.0064	0.01	0.0035	0.0415	1.00 - 5.00
5B-00086	20212	Pu-239/240	0.0011 U	0.011	0.0028	0.0404	1.00 - 5.00
5B-00086	20212	Pu-244	0.0022 U	0.003	0.0016	0.0313	1.00 - 5.00
5B-00086	20212	Sb-125	0.165 JSK	0.032	0.01	0.354	1.00 - 5.00
5B-00086	20212	Sn-126	0.0009 U	0.012	0.0035	0.0237	1.00 - 5.00
5B-00086	20212	Sr-90	-0.006 U	0.032	0.0091	0.485	1.00 - 5.00
5B-00086	20212	Te-125m	0.038 JSK	0.0073	0.0024	0.0838	1.00 - 5.00
5B-00086	20212	Th-228	1.51	0.024	0.077	3.98	1.00 - 5.00
5B-00086	20212	Th-229	0.0112	0.0075	0.0037	0.145	1.00 - 5.00
5B-00086	20212	Th-230	0.89	0.016	0.05	2.2	1.00 - 5.00
5B-00086	20212	Th-232	1.52	0.011	0.077	3.1	1.00 - 5.00
5B-00086	20212	Th-234	0.395	0.14	0.045	3.19	1.00 - 5.00
5B-00086	20212	Tl-208	0.548	0.012	0.02	0.937	1.00 - 5.00
5B-00086	20212	Tm-171	3.2	4.6	1.8	72.4	1.00 - 5.00
5B-00086	20212	U-233/234	0.745	0.009	0.04	2.02	1.00 - 5.00
5B-00086	20212	U-235/236	0.0469	0.0075	0.0073	0.151	1.00 - 5.00
5B-00086	20212	U-238	0.727	0.002	0.039	1.8	1.00 - 5.00
5B-00086	20213	Ac-227	0.027 U	0.11	0.026	0.217	0.00 - 0.50
5B-00086	20213	Ac-228	1.2	0.087	0.045	2.4	0.00 - 0.50
5B-00086	20213	Am-241	-0.001 U	0.013	0.003	0.0454	0.00 - 0.50
5B-00086	20213	Bi-212	1.06	0.12	0.077	2.15	0.00 - 0.50
5B-00086	20213	Bi-214	0.972	0.024	0.037	1.59	0.00 - 0.50
5B-00086	20213	Cd-113m	0.8 U	37	11	3030	0.00 - 0.50
5B-00086	20213	Cm-243/244	-0.009 U J	0.021	0.0048	0.0443	0.00 - 0.50
5B-00086	20213	Cm-245/246	0 U J	0.0066	0.0014	0.0401	0.00 - 0.50
5B-00086	20213	Cm-247/248	0.0009 U J	0.0024	0.0009	0.0306	0.00 - 0.50
5B-00086	20213	Co-60	-0.001 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00086	20213	Cs-134	0.0186 U	0.04	0.0053	0.0864	0.00 - 0.50
5B-00086	20213	Cs-137	0.0108	0.011	0.0048	0.207	0.00 - 0.50
5B-00086	20213	Eu-152	-0.001 U	0.033	0.01	0.0566	0.00 - 0.50
5B-00086	20213	Eu-154	-0.002 U	0.063	0.0045	0.15	0.00 - 0.50
5B-00086	20213	Eu-155	0.066 SK	0.032	0.013	0.231	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00086	20213	Ho-166m	0.0151 SK	0.021	0.007	0.0432	0.00 - 0.50
5B-00086	20213	K-40	22.3	0.15	0.74	32.4	0.00 - 0.50
5B-00086	20213	Na-22	-0.006 U	0.019	0.0058	0.037	0.00 - 0.50
5B-00086	20213	Nb-94	-0.003 U	0.01	0.0031	0.0214	0.00 - 0.50
5B-00086	20213	Np-236	0.0091 U	0.028	0.0086	0.047	0.00 - 0.50
5B-00086	20213	Np-239	0.011 U	0.081	0.024	0.139	0.00 - 0.50
5B-00086	20213	Pa-231	0.11 U	0.47	0.14	0.936	0.00 - 0.50
5B-00086	20213	Pb-212	1.6	0.023	0.084	2.69	0.00 - 0.50
5B-00086	20213	Pb-214	1.07	0.024	0.04	1.7	0.00 - 0.50
5B-00086	20213	Pu-236	0.0014 U	0.0044	0.0013	7.79	0.00 - 0.50
5B-00086	20213	Pu-238	0 U	0.0062	0.0016	0.0415	0.00 - 0.50
5B-00086	20213	Pu-239/240	0 U	0.0013	0.0005	0.0404	0.00 - 0.50
5B-00086	20213	Pu-244	0.0014	0.0013	0.0008	0.0313	0.00 - 0.50
5B-00086	20213	Sb-125	0.1 RSK	0.035	0.008	0.354	0.00 - 0.50
5B-00086	20213	Sn-126	0.0003 U	0.013	0.0038	0.0237	0.00 - 0.50
5B-00086	20213	Sr-90	0.033	0.059	0.018	0.485	0.00 - 0.50
5B-00086	20213	Te-125m	0.0232 RSK	0.0081	0.0018	0.0838	0.00 - 0.50
5B-00086	20213	Th-228	1.31	0.033	0.069	3.98	0.00 - 0.50
5B-00086	20213	Th-229	0.0055	0.0081	0.003	0.145	0.00 - 0.50
5B-00086	20213	Th-230	0.954	0.004	0.053	2.2	0.00 - 0.50
5B-00086	20213	Th-232	1.3	0.004	0.068	3.1	0.00 - 0.50
5B-00086	20213	Th-234	1.58	0.14	0.089	3.19	0.00 - 0.50
5B-00086	20213	Tl-208	0.486	0.015	0.019	0.937	0.00 - 0.50
5B-00086	20213	Tm-171	-2.9 U	5.9	1.8	72.4	0.00 - 0.50
5B-00086	20213	U-233/234	0.844 J	0.005	0.053	2.02	0.00 - 0.50
5B-00086	20213	U-235/236	0.056 J	0.006	0.012	0.151	0.00 - 0.50
5B-00086	20213	U-238	0.939 J	0.02	0.058	1.8	0.00 - 0.50
5B-00087	20214	Ac-227	0.025 U	0.14	0.045	0.217	1.00 - 4.00
5B-00087	20214	Ac-228	1.12	0.093	0.047	2.4	1.00 - 4.00
5B-00087	20214	Am-241	0.0035	0.0024	0.0018	0.0454	1.00 - 4.00
5B-00087	20214	Bi-212	1.03	0.14	0.084	2.15	1.00 - 4.00
5B-00087	20214	Bi-214	0.803	0.024	0.029	1.59	1.00 - 4.00
5B-00087	20214	Cd-113m	0.7 U	39	12	3030	1.00 - 4.00
5B-00087	20214	Cm-243/244	0 U	0.0024	0.001	0.0443	1.00 - 4.00
5B-00087	20214	Cm-245/246	0 U	0.0022	0.0009	0.0401	1.00 - 4.00
5B-00087	20214	Cm-247/248	0.0024	0.0021	0.0014	0.0306	1.00 - 4.00
5B-00087	20214	Co-60	0.0023 U	0.02	0.005	0.028	1.00 - 4.00
5B-00087	20214	Cs-134	0.006 U	0.051	0.0022	0.0864	1.00 - 4.00
5B-00087	20214	Cs-137	-0.002 U	0.015	0.0044	0.207	1.00 - 4.00
5B-00087	20214	Eu-152	0.002 U	0.037	0.011	0.0566	1.00 - 4.00
5B-00087	20214	Eu-154	0.013 U	0.1	0.024	0.15	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00087	20214	Eu-155	0.083 SK	0.032	0.013	0.231	1.00 - 4.00
5B-00087	20214	Ho-166m	-0.006 U	0.026	0.0077	0.0432	1.00 - 4.00
5B-00087	20214	K-40	20.1	0.13	0.61	32.4	1.00 - 4.00
5B-00087	20214	Na-22	0.0001 U	0.026	0.0076	0.037	1.00 - 4.00
5B-00087	20214	Nb-94	0.0029 U	0.014	0.0043	0.0214	1.00 - 4.00
5B-00087	20214	Np-236	-0.009 U	0.03	0.0092	0.047	1.00 - 4.00
5B-00087	20214	Np-239	-2E-04 U	0.084	0.025	0.139	1.00 - 4.00
5B-00087	20214	Pa-231	0.05 U	0.58	0.17	0.936	1.00 - 4.00
5B-00087	20214	Pb-212	1.53	0.023	0.062	2.69	1.00 - 4.00
5B-00087	20214	Pb-214	0.887	0.028	0.032	1.7	1.00 - 4.00
5B-00087	20214	Pu-236	0.0003 U	0.0044	0.0009	7.79	1.00 - 4.00
5B-00087	20214	Pu-238	0.0037	0.002	0.0017	0.0415	1.00 - 4.00
5B-00087	20214	Pu-239/240	0.0006 U	0.0054	0.0013	0.0404	1.00 - 4.00
5B-00087	20214	Pu-244	0.0037	0.002	0.0017	0.0313	1.00 - 4.00
5B-00087	20214	Sb-125	0.117 JSK	0.042	0.0092	0.354	1.00 - 4.00
5B-00087	20214	Sn-126	-0.005 U	0.015	0.0044	0.0237	1.00 - 4.00
5B-00087	20214	Sr-90	0.017 U	0.032	0.0098	0.485	1.00 - 4.00
5B-00087	20214	Te-125m	0.0269 JSK	0.0097	0.0021	0.0838	1.00 - 4.00
5B-00087	20214	Th-228	1.21	0.018	0.062	3.98	1.00 - 4.00
5B-00087	20214	Th-229	0.0056	0.0086	0.003	0.145	1.00 - 4.00
5B-00087	20214	Th-230	0.831	0.007	0.045	2.2	1.00 - 4.00
5B-00087	20214	Th-232	1.19	0.003	0.06	3.1	1.00 - 4.00
5B-00087	20214	Th-234	1.31 R	0.14	0.078	3.19	1.00 - 4.00
5B-00087	20214	Tl-208	0.484	0.018	0.018	0.937	1.00 - 4.00
5B-00087	20214	Tm-171	0.9 U	4.5	1.3	72.4	1.00 - 4.00
5B-00087	20214	U-233/234	0.74	0.006	0.039	2.02	1.00 - 4.00
5B-00087	20214	U-235/236	0.0358	0.011	0.0066	0.151	1.00 - 4.00
5B-00087	20214	U-238	0.705	0.002	0.038	1.8	1.00 - 4.00
5B-00087	20215	Ac-227	0.038 U	0.15	0.062	0.217	0.00 - 0.50
5B-00087	20215	Ac-228	1.28	0.088	0.047	2.4	0.00 - 0.50
5B-00087	20215	Am-241	0.0024	0.0045	0.0015	0.0454	0.00 - 0.50
5B-00087	20215	Bi-212	1.11	0.16	0.098	2.15	0.00 - 0.50
5B-00087	20215	Bi-214	0.913	0.03	0.034	1.59	0.00 - 0.50
5B-00087	20215	Cd-113m	5 U	43	13	3030	0.00 - 0.50
5B-00087	20215	Cm-243/244	-0.001 U	0.0056	0.001	0.0443	0.00 - 0.50
5B-00087	20215	Cm-245/246	0.0015 U J	0.002	0.001	0.0401	0.00 - 0.50
5B-00087	20215	Cm-247/248	0 U J	0.0019	0.0008	0.0306	0.00 - 0.50
5B-00087	20215	Co-60	0.019	0.016	0.0077	0.028	0.00 - 0.50
5B-00087	20215	Cs-134	0.002 U	0.019	0.0007	0.0864	0.00 - 0.50
5B-00087	20215	Cs-137	0.0134	0.02	0.0078	0.207	0.00 - 0.50
5B-00087	20215	Eu-152	0.009 U	0.039	0.012	0.0566	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00087	20215	Eu-154	0.0013 U	0.12	0.0018	0.15	0.00 - 0.50
5B-00087	20215	Eu-155	0.04 SK	0.035	0.011	0.231	0.00 - 0.50
5B-00087	20215	Ho-166m	0.008 U	0.029	0.0052	0.0432	0.00 - 0.50
5B-00087	20215	K-40	19.3	0.14	0.59	32.4	0.00 - 0.50
5B-00087	20215	Na-22	0.0046 U	0.028	0.0084	0.037	0.00 - 0.50
5B-00087	20215	Nb-94	0.0034 U	0.016	0.0047	0.0214	0.00 - 0.50
5B-00087	20215	Np-236	-0.007 U	0.03	0.0092	0.047	0.00 - 0.50
5B-00087	20215	Np-239	-3E-04 U	0.095	0.029	0.139	0.00 - 0.50
5B-00087	20215	Pa-231	-0.15 U	0.53	0.16	0.936	0.00 - 0.50
5B-00087	20215	Pb-212	1.59	0.028	0.065	2.69	0.00 - 0.50
5B-00087	20215	Pb-214	1.01	0.028	0.035	1.7	0.00 - 0.50
5B-00087	20215	Pu-236	-5E-04 U	0.005	0.001	7.79	0.00 - 0.50
5B-00087	20215	Pu-238	0.0011 U	0.004	0.0011	0.0415	0.00 - 0.50
5B-00087	20215	Pu-239/240	0 U	0.0015	0.0006	0.0404	0.00 - 0.50
5B-00087	20215	Pu-244	0.0016	0.0015	0.0009	0.0313	0.00 - 0.50
5B-00087	20215	Sb-125	0.138 SK	0.046	0.013	0.354	0.00 - 0.50
5B-00087	20215	Sn-126	0.003 U	0.017	0.0052	0.0237	0.00 - 0.50
5B-00087	20215	Sr-90	-0.004 U	0.036	0.01	0.485	0.00 - 0.50
5B-00087	20215	Te-125m	0.0319 SK	0.011	0.003	0.0838	0.00 - 0.50
5B-00087	20215	Th-228	1.19	0.015	0.06	3.98	0.00 - 0.50
5B-00087	20215	Th-229	0.0104	0.0077	0.0037	0.145	0.00 - 0.50
5B-00087	20215	Th-230	0.856	0.01	0.045	2.2	0.00 - 0.50
5B-00087	20215	Th-232	1.19	0.002	0.06	3.1	0.00 - 0.50
5B-00087	20215	Th-234	0.562	0.17	0.056	3.19	0.00 - 0.50
5B-00087	20215	Tl-208	0.488	0.021	0.02	0.937	0.00 - 0.50
5B-00087	20215	Tm-171	-0.5 U	6.2	1.9	72.4	0.00 - 0.50
5B-00087	20215	U-233/234	0.718	0.002	0.036	2.02	0.00 - 0.50
5B-00087	20215	U-235/236	0.0346	0.002	0.0052	0.151	0.00 - 0.50
5B-00087	20215	U-238	0.764	0.006	0.038	1.8	0.00 - 0.50
5B-00088	20216	Ac-227	0.056 U	0.14	0.049	0.217	1.00 - 4.00
5B-00088	20216	Ac-228	1.23	0.083	0.043	2.4	1.00 - 4.00
5B-00088	20216	Am-241	0.0007 U	0.0084	0.0022	0.0454	1.00 - 4.00
5B-00088	20216	Bi-212	0.962	0.12	0.065	2.15	1.00 - 4.00
5B-00088	20216	Bi-214	0.907	0.026	0.032	1.59	1.00 - 4.00
5B-00088	20216	Cd-113m	-5 U	41	12	3030	1.00 - 4.00
5B-00088	20216	Cm-243/244	0 U	0.0019	0.0008	0.0443	1.00 - 4.00
5B-00088	20216	Cm-245/246	0 U	0.0013	0.0006	0.0401	1.00 - 4.00
5B-00088	20216	Cm-247/248	0 U	0.0036	0.0007	0.0306	1.00 - 4.00
5B-00088	20216	Co-60	0.0019 U	0.019	0.0056	0.028	1.00 - 4.00
5B-00088	20216	Cs-134	0.0135 SK	0.017	0.0043	0.0864	1.00 - 4.00
5B-00088	20216	Cs-137	0.0118	0.018	0.007	0.207	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00088	20216	Eu-152	0.0037 U	0.038	0.0047	0.0566	1.00 - 4.00
5B-00088	20216	Eu-154	0.003 U	0.1	0.031	0.15	1.00 - 4.00
5B-00088	20216	Eu-155	0.091 SK	0.032	0.013	0.231	1.00 - 4.00
5B-00088	20216	Ho-166m	0.0087 U	0.026	0.0075	0.0432	1.00 - 4.00
5B-00088	20216	K-40	19.6	0.13	0.6	32.4	1.00 - 4.00
5B-00088	20216	Na-22	0 U	0.026	0.0049	0.037	1.00 - 4.00
5B-00088	20216	Nb-94	0.008 SK	0.015	0.0045	0.0214	1.00 - 4.00
5B-00088	20216	Np-236	-5E-04 U	0.026	0.0077	0.047	1.00 - 4.00
5B-00088	20216	Np-239	0.009 U	0.089	0.027	0.139	1.00 - 4.00
5B-00088	20216	Pa-231	-0.15 U	0.58	0.17	0.936	1.00 - 4.00
5B-00088	20216	Pb-212	1.58	0.023	0.064	2.69	1.00 - 4.00
5B-00088	20216	Pb-214	0.979	0.027	0.034	1.7	1.00 - 4.00
5B-00088	20216	Pu-236	-5E-04 U	0.0056	0.001	7.79	1.00 - 4.00
5B-00088	20216	Pu-238	0.0024	0.0062	0.0019	0.0415	1.00 - 4.00
5B-00088	20216	Pu-239/240	0.0019	0.0049	0.0015	0.0404	1.00 - 4.00
5B-00088	20216	Pu-244	0.0027	0.0018	0.0014	0.0313	1.00 - 4.00
5B-00088	20216	Sb-125	0.129 JSK	0.043	0.011	0.354	1.00 - 4.00
5B-00088	20216	Sn-126	-7E-04 U	0.017	0.005	0.0237	1.00 - 4.00
5B-00088	20216	Sr-90	0.004 U	0.031	0.009	0.485	1.00 - 4.00
5B-00088	20216	Te-125m	0.0299 JSK	0.01	0.0025	0.0838	1.00 - 4.00
5B-00088	20216	Th-228	1.23	0.02	0.063	3.98	1.00 - 4.00
5B-00088	20216	Th-229	0.0193	0.0071	0.0046	0.145	1.00 - 4.00
5B-00088	20216	Th-230	0.891	0.009	0.048	2.2	1.00 - 4.00
5B-00088	20216	Th-232	1.28	0.003	0.064	3.1	1.00 - 4.00
5B-00088	20216	Th-234	0.605 R	0.15	0.053	3.19	1.00 - 4.00
5B-00088	20216	Tl-208	0.478	0.017	0.018	0.937	1.00 - 4.00
5B-00088	20216	Tm-171	2.6 U	5.7	1.7	72.4	1.00 - 4.00
5B-00088	20216	U-233/234	0.79	0.008	0.042	2.02	1.00 - 4.00
5B-00088	20216	U-235/236	0.0501	0.0077	0.0077	0.151	1.00 - 4.00
5B-00088	20216	U-238	0.768	0.006	0.041	1.8	1.00 - 4.00
5B-00089	20217	Ac-227	0.043 U	0.13	0.038	0.217	1.00 - 5.00
5B-00089	20217	Ac-228	1.14	0.073	0.04	2.4	1.00 - 5.00
5B-00089	20217	Am-241	0 U	0.0093	0.0019	0.0454	1.00 - 5.00
5B-00089	20217	Bi-212	0.91	0.12	0.069	2.15	1.00 - 5.00
5B-00089	20217	Bi-214	0.875	0.025	0.031	1.59	1.00 - 5.00
5B-00089	20217	Cd-113m	0.2 U	36	11	3030	1.00 - 5.00
5B-00089	20217	Cm-243/244	-0.001 U	0.0091	0.0014	0.0443	1.00 - 5.00
5B-00089	20217	Cm-245/246	0 U J	0.0081	0.0017	0.0401	1.00 - 5.00
5B-00089	20217	Cm-247/248	0 U	0.0029	0.0012	0.0306	1.00 - 5.00
5B-00089	20217	Co-60	0.0019 U	0.017	0.0051	0.028	1.00 - 5.00
5B-00089	20217	Cs-134	0.0131 U	0.048	0.0038	0.0864	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00089	20217	Cs-137	-2E-04 U	0.018	0.0053	0.207	1.00 - 5.00
5B-00089	20217	Eu-152	-0.003 U	0.032	0.0032	0.0566	1.00 - 5.00
5B-00089	20217	Eu-154	-0.003 U	0.097	0.029	0.15	1.00 - 5.00
5B-00089	20217	Eu-155	0.074 SK	0.031	0.012	0.231	1.00 - 5.00
5B-00089	20217	Ho-166m	0.0274 SK	0.023	0.0038	0.0432	1.00 - 5.00
5B-00089	20217	K-40	18.1	0.12	0.55	32.4	1.00 - 5.00
5B-00089	20217	Na-22	0.0001 U	0.023	0.0067	0.037	1.00 - 5.00
5B-00089	20217	Nb-94	0.0019 U	0.013	0.0029	0.0214	1.00 - 5.00
5B-00089	20217	Np-236	-0.007 U	0.029	0.0089	0.047	1.00 - 5.00
5B-00089	20217	Np-239	0.015 U	0.08	0.024	0.139	1.00 - 5.00
5B-00089	20217	Pa-231	0.15 U	0.53	0.11	0.936	1.00 - 5.00
5B-00089	20217	Pb-212	1.52	0.022	0.062	2.69	1.00 - 5.00
5B-00089	20217	Pb-214	0.975	0.023	0.033	1.7	1.00 - 5.00
5B-00089	20217	Pu-236	0.0008 U	0.0022	0.0008	7.79	1.00 - 5.00
5B-00089	20217	Pu-238	0.0028	0.0049	0.0017	0.0415	1.00 - 5.00
5B-00089	20217	Pu-239/240	0.0025	0.0022	0.0014	0.0404	1.00 - 5.00
5B-00089	20217	Pu-244	0.0024	0.0022	0.0014	0.0313	1.00 - 5.00
5B-00089	20217	Sb-125	0.102 JSK	0.037	0.0082	0.354	1.00 - 5.00
5B-00089	20217	Sn-126	0.0053 U	0.015	0.0045	0.0237	1.00 - 5.00
5B-00089	20217	Sr-90	-0.015 U	0.033	0.0094	0.485	1.00 - 5.00
5B-00089	20217	Te-125m	0.0237 JSK	0.0085	0.0019	0.0838	1.00 - 5.00
5B-00089	20217	Th-228	1.21	0.025	0.063	3.98	1.00 - 5.00
5B-00089	20217	Th-229	0.0012 U	0.012	0.0032	0.145	1.00 - 5.00
5B-00089	20217	Th-230	0.86	0.008	0.048	2.2	1.00 - 5.00
5B-00089	20217	Th-232	1.18	0.008	0.062	3.1	1.00 - 5.00
5B-00089	20217	Th-234	0.333	0.14	0.046	3.19	1.00 - 5.00
5B-00089	20217	Tl-208	0.467	0.018	0.018	0.937	1.00 - 5.00
5B-00089	20217	Tm-171	-0.06 U	5.9	1.8	72.4	1.00 - 5.00
5B-00089	20217	U-233/234	0.759	0.018	0.044	2.02	1.00 - 5.00
5B-00089	20217	U-235/236	0.0465	0.0042	0.0087	0.151	1.00 - 5.00
5B-00089	20217	U-238	0.761	0.003	0.044	1.8	1.00 - 5.00
5B-00089	20218	Ac-227	0.028 U	0.12	0.018	0.217	0.00 - 0.50
5B-00089	20218	Ac-228	1.19	0.064	0.042	2.4	0.00 - 0.50
5B-00089	20218	Am-241	-0.001 U	0.011	0.0025	0.0454	0.00 - 0.50
5B-00089	20218	Bi-212	0.912	0.096	0.058	2.15	0.00 - 0.50
5B-00089	20218	Bi-214	0.709	0.021	0.028	1.59	0.00 - 0.50
5B-00089	20218	Cd-113m	-4 U	35	11	3030	0.00 - 0.50
5B-00089	20218	Cm-243/244	-0.005 U	0.021	0.0056	0.0443	0.00 - 0.50
5B-00089	20218	Cm-245/246	0.0007 U	0.0052	0.0013	0.0401	0.00 - 0.50
5B-00089	20218	Cm-247/248	0 U	0.0051	0.001	0.0306	0.00 - 0.50
5B-00089	20218	Co-60	0.0003 U	0.016	0.0047	0.028	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00089	20218	Cs-134	0.0154 U	0.043	0.0037	0.0864	0.00 - 0.50
5B-00089	20218	Cs-137	-0.003 U	0.011	0.0033	0.207	0.00 - 0.50
5B-00089	20218	Eu-152	0.01	0.02	0.0062	0.0566	0.00 - 0.50
5B-00089	20218	Eu-154	0.038	0.063	0.019	0.15	0.00 - 0.50
5B-00089	20218	Eu-155	0.081 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00089	20218	Ho-166m	0.0034 U	0.02	0.0068	0.0432	0.00 - 0.50
5B-00089	20218	K-40	19.9	0.14	0.66	32.4	0.00 - 0.50
5B-00089	20218	Na-22	0 U	0.02	0.006	0.037	0.00 - 0.50
5B-00089	20218	Nb-94	0.0005 U	0.01	0.003	0.0214	0.00 - 0.50
5B-00089	20218	Np-236	-0.007 U	0.027	0.0082	0.047	0.00 - 0.50
5B-00089	20218	Np-239	0.0002 U	0.077	0.023	0.139	0.00 - 0.50
5B-00089	20218	Pa-231	-0.12 U	0.51	0.15	0.936	0.00 - 0.50
5B-00089	20218	Pb-212	1.53	0.02	0.081	2.69	0.00 - 0.50
5B-00089	20218	Pb-214	0.795	0.022	0.03	1.7	0.00 - 0.50
5B-00089	20218	Pu-236	-0.001 U	0.005	0.0009	7.79	0.00 - 0.50
5B-00089	20218	Pu-238	-0.002 U	0.0058	0.001	0.0415	0.00 - 0.50
5B-00089	20218	Pu-239/240	-5E-04 U	0.004	0.0006	0.0404	0.00 - 0.50
5B-00089	20218	Pu-244	0.0005 U	0.0015	0.0005	0.0313	0.00 - 0.50
5B-00089	20218	Sb-125	0.145 SK	0.035	0.01	0.354	0.00 - 0.50
5B-00089	20218	Sn-126	-4E-04 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00089	20218	Sr-90	0.0005 U	0.045	0.013	0.485	0.00 - 0.50
5B-00089	20218	Te-125m	0.0334 SK	0.008	0.0024	0.0838	0.00 - 0.50
5B-00089	20218	Th-228	1.37	0.019	0.071	3.98	0.00 - 0.50
5B-00089	20218	Th-229	0.0059	0.011	0.0035	0.145	0.00 - 0.50
5B-00089	20218	Th-230	0.909	0.009	0.051	2.2	0.00 - 0.50
5B-00089	20218	Th-232	1.39	0.012	0.072	3.1	0.00 - 0.50
5B-00089	20218	Th-234	1.43	0.13	0.084	3.19	0.00 - 0.50
5B-00089	20218	Tl-208	0.464	0.015	0.018	0.937	0.00 - 0.50
5B-00089	20218	Tm-171	-1.5 U	5.4	1.6	72.4	0.00 - 0.50
5B-00089	20218	U-233/234	0.709	0.002	0.038	2.02	0.00 - 0.50
5B-00089	20218	U-235/236	0.0239	0.0077	0.0053	0.151	0.00 - 0.50
5B-00089	20218	U-238	0.703	0.002	0.038	1.8	0.00 - 0.50
5B-00090	20219	Ac-227	0.046 U	0.14	0.043	0.217	1.00 - 3.50
5B-00090	20219	Ac-228	1.17	0.089	0.042	2.4	1.00 - 3.50
5B-00090	20219	Am-241	0.016	0.0023	0.0038	0.0454	1.00 - 3.50
5B-00090	20219	Bi-212	1.11	0.14	0.088	2.15	1.00 - 3.50
5B-00090	20219	Bi-214	0.791	0.024	0.029	1.59	1.00 - 3.50
5B-00090	20219	Cd-113m	-2 U	38	11	3030	1.00 - 3.50
5B-00090	20219	Cm-243/244	0.0008 U	0.0022	0.0008	0.0443	1.00 - 3.50
5B-00090	20219	Cm-245/246	0.0054 J	0.0095	0.0034	0.0401	1.00 - 3.50
5B-00090	20219	Cm-247/248	0.0031 U	0.0042	0.0022	0.0306	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00090	20219	Co-60	-0.006 U	0.018	0.0054	0.028	1.00 - 3.50
5B-00090	20219	Cs-134	0.0103 U J	0.057	0.0032	0.0864	1.00 - 3.50
5B-00090	20219	Cs-137	0.0029 U	0.016	0.0048	0.207	1.00 - 3.50
5B-00090	20219	Eu-152	0.0058 U	0.025	0.0075	0.0566	1.00 - 3.50
5B-00090	20219	Eu-154	0.012 U	0.098	0.015	0.15	1.00 - 3.50
5B-00090	20219	Eu-155	0.103 SK	0.047	0.021	0.231	1.00 - 3.50
5B-00090	20219	Ho-166m	0.0023 U J	0.024	0.0037	0.0432	1.00 - 3.50
5B-00090	20219	K-40	19.7	0.11	0.59	32.4	1.00 - 3.50
5B-00090	20219	Na-22	0.03 L	0.018	0.0094	0.037	1.00 - 3.50
5B-00090	20219	Nb-94	0.0032 U	0.014	0.0041	0.0214	1.00 - 3.50
5B-00090	20219	Np-236	0.0002 U	0.028	0.0084	0.047	1.00 - 3.50
5B-00090	20219	Np-239	0.014 U	0.091	0.027	0.139	1.00 - 3.50
5B-00090	20219	Pa-231	0.08 U	0.61	0.18	0.936	1.00 - 3.50
5B-00090	20219	Pb-212	1.32	0.033	0.043	2.69	1.00 - 3.50
5B-00090	20219	Pb-214	0.836	0.027	0.037	1.7	1.00 - 3.50
5B-00090	20219	Pu-236	-0.003 U	0.0091	0.0018	7.79	1.00 - 3.50
5B-00090	20219	Pu-238	0.0011 U	0.0065	0.0017	0.0415	1.00 - 3.50
5B-00090	20219	Pu-239/240	0.0006 U	0.0051	0.0012	0.0404	1.00 - 3.50
5B-00090	20219	Pu-244	0.001 U	0.0042	0.0011	0.0313	1.00 - 3.50
5B-00090	20219	Sb-125	0.109 SK	0.042	0.0089	0.354	1.00 - 3.50
5B-00090	20219	Sn-126	0 U	0.017	0.0042	0.0237	1.00 - 3.50
5B-00090	20219	Sr-90	0.022	0.037	0.011	0.485	1.00 - 3.50
5B-00090	20219	Te-125m	0.0251 SK	0.0098	0.0021	0.0838	1.00 - 3.50
5B-00090	20219	Th-228	1.21	0.016	0.06	3.98	1.00 - 3.50
5B-00090	20219	Th-229	0.0222	0.009	0.0056	0.145	1.00 - 3.50
5B-00090	20219	Th-230	0.906	0.011	0.047	2.2	1.00 - 3.50
5B-00090	20219	Th-232	1.23	0.008	0.061	3.1	1.00 - 3.50
5B-00090	20219	Th-234	1.24 R	0.2	0.076	3.19	1.00 - 3.50
5B-00090	20219	Tl-208	0.46	0.014	0.017	0.937	1.00 - 3.50
5B-00090	20219	Tm-171	-0.6 U	11	3.2	72.4	1.00 - 3.50
5B-00090	20219	U-233/234	0.659	0.001	0.033	2.02	1.00 - 3.50
5B-00090	20219	U-233/234	0.715	0.001	0.036	2.02	1.00 - 3.50
5B-00090	20219	U-235/236	0.0428	0.0018	0.0056	0.151	1.00 - 3.50
5B-00090	20219	U-235/236	0.0395	0.0017	0.0052	0.151	1.00 - 3.50
5B-00090	20219	U-238	0.724	0.004	0.036	1.8	1.00 - 3.50
5B-00090	20219	U-238	0.784	0.004	0.039	1.8	1.00 - 3.50
5B-00091	20220	Ac-227	0.126	0.093	0.033	0.217	1.00 - 5.00
5B-00091	20220	Ac-228	1.17	0.096	0.043	2.4	1.00 - 5.00
5B-00091	20220	Am-241	0.0006 U	0.0016	0.0006	0.0454	1.00 - 5.00
5B-00091	20220	Bi-212	0.938	0.14	0.075	2.15	1.00 - 5.00
5B-00091	20220	Bi-214	0.85	0.027	0.031	1.59	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00091	20220	Cd-113m	-6 U	40	12	3030	1.00 - 5.00
5B-00091	20220	Cm-243/244	-6E-04 U	0.0042	0.0006	0.0443	1.00 - 5.00
5B-00091	20220	Cm-245/246	-0.001 U J	0.015	0.0033	0.0401	1.00 - 5.00
5B-00091	20220	Cm-247/248	-0.001 U	0.012	0.0025	0.0306	1.00 - 5.00
5B-00091	20220	Co-60	-8E-04 U	0.019	0.0011	0.028	1.00 - 5.00
5B-00091	20220	Cs-134	-6E-04 U	0.03	0.0091	0.0864	1.00 - 5.00
5B-00091	20220	Cs-137	0.0052 U	0.015	0.0052	0.207	1.00 - 5.00
5B-00091	20220	Eu-152	0.0005 U	0.036	0.011	0.0566	1.00 - 5.00
5B-00091	20220	Eu-154	0.002 U	0.1	0.011	0.15	1.00 - 5.00
5B-00091	20220	Eu-155	0.071 SK	0.033	0.013	0.231	1.00 - 5.00
5B-00091	20220	Ho-166m	0.01 U	0.025	0.0067	0.0432	1.00 - 5.00
5B-00091	20220	K-40	19.5	0.14	0.59	32.4	1.00 - 5.00
5B-00091	20220	Na-22	0.0006 U	0.026	0.0077	0.037	1.00 - 5.00
5B-00091	20220	Nb-94	0.0034 U	0.014	0.0031	0.0214	1.00 - 5.00
5B-00091	20220	Np-236	-0.002 U	0.028	0.0085	0.047	1.00 - 5.00
5B-00091	20220	Np-239	0.014 U	0.086	0.026	0.139	1.00 - 5.00
5B-00091	20220	Pa-231	0.01 U	0.41	0.12	0.936	1.00 - 5.00
5B-00091	20220	Pb-212	1.53	0.023	0.062	2.69	1.00 - 5.00
5B-00091	20220	Pb-214	0.935	0.023	0.031	1.7	1.00 - 5.00
5B-00091	20220	Pu-236	-8E-04 U	0.011	0.0025	7.79	1.00 - 5.00
5B-00091	20220	Pu-238	-0.004 L U	0.01	0.0016	0.0415	1.00 - 5.00
5B-00091	20220	Pu-239/240	0.002 U	0.0064	0.0018	0.0404	1.00 - 5.00
5B-00091	20220	Pu-244	0.004	0.0022	0.0018	0.0313	1.00 - 5.00
5B-00091	20220	Sb-125	0.152 JSK	0.042	0.012	0.354	1.00 - 5.00
5B-00091	20220	Sn-126	-2E-04 U	0.015	0.0044	0.0237	1.00 - 5.00
5B-00091	20220	Sr-90	-0.009 U	0.034	0.0096	0.485	1.00 - 5.00
5B-00091	20220	Te-125m	0.0352 JSK	0.0096	0.0029	0.0838	1.00 - 5.00
5B-00091	20220	Th-228	1.29	0.023	0.071	3.98	1.00 - 5.00
5B-00091	20220	Th-229	0.0037 U	0.012	0.0034	0.145	1.00 - 5.00
5B-00091	20220	Th-230	0.855	0.015	0.052	2.2	1.00 - 5.00
5B-00091	20220	Th-232	1.22	0.012	0.068	3.1	1.00 - 5.00
5B-00091	20220	Th-234	0.591	0.15	0.051	3.19	1.00 - 5.00
5B-00091	20220	Tl-208	0.459	0.017	0.017	0.937	1.00 - 5.00
5B-00091	20220	Tm-171	-0.09 U	5.9	1.8	72.4	1.00 - 5.00
5B-00091	20220	U-233/234	0.879 J	0.019	0.061	2.02	1.00 - 5.00
5B-00091	20220	U-235/236	0.043 J	0.009	0.012	0.151	1.00 - 5.00
5B-00091	20220	U-238	0.738 J	0.019	0.054	1.8	1.00 - 5.00
5B-00091	20221	Ac-227	0.024 U	0.13	0.028	0.217	0.00 - 0.50
5B-00091	20221	Ac-228	1.21	0.094	0.044	2.4	0.00 - 0.50
5B-00091	20221	Am-241	0.0013 U	0.0061	0.0017	0.0454	0.00 - 0.50
5B-00091	20221	Bi-212	1.11	0.15	0.093	2.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00091	20221	Bi-214	0.852	0.027	0.031	1.59	0.00 - 0.50
5B-00091	20221	Cd-113m	13 U	41	12	3030	0.00 - 0.50
5B-00091	20221	Cm-243/244	-6E-04 U	0.0078	0.0018	0.0443	0.00 - 0.50
5B-00091	20221	Cm-245/246	0 U J	0.0077	0.0016	0.0401	0.00 - 0.50
5B-00091	20221	Cm-247/248	0.001 U	0.0028	0.001	0.0306	0.00 - 0.50
5B-00091	20221	Co-60	0.0029 U	0.019	0.0029	0.028	0.00 - 0.50
5B-00091	20221	Cs-134	0.0015 U	0.028	0.0058	0.0864	0.00 - 0.50
5B-00091	20221	Cs-137	0.0037 U J	0.017	0.0059	0.207	0.00 - 0.50
5B-00091	20221	Eu-152	0.002 U	0.039	0.012	0.0566	0.00 - 0.50
5B-00091	20221	Eu-154	0.017 U	0.11	0.015	0.15	0.00 - 0.50
5B-00091	20221	Eu-155	0.084 SK	0.034	0.013	0.231	0.00 - 0.50
5B-00091	20221	Ho-166m	0.0072 U	0.027	0.0052	0.0432	0.00 - 0.50
5B-00091	20221	K-40	18.7	0.14	0.58	32.4	0.00 - 0.50
5B-00091	20221	Na-22	0.0079 U	0.026	0.0077	0.037	0.00 - 0.50
5B-00091	20221	Nb-94	0.0047 U	0.015	0.0046	0.0214	0.00 - 0.50
5B-00091	20221	Np-236	0.0012 U	0.029	0.0086	0.047	0.00 - 0.50
5B-00091	20221	Np-239	0.008 U	0.09	0.027	0.139	0.00 - 0.50
5B-00091	20221	Pa-231	-0.17 U	0.6	0.18	0.936	0.00 - 0.50
5B-00091	20221	Pb-212	1.52	0.028	0.063	2.69	0.00 - 0.50
5B-00091	20221	Pb-214	0.94	0.026	0.032	1.7	0.00 - 0.50
5B-00091	20221	Pu-236	0 U	0.0051	0.001	7.79	0.00 - 0.50
5B-00091	20221	Pu-238	-7E-04 U	0.0074	0.0017	0.0415	0.00 - 0.50
5B-00091	20221	Pu-239/240	0.0007 U	0.0019	0.0007	0.0404	0.00 - 0.50
5B-00091	20221	Pu-244	0.0048	0.0019	0.0018	0.0313	0.00 - 0.50
5B-00091	20221	Sb-125	0.117 SK	0.045	0.01	0.354	0.00 - 0.50
5B-00091	20221	Sn-126	0.005 U	0.017	0.005	0.0237	0.00 - 0.50
5B-00091	20221	Sr-90	-0.016 U	0.057	0.016	0.485	0.00 - 0.50
5B-00091	20221	Te-125m	0.027 SK	0.01	0.0023	0.0838	0.00 - 0.50
5B-00091	20221	Th-228	1.3	0.016	0.068	3.98	0.00 - 0.50
5B-00091	20221	Th-229	0.009	0.01	0.004	0.145	0.00 - 0.50
5B-00091	20221	Th-230	0.937	0.011	0.052	2.2	0.00 - 0.50
5B-00091	20221	Th-232	1.2	0.009	0.064	3.1	0.00 - 0.50
5B-00091	20221	Th-234	0.609 R	0.16	0.054	3.19	0.00 - 0.50
5B-00091	20221	Tl-208	0.483	0.018	0.018	0.937	0.00 - 0.50
5B-00091	20221	Tm-171	-1.6 U	6	1.8	72.4	0.00 - 0.50
5B-00091	20221	U-233/234	0.574	0.004	0.037	2.02	0.00 - 0.50
5B-00091	20221	U-235/236	0.0202	0.0046	0.0059	0.151	0.00 - 0.50
5B-00091	20221	U-238	0.618	0.013	0.039	1.8	0.00 - 0.50
5B-00092	20222	Ac-227	0.04 U	0.1	0.032	0.217	1.00 - 5.00
5B-00092	20222	Ac-228	1.2	0.055	0.042	2.4	1.00 - 5.00
5B-00092	20222	Am-241	-8E-04 U	0.01	0.0024	0.0454	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00092	20222	Bi-212	0.921	0.086	0.055	2.15	1.00 - 5.00
5B-00092	20222	Bi-214	0.659	0.018	0.025	1.59	1.00 - 5.00
5B-00092	20222	Cd-113m	-7 U	31	9.2	3030	1.00 - 5.00
5B-00092	20222	Cm-243/244	0 U	0.0022	0.0009	0.0443	1.00 - 5.00
5B-00092	20222	Cm-245/246	-0.001 U J	0.011	0.0013	0.0401	1.00 - 5.00
5B-00092	20222	Cm-247/248	-4E-04 U	0.014	0.0026	0.0306	1.00 - 5.00
5B-00092	20222	Co-60	-0.006 U	0.012	0.0036	0.028	1.00 - 5.00
5B-00092	20222	Cs-134	0.0122 U J	0.031	0.0033	0.0864	1.00 - 5.00
5B-00092	20222	Cs-137	-0.004 U	0.012	0.0035	0.207	1.00 - 5.00
5B-00092	20222	Eu-152	0.0093 U	0.028	0.0052	0.0566	1.00 - 5.00
5B-00092	20222	Eu-154	-0.02 U	0.072	0.022	0.15	1.00 - 5.00
5B-00092	20222	Eu-155	0.089 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00092	20222	Ho-166m	0.0064 U J	0.018	0.003	0.0432	1.00 - 5.00
5B-00092	20222	K-40	20.5	0.13	0.68	32.4	1.00 - 5.00
5B-00092	20222	Na-22	0.0004 U	0.017	0.0051	0.037	1.00 - 5.00
5B-00092	20222	Nb-94	0 U	0.0095	0.0023	0.0214	1.00 - 5.00
5B-00092	20222	Np-236	-0.007 U	0.024	0.0071	0.047	1.00 - 5.00
5B-00092	20222	Np-239	0.013 U	0.062	0.019	0.139	1.00 - 5.00
5B-00092	20222	Pa-231	-0.08 U	0.45	0.13	0.936	1.00 - 5.00
5B-00092	20222	Pb-212	1.53	0.019	0.081	2.69	1.00 - 5.00
5B-00092	20222	Pb-214	0.768	0.019	0.029	1.7	1.00 - 5.00
5B-00092	20222	Pu-236	-4E-04 U	0.0044	0.0005	7.79	1.00 - 5.00
5B-00092	20222	Pu-238	0.0021	0.0054	0.0016	0.0415	1.00 - 5.00
5B-00092	20222	Pu-239/240	0.0025	0.0044	0.0016	0.0404	1.00 - 5.00
5B-00092	20222	Pu-244	0.003	0.002	0.0015	0.0313	1.00 - 5.00
5B-00092	20222	Sb-125	0.117 SK	0.031	0.0079	0.354	1.00 - 5.00
5B-00092	20222	Sn-126	0.0022 U	0.011	0.0033	0.0237	1.00 - 5.00
5B-00092	20222	Sr-90	0.0104 U	0.033	0.0098	0.485	1.00 - 5.00
5B-00092	20222	Te-125m	0.027 SK	0.0071	0.0018	0.0838	1.00 - 5.00
5B-00092	20222	Th-228	1.28	0.014	0.063	3.98	1.00 - 5.00
5B-00092	20222	Th-229	0.0124	0.012	0.0048	0.145	1.00 - 5.00
5B-00092	20222	Th-230	0.891	0.007	0.046	2.2	1.00 - 5.00
5B-00092	20222	Th-232	1.19	0.007	0.059	3.1	1.00 - 5.00
5B-00092	20222	Th-234	0.376 R	0.13	0.043	3.19	1.00 - 5.00
5B-00092	20222	Tl-208	0.456	0.013	0.018	0.937	1.00 - 5.00
5B-00092	20222	Tm-171	0.3 U	4.2	1.3	72.4	1.00 - 5.00
5B-00092	20222	U-233/234	0.721	0.009	0.04	2.02	1.00 - 5.00
5B-00092	20222	U-233/234	0.665	0.008	0.037	2.02	1.00 - 5.00
5B-00092	20222	U-235/236	0.0287	0.0081	0.006	0.151	1.00 - 5.00
5B-00092	20222	U-235/236	0.0311	0.0088	0.0065	0.151	1.00 - 5.00
5B-00092	20222	U-238	0.728	0.007	0.04	1.8	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00092	20222	U-238	0.672	0.007	0.037	1.8	1.00 - 5.00
5B-00092	20223	Ac-227	0.01 U	0.14	0.049	0.217	0.00 - 0.50
5B-00092	20223	Ac-228	1.17	0.098	0.043	2.4	0.00 - 0.50
5B-00092	20223	Am-241	-0.002 U	0.0095	0.0019	0.0454	0.00 - 0.50
5B-00092	20223	Bi-212	1.06	0.12	0.075	2.15	0.00 - 0.50
5B-00092	20223	Bi-214	0.898	0.023	0.032	1.59	0.00 - 0.50
5B-00092	20223	Cd-113m	10 U	40	12	3030	0.00 - 0.50
5B-00092	20223	Cm-243/244	-9E-04 U J	0.012	0.0031	0.0443	0.00 - 0.50
5B-00092	20223	Cm-245/246	0.0009 U J	0.0025	0.0009	0.0401	0.00 - 0.50
5B-00092	20223	Cm-247/248	0 U J	0.0025	0.001	0.0306	0.00 - 0.50
5B-00092	20223	Co-60	0.0024 U	0.018	0.0054	0.028	0.00 - 0.50
5B-00092	20223	Cs-134	0.0114 U	0.051	0.0058	0.0864	0.00 - 0.50
5B-00092	20223	Cs-137	-7E-04 U	0.016	0.0049	0.207	0.00 - 0.50
5B-00092	20223	Eu-152	-0.003 U	0.038	0.0042	0.0566	0.00 - 0.50
5B-00092	20223	Eu-154	-0.03 U	0.1	0.031	0.15	0.00 - 0.50
5B-00092	20223	Eu-155	0.062 SK	0.037	0.012	0.231	0.00 - 0.50
5B-00092	20223	Ho-166m	0.0056 U	0.025	0.0059	0.0432	0.00 - 0.50
5B-00092	20223	K-40	18	0.13	0.55	32.4	0.00 - 0.50
5B-00092	20223	Na-22	-0.006 U	0.024	0.0072	0.037	0.00 - 0.50
5B-00092	20223	Nb-94	0.0057 U	0.013	0.0041	0.0214	0.00 - 0.50
5B-00092	20223	Np-236	-6E-04 U	0.027	0.0083	0.047	0.00 - 0.50
5B-00092	20223	Np-239	-5E-04 U	0.083	0.025	0.139	0.00 - 0.50
5B-00092	20223	Pa-231	0.05 U	0.57	0.17	0.936	0.00 - 0.50
5B-00092	20223	Pb-212	1.52	0.023	0.062	2.69	0.00 - 0.50
5B-00092	20223	Pb-214	0.937	0.025	0.032	1.7	0.00 - 0.50
5B-00092	20223	Pu-236	-5E-04 U	0.0056	0.0013	7.79	0.00 - 0.50
5B-00092	20223	Pu-238	0.0009 U	0.0043	0.0012	0.0415	0.00 - 0.50
5B-00092	20223	Pu-239/240	0.0005 U	0.0043	0.0011	0.0404	0.00 - 0.50
5B-00092	20223	Pu-244	0.0032	0.0013	0.0012	0.0313	0.00 - 0.50
5B-00092	20223	Sb-125	0.133 RSK	0.032	0.011	0.354	0.00 - 0.50
5B-00092	20223	Sn-126	0.004 U	0.015	0.0045	0.0237	0.00 - 0.50
5B-00092	20223	Sr-90	0.096	0.066	0.022	0.485	0.00 - 0.50
5B-00092	20223	Te-125m	0.0307 RSK	0.0073	0.0026	0.0838	0.00 - 0.50
5B-00092	20223	Th-228	1.49	0.014	0.074	3.98	0.00 - 0.50
5B-00092	20223	Th-229	0.005	0.012	0.0037	0.145	0.00 - 0.50
5B-00092	20223	Th-230	1.02	0.003	0.054	2.2	0.00 - 0.50
5B-00092	20223	Th-232	1.38	0.01	0.069	3.1	0.00 - 0.50
5B-00092	20223	Th-234	0.634	0.14	0.05	3.19	0.00 - 0.50
5B-00092	20223	Tl-208	0.496	0.017	0.019	0.937	0.00 - 0.50
5B-00092	20223	Tm-171	-1.4 U	6.1	1.9	72.4	0.00 - 0.50
5B-00092	20223	U-233/234	0.627	0.009	0.034	2.02	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00092	20223	U-235/236	0.0451	0.0025	0.0067	0.151	0.00 - 0.50
5B-00092	20223	U-238	0.686	0.002	0.037	1.8	0.00 - 0.50
5B-00093	20224	Ac-227	0.038 U	0.1	0.04	0.217	1.00 - 4.00
5B-00093	20224	Ac-228	1.37	0.049	0.042	2.4	1.00 - 4.00
5B-00093	20224	Am-241	0.002	0.0018	0.0012	0.0454	1.00 - 4.00
5B-00093	20224	Bi-212	1.1	0.093	0.062	2.15	1.00 - 4.00
5B-00093	20224	Bi-214	0.621	0.017	0.021	1.59	1.00 - 4.00
5B-00093	20224	Cd-113m	-4.6 U	28	8.6	3030	1.00 - 4.00
5B-00093	20224	Cm-243/244	-7E-04 U	0.0062	0.0012	0.0443	1.00 - 4.00
5B-00093	20224	Cm-245/246	0.0037	0.0033	0.0021	0.0401	1.00 - 4.00
5B-00093	20224	Cm-247/248	0 U	0.0033	0.0011	0.0306	1.00 - 4.00
5B-00093	20224	Co-60	0.0012 U	0.0073	0.0022	0.028	1.00 - 4.00
5B-00093	20224	Cs-134	0.0099 U J	0.028	0.0022	0.0864	1.00 - 4.00
5B-00093	20224	Cs-137	0 U	0.011	0.0024	0.207	1.00 - 4.00
5B-00093	20224	Eu-152	0.0097 U	0.026	0.0041	0.0566	1.00 - 4.00
5B-00093	20224	Eu-154	0.0092 U	0.066	0.0087	0.15	1.00 - 4.00
5B-00093	20224	Eu-155	0.098 SK	0.027	0.012	0.231	1.00 - 4.00
5B-00093	20224	Ho-166m	0.0259 JSK	0.017	0.0028	0.0432	1.00 - 4.00
5B-00093	20224	K-40	19	0.1	0.56	32.4	1.00 - 4.00
5B-00093	20224	Na-22	-0.003 U	0.015	0.0044	0.037	1.00 - 4.00
5B-00093	20224	Nb-94	0.0024 U	0.0094	0.002	0.0214	1.00 - 4.00
5B-00093	20224	Np-236	0.0063 U	0.022	0.0067	0.047	1.00 - 4.00
5B-00093	20224	Np-239	-0.004 U	0.064	0.019	0.139	1.00 - 4.00
5B-00093	20224	Pa-231	0.06 U	0.36	0.11	0.936	1.00 - 4.00
5B-00093	20224	Pb-212	1.76	0.018	0.07	2.69	1.00 - 4.00
5B-00093	20224	Pb-214	0.729	0.019	0.025	1.7	1.00 - 4.00
5B-00093	20224	Pu-236	-5E-04 U	0.0044	0.0005	7.79	1.00 - 4.00
5B-00093	20224	Pu-238	0.0003 U	0.0044	0.0009	0.0415	1.00 - 4.00
5B-00093	20224	Pu-239/240	0.0007 U	0.002	0.0007	0.0404	1.00 - 4.00
5B-00093	20224	Pu-244	-4E-04 U	0.0044	0.0005	0.0313	1.00 - 4.00
5B-00093	20224	Sb-125	0.109 SK	0.022	0.0063	0.354	1.00 - 4.00
5B-00093	20224	Sn-126	-4E-04 U	0.011	0.0032	0.0237	1.00 - 4.00
5B-00093	20224	Sr-90	0.016 U	0.036	0.011	0.485	1.00 - 4.00
5B-00093	20224	Te-125m	0.0251 SK	0.0052	0.0015	0.0838	1.00 - 4.00
5B-00093	20224	Th-228	1.48	0.015	0.07	3.98	1.00 - 4.00
5B-00093	20224	Th-229	0 U	0.022	0.0059	0.145	1.00 - 4.00
5B-00093	20224	Th-230	0.892	0.007	0.045	2.2	1.00 - 4.00
5B-00093	20224	Th-232	1.41	0.005	0.067	3.1	1.00 - 4.00
5B-00093	20224	Th-234	1.51 R	0.12	0.075	3.19	1.00 - 4.00
5B-00093	20224	Tl-208	0.535	0.013	0.018	0.937	1.00 - 4.00
5B-00093	20224	Tm-171	-1.7 U	4.9	1.5	72.4	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00093	20224	U-233/234	0.79	0.008	0.044	2.02	1.00 - 4.00
5B-00093	20224	U-233/234	0.851	0.008	0.047	2.02	1.00 - 4.00
5B-00093	20224	U-235/236	0.0534	0.01	0.0092	0.151	1.00 - 4.00
5B-00093	20224	U-235/236	0.0496	0.0096	0.0085	0.151	1.00 - 4.00
5B-00093	20224	U-238	0.817	0.01	0.046	1.8	1.00 - 4.00
5B-00093	20224	U-238	0.758	0.01	0.043	1.8	1.00 - 4.00
5B-00094	20225	Ac-227	-0.002 U	0.13	0.038	0.217	1.00 - 5.00
5B-00094	20225	Ac-228	1.38	0.064	0.047	2.4	1.00 - 5.00
5B-00094	20225	Am-241	0.003	0.002	0.0015	0.0454	1.00 - 5.00
5B-00094	20225	Bi-212	1.1	0.11	0.069	2.15	1.00 - 5.00
5B-00094	20225	Bi-214	0.904	0.026	0.032	1.59	1.00 - 5.00
5B-00094	20225	Cd-113m	-11 U	40	12	3030	1.00 - 5.00
5B-00094	20225	Cm-243/244	0.0007 U	0.0054	0.0013	0.0443	1.00 - 5.00
5B-00094	20225	Cm-245/246	0.0026	0.0064	0.002	0.0401	1.00 - 5.00
5B-00094	20225	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	1.00 - 5.00
5B-00094	20225	Co-60	0.0028 U	0.016	0.0042	0.028	1.00 - 5.00
5B-00094	20225	Cs-134	0.0152 U J	0.057	0.0045	0.0864	1.00 - 5.00
5B-00094	20225	Cs-137	-0.008 U	0.016	0.0049	0.207	1.00 - 5.00
5B-00094	20225	Eu-152	-0.001 U	0.032	0.0095	0.0566	1.00 - 5.00
5B-00094	20225	Eu-154	0.0031 U	0.091	0.005	0.15	1.00 - 5.00
5B-00094	20225	Eu-155	0.079 SK	0.049	0.021	0.231	1.00 - 5.00
5B-00094	20225	Ho-166m	0.0286 JSK	0.023	0.0059	0.0432	1.00 - 5.00
5B-00094	20225	K-40	17.9	0.1	0.54	32.4	1.00 - 5.00
5B-00094	20225	Na-22	0.0072 U	0.018	0.0056	0.037	1.00 - 5.00
5B-00094	20225	Nb-94	0.0021 U	0.013	0.0028	0.0214	1.00 - 5.00
5B-00094	20225	Np-236	0.002 U	0.035	0.011	0.047	1.00 - 5.00
5B-00094	20225	Np-239	-0.026 U	0.091	0.028	0.139	1.00 - 5.00
5B-00094	20225	Pa-231	-0.003 U	0.42	0.13	0.936	1.00 - 5.00
5B-00094	20225	Pb-212	1.65	0.023	0.05	2.69	1.00 - 5.00
5B-00094	20225	Pb-214	0.982	0.023	0.041	1.7	1.00 - 5.00
5B-00094	20225	Pu-236	0.0008 U	0.0022	0.0008	7.79	1.00 - 5.00
5B-00094	20225	Pu-238	0.0017	0.0022	0.0012	0.0415	1.00 - 5.00
5B-00094	20225	Pu-239/240	0.0033	0.0022	0.0017	0.0404	1.00 - 5.00
5B-00094	20225	Pu-244	0.0017	0.0022	0.0012	0.0313	1.00 - 5.00
5B-00094	20225	Sb-125	0.141 SK	0.04	0.01	0.354	1.00 - 5.00
5B-00094	20225	Sn-126	0.0027 U	0.014	0.0041	0.0237	1.00 - 5.00
5B-00094	20225	Sr-90	-0.01 U	0.033	0.0093	0.485	1.00 - 5.00
5B-00094	20225	Te-125m	0.0327 SK	0.0093	0.0024	0.0838	1.00 - 5.00
5B-00094	20225	Th-228	1.58	0.014	0.077	3.98	1.00 - 5.00
5B-00094	20225	Th-229	0.0063	0.012	0.004	0.145	1.00 - 5.00
5B-00094	20225	Th-230	1.03	0.01	0.053	2.2	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00094	20225	Th-232	1.61	0.007	0.078	3.1	1.00 - 5.00
5B-00094	20225	Th-234	1.38 R	0.2	0.078	3.19	1.00 - 5.00
5B-00094	20225	Tl-208	0.54	0.018	0.02	0.937	1.00 - 5.00
5B-00094	20225	Tm-171	-13.7 R U J	9.2	2.9	72.4	1.00 - 5.00
5B-00094	20225	U-233/234	0.846	0.008	0.046	2.02	1.00 - 5.00
5B-00094	20225	U-233/234	0.785	0.007	0.043	2.02	1.00 - 5.00
5B-00094	20225	U-235/236	0.032	0.0087	0.0065	0.151	1.00 - 5.00
5B-00094	20225	U-235/236	0.0345	0.0094	0.0071	0.151	1.00 - 5.00
5B-00094	20225	U-238	0.847	0.003	0.046	1.8	1.00 - 5.00
5B-00094	20225	U-238	0.786	0.003	0.043	1.8	1.00 - 5.00
5B-00095	20226	Ac-227	0.028 U	0.11	0.034	0.217	1.00 - 5.00
5B-00095	20226	Ac-228	1.24	0.059	0.045	2.4	1.00 - 5.00
5B-00095	20226	Am-241	0.0036	0.0016	0.0015	0.0454	1.00 - 5.00
5B-00095	20226	Bi-212	0.989	0.11	0.072	2.15	1.00 - 5.00
5B-00095	20226	Bi-214	0.84	0.019	0.031	1.59	1.00 - 5.00
5B-00095	20226	Cd-113m	-8.2 U	33	9.8	3030	1.00 - 5.00
5B-00095	20226	Cm-243/244	-6E-04 U	0.0044	0.0007	0.0443	1.00 - 5.00
5B-00095	20226	Cm-245/246	0.0032 U J	0.0044	0.0023	0.0401	1.00 - 5.00
5B-00095	20226	Cm-247/248	-3E-04 U	0.012	0.0022	0.0306	1.00 - 5.00
5B-00095	20226	Co-60	0.0018 U	0.011	0.0033	0.028	1.00 - 5.00
5B-00095	20226	Cs-134	0.0167 U J	0.041	0.0038	0.0864	1.00 - 5.00
5B-00095	20226	Cs-137	-0.004 U	0.012	0.0036	0.207	1.00 - 5.00
5B-00095	20226	Eu-152	0.0009 U	0.03	0.0012	0.0566	1.00 - 5.00
5B-00095	20226	Eu-154	0.0002 U	0.07	0.0002	0.15	1.00 - 5.00
5B-00095	20226	Eu-155	0.087 SK	0.029	0.013	0.231	1.00 - 5.00
5B-00095	20226	Ho-166m	0.0028 U J	0.018	0.0029	0.0432	1.00 - 5.00
5B-00095	20226	K-40	20.2	0.13	0.67	32.4	1.00 - 5.00
5B-00095	20226	Na-22	0.002 U	0.016	0.0049	0.037	1.00 - 5.00
5B-00095	20226	Nb-94	0.0013 U	0.01	0.0031	0.0214	1.00 - 5.00
5B-00095	20226	Np-236	-0.011 U	0.025	0.0077	0.047	1.00 - 5.00
5B-00095	20226	Np-239	-0.005 U	0.07	0.021	0.139	1.00 - 5.00
5B-00095	20226	Pa-231	0.04 U	0.29	0.087	0.936	1.00 - 5.00
5B-00095	20226	Pb-212	1.52	0.019	0.08	2.69	1.00 - 5.00
5B-00095	20226	Pb-214	0.952	0.022	0.036	1.7	1.00 - 5.00
5B-00095	20226	Pu-236	0 U	0.0018	0.0006	7.79	1.00 - 5.00
5B-00095	20226	Pu-238	0.0027	0.0018	0.0013	0.0415	1.00 - 5.00
5B-00095	20226	Pu-239/240	0.0023	0.004	0.0014	0.0404	1.00 - 5.00
5B-00095	20226	Pu-244	0.002	0.0018	0.0012	0.0313	1.00 - 5.00
5B-00095	20226	Sb-125	0.132 SK	0.033	0.0089	0.354	1.00 - 5.00
5B-00095	20226	Sn-126	-0.002 U	0.012	0.0035	0.0237	1.00 - 5.00
5B-00095	20226	Sr-90	0.021	0.033	0.01	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00095	20226	Te-125m	0.0306 SK	0.0076	0.0021	0.0838	1.00 - 5.00
5B-00095	20226	Th-228	1.39	0.013	0.067	3.98	1.00 - 5.00
5B-00095	20226	Th-229	0.0114	0.013	0.0051	0.145	1.00 - 5.00
5B-00095	20226	Th-230	0.971	0.002	0.049	2.2	1.00 - 5.00
5B-00095	20226	Th-232	1.22	0.002	0.06	3.1	1.00 - 5.00
5B-00095	20226	Th-234	1.36 R	0.12	0.077	3.19	1.00 - 5.00
5B-00095	20226	Tl-208	0.459	0.015	0.018	0.937	1.00 - 5.00
5B-00095	20226	Tm-171	-2.4 U	5.1	1.6	72.4	1.00 - 5.00
5B-00095	20226	U-233/234	0.893	0.011	0.049	2.02	1.00 - 5.00
5B-00095	20226	U-233/234	0.832	0.01	0.046	2.02	1.00 - 5.00
5B-00095	20226	U-235/236	0.0384	0.012	0.0078	0.151	1.00 - 5.00
5B-00095	20226	U-235/236	0.0412	0.013	0.0084	0.151	1.00 - 5.00
5B-00095	20226	U-238	0.837	0.011	0.047	1.8	1.00 - 5.00
5B-00095	20226	U-238	0.78	0.01	0.044	1.8	1.00 - 5.00
5B-00095	20227	Ac-227	0.036 U	0.1	0.046	0.217	0.00 - 0.50
5B-00095	20227	Ac-228	1.21	0.063	0.043	2.4	0.00 - 0.50
5B-00095	20227	Am-241	-8E-04 U	0.0082	0.0018	0.0454	0.00 - 0.50
5B-00095	20227	Bi-212	0.974	0.1	0.066	2.15	0.00 - 0.50
5B-00095	20227	Bi-214	0.813	0.024	0.032	1.59	0.00 - 0.50
5B-00095	20227	Cd-113m	-3 U	35	11	3030	0.00 - 0.50
5B-00095	20227	Cm-243/244	-8E-04 U	0.0055	0.0008	0.0443	0.00 - 0.50
5B-00095	20227	Cm-245/246	0.0009 U J	0.0023	0.0009	0.0401	0.00 - 0.50
5B-00095	20227	Cm-247/248	0.0008 U J	0.0022	0.0008	0.0306	0.00 - 0.50
5B-00095	20227	Co-60	-0.004 U	0.015	0.0044	0.028	0.00 - 0.50
5B-00095	20227	Cs-134	0.0128 SK	0.0077	0.0035	0.0864	0.00 - 0.50
5B-00095	20227	Cs-137	0.0147	0.0093	0.0041	0.207	0.00 - 0.50
5B-00095	20227	Eu-152	0.0229 J	0.032	0.0094	0.0566	0.00 - 0.50
5B-00095	20227	Eu-154	0.012 U	0.079	0.018	0.15	0.00 - 0.50
5B-00095	20227	Eu-155	0.08 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00095	20227	Ho-166m	0.0074 U	0.019	0.0064	0.0432	0.00 - 0.50
5B-00095	20227	K-40	21.3	0.14	0.71	32.4	0.00 - 0.50
5B-00095	20227	Na-22	0.0009 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00095	20227	Nb-94	0.0019 U	0.011	0.0014	0.0214	0.00 - 0.50
5B-00095	20227	Np-236	-0.011 U	0.026	0.0079	0.047	0.00 - 0.50
5B-00095	20227	Np-239	-0.012 U	0.072	0.022	0.139	0.00 - 0.50
5B-00095	20227	Pa-231	-0.1 U	0.5	0.15	0.936	0.00 - 0.50
5B-00095	20227	Pb-212	1.54	0.022	0.081	2.69	0.00 - 0.50
5B-00095	20227	Pb-214	0.923	0.023	0.035	1.7	0.00 - 0.50
5B-00095	20227	Pu-236	-5E-04 U	0.0034	0.0005	7.79	0.00 - 0.50
5B-00095	20227	Pu-238	-5E-04 U	0.0034	0.0005	0.0415	0.00 - 0.50
5B-00095	20227	Pu-239/240	0.0009 U	0.0043	0.0012	0.0404	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00095	20227	Pu-244	0.0032	0.0013	0.0012	0.0313	0.00 - 0.50
5B-00095	20227	Sb-125	0.0993 SK	0.034	0.0082	0.354	0.00 - 0.50
5B-00095	20227	Sn-126	-0.002 U	0.013	0.0038	0.0237	0.00 - 0.50
5B-00095	20227	Sr-90	0.012 U	0.034	0.01	0.485	0.00 - 0.50
5B-00095	20227	Te-125m	0.0229 SK	0.0078	0.0019	0.0838	0.00 - 0.50
5B-00095	20227	Th-228	1.21	0.015	0.061	3.98	0.00 - 0.50
5B-00095	20227	Th-229	0.0117	0.0026	0.0034	0.145	0.00 - 0.50
5B-00095	20227	Th-230	0.828	0.008	0.044	2.2	0.00 - 0.50
5B-00095	20227	Th-232	1.21	0.007	0.061	3.1	0.00 - 0.50
5B-00095	20227	Th-234	0.447	0.14	0.046	3.19	0.00 - 0.50
5B-00095	20227	Tl-208	0.466	0.014	0.018	0.937	0.00 - 0.50
5B-00095	20227	Tm-171	-1.1 U	5.6	1.7	72.4	0.00 - 0.50
5B-00095	20227	U-233/234	0.65	0.003	0.04	2.02	0.00 - 0.50
5B-00095	20227	U-235/236	0.0345	0.012	0.0079	0.151	0.00 - 0.50
5B-00095	20227	U-238	0.693	0.003	0.041	1.8	0.00 - 0.50
5B-00096	20228	Ac-227	0.04 U	0.14	0.055	0.217	1.00 - 3.00
5B-00096	20228	Ac-228	1.33	0.079	0.045	2.4	1.00 - 3.00
5B-00096	20228	Am-241	0.0068	0.0017	0.0021	0.0454	1.00 - 3.00
5B-00096	20228	Bi-212	1.23	0.14	0.095	2.15	1.00 - 3.00
5B-00096	20228	Bi-214	0.778	0.025	0.028	1.59	1.00 - 3.00
5B-00096	20228	Cd-113m	-2 U	40	12	3030	1.00 - 3.00
5B-00096	20228	Cm-243/244	0.0012 U	0.0016	0.0009	0.0443	1.00 - 3.00
5B-00096	20228	Cm-245/246	0 U J K	0.0037	0.0012	0.0401	1.00 - 3.00
5B-00096	20228	Cm-247/248	0.0027	0.0036	0.0019	0.0306	1.00 - 3.00
5B-00096	20228	Co-60	-0.002 U	0.019	0.0056	0.028	1.00 - 3.00
5B-00096	20228	Cs-134	0.007 U J	0.048	0.01	0.0864	1.00 - 3.00
5B-00096	20228	Cs-137	-0.008 U	0.016	0.0049	0.207	1.00 - 3.00
5B-00096	20228	Eu-152	0.016 K,R	0.033	0.014	0.0566	1.00 - 3.00
5B-00096	20228	Eu-154	0.022 U	0.099	0.011	0.15	1.00 - 3.00
5B-00096	20228	Eu-155	0.072 SK	0.034	0.014	0.231	1.00 - 3.00
5B-00096	20228	Ho-166m	0.0162 JSK	0.025	0.0047	0.0432	1.00 - 3.00
5B-00096	20228	K-40	20	0.14	0.61	32.4	1.00 - 3.00
5B-00096	20228	Na-22	0.0061 U	0.024	0.0073	0.037	1.00 - 3.00
5B-00096	20228	Nb-94	0.0048 U	0.014	0.0031	0.0214	1.00 - 3.00
5B-00096	20228	Np-236	0.0047 U	0.03	0.009	0.047	1.00 - 3.00
5B-00096	20228	Np-239	-0.023 U	0.086	0.026	0.139	1.00 - 3.00
5B-00096	20228	Pa-231	0.04 U	0.57	0.17	0.936	1.00 - 3.00
5B-00096	20228	Pb-212	1.76	0.023	0.071	2.69	1.00 - 3.00
5B-00096	20228	Pb-214	0.851	0.025	0.029	1.7	1.00 - 3.00
5B-00096	20228	Pu-236	-7E-04 U	0.007	0.0015	7.79	1.00 - 3.00
5B-00096	20228	Pu-238	0.003	0.0045	0.0016	0.0415	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00096	20228	Pu-239/240	0.0006 U	0.0017	0.0006	0.0404	1.00 - 3.00
5B-00096	20228	Pu-244	0.0006 U	0.0017	0.0006	0.0313	1.00 - 3.00
5B-00096	20228	Sb-125	0.142 SK	0.041	0.011	0.354	1.00 - 3.00
5B-00096	20228	Sn-126	-0.002 U	0.012	0.0037	0.0237	1.00 - 3.00
5B-00096	20228	Sr-90	0.008 U	0.035	0.01	0.485	1.00 - 3.00
5B-00096	20228	Te-125m	0.0329 SK	0.0095	0.0026	0.0838	1.00 - 3.00
5B-00096	20228	Th-228	1.45	0.013	0.071	3.98	1.00 - 3.00
5B-00096	20228	Th-229	0.0046	0.011	0.0035	0.145	1.00 - 3.00
5B-00096	20228	Th-230	0.878	0.007	0.047	2.2	1.00 - 3.00
5B-00096	20228	Th-232	1.43	0.008	0.07	3.1	1.00 - 3.00
5B-00096	20228	Th-234	0.589 R	0.15	0.051	3.19	1.00 - 3.00
5B-00096	20228	Tl-208	0.524	0.017	0.019	0.937	1.00 - 3.00
5B-00096	20228	Tm-171	-0.04 U	6.2	1.9	72.4	1.00 - 3.00
5B-00096	20228	U-233/234	0.836	0.013	0.047	2.02	1.00 - 3.00
5B-00096	20228	U-233/234	0.781	0.012	0.044	2.02	1.00 - 3.00
5B-00096	20228	U-235/236	0.044	0.004	0.0082	0.151	1.00 - 3.00
5B-00096	20228	U-235/236	0.0411	0.0037	0.0077	0.151	1.00 - 3.00
5B-00096	20228	U-238	0.907	0.011	0.05	1.8	1.00 - 3.00
5B-00096	20228	U-238	0.847	0.01	0.047	1.8	1.00 - 3.00
5B-00102	20229	Ac-227	0.397 RZ	0.11	0.021	0.217	0.30 - 2.30
5B-00102	20229	Ac-228	1.36	0.063	0.046	2.4	0.30 - 2.30
5B-00102	20229	Am-241	0.001 U	0.0028	0.001	0.0454	0.30 - 2.30
5B-00102	20229	Bi-212	1.02	0.094	0.061	2.15	0.30 - 2.30
5B-00102	20229	Bi-214	0.816	0.019	0.03	1.59	0.30 - 2.30
5B-00102	20229	Cd-113m	-13 U	34	10	3030	0.30 - 2.30
5B-00102	20229	Cm-243/244	0 U	0.0027	0.0011	0.0443	0.30 - 2.30
5B-00102	20229	Cm-245/246	0.0009 U	0.0025	0.0009	0.0401	0.30 - 2.30
5B-00102	20229	Cm-247/248	0.0009 U	0.0068	0.0017	0.0306	0.30 - 2.30
5B-00102	20229	Co-60	0.0019 U	0.014	0.0033	0.028	0.30 - 2.30
5B-00102	20229	Cs-134	0.0104 U	0.041	0.0026	0.0864	0.30 - 2.30
5B-00102	20229	Cs-137	0.0007 U	0.014	0.0043	0.207	0.30 - 2.30
5B-00102	20229	Eu-152	-0.018 L U	0.027	0.0084	0.0566	0.30 - 2.30
5B-00102	20229	Eu-154	0.0083 U	0.078	0.0094	0.15	0.30 - 2.30
5B-00102	20229	Eu-155	0.087 SK	0.03	0.013	0.231	0.30 - 2.30
5B-00102	20229	Ho-166m	0.0047 U J	0.019	0.007	0.0432	0.30 - 2.30
5B-00102	20229	K-40	19.9	0.13	0.66	32.4	0.30 - 2.30
5B-00102	20229	Na-22	0.0264	0.014	0.0077	0.037	0.30 - 2.30
5B-00102	20229	Nb-94	0.0058 SK	0.011	0.0033	0.0214	0.30 - 2.30
5B-00102	20229	Np-236	0.0018 U	0.027	0.008	0.047	0.30 - 2.30
5B-00102	20229	Np-239	-0.016 U	0.076	0.023	0.139	0.30 - 2.30
5B-00102	20229	Pa-231	-0.13 U	0.49	0.15	0.936	0.30 - 2.30

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00102	20229	Pb-212	1.73	0.019	0.091	2.69	0.30 - 2.30
5B-00102	20229	Pb-214	0.949	0.022	0.036	1.7	0.30 - 2.30
5B-00102	20229	Pu-236	0.0016 U	0.0081	0.0022	7.79	0.30 - 2.30
5B-00102	20229	Pu-238	0.0047	0.0058	0.0022	0.0415	0.30 - 2.30
5B-00102	20229	Pu-239/240	0.0018 U	0.0058	0.0016	0.0404	0.30 - 2.30
5B-00102	20229	Pu-244	-4E-04 U	0.0058	0.0011	0.0313	0.30 - 2.30
5B-00102	20229	Sb-125	0.129 SK	0.033	0.0083	0.354	0.30 - 2.30
5B-00102	20229	Sn-126	0.0027 U	0.013	0.0038	0.0237	0.30 - 2.30
5B-00102	20229	Sr-90	0.0021 U	0.034	0.0099	0.485	0.30 - 2.30
5B-00102	20229	Te-125m	0.0298 SK	0.0076	0.0019	0.0838	0.30 - 2.30
5B-00102	20229	Th-228	1.64	0.015	0.08	3.98	0.30 - 2.30
5B-00102	20229	Th-229	0.0106	0.01	0.0041	0.145	0.30 - 2.30
5B-00102	20229	Th-230	1.07	0.011	0.056	2.2	0.30 - 2.30
5B-00102	20229	Th-232	1.53	0.003	0.075	3.1	0.30 - 2.30
5B-00102	20229	Th-234	1.51	0.13	0.083	3.19	0.30 - 2.30
5B-00102	20229	Tl-208	0.53	0.014	0.02	0.937	0.30 - 2.30
5B-00102	20229	Tm-171	-4.3 JU J	4.7	1.5	72.4	0.30 - 2.30
5B-00102	20229	U-233/234	0.776	0.007	0.041	2.02	0.30 - 2.30
5B-00102	20229	U-235/236	0.0407	0.0073	0.0067	0.151	0.30 - 2.30
5B-00102	20229	U-238	0.854	0.002	0.044	1.8	0.30 - 2.30
5B-00102	20230	Ac-227	0.036 U	0.17	0.05	0.217	0.00 - 0.50
5B-00102	20230	Ac-228	1.31	0.1	0.047	2.4	0.00 - 0.50
5B-00102	20230	Am-241	0.0022	0.002	0.0013	0.0454	0.00 - 0.50
5B-00102	20230	Bi-212	1.15	0.17	0.1	2.15	0.00 - 0.50
5B-00102	20230	Bi-214	0.91	0.031	0.034	1.59	0.00 - 0.50
5B-00102	20230	Cd-113m	5 U	43	13	3030	0.00 - 0.50
5B-00102	20230	Cm-243/244	-7E-04 U	0.0052	0.0008	0.0443	0.00 - 0.50
5B-00102	20230	Cm-245/246	0.0008 U J	0.0021	0.0008	0.0401	0.00 - 0.50
5B-00102	20230	Cm-247/248	0 U	0.0021	0.0009	0.0306	0.00 - 0.50
5B-00102	20230	Co-60	-0.005 U	0.024	0.0071	0.028	0.00 - 0.50
5B-00102	20230	Cs-134	0.0123 U J	0.061	0.0038	0.0864	0.00 - 0.50
5B-00102	20230	Cs-137	0.0125	0.011	0.0041	0.207	0.00 - 0.50
5B-00102	20230	Eu-152	-0.018 U	0.046	0.014	0.0566	0.00 - 0.50
5B-00102	20230	Eu-154	0.028 U	0.12	0.036	0.15	0.00 - 0.50
5B-00102	20230	Eu-155	0.088 SK	0.037	0.015	0.231	0.00 - 0.50
5B-00102	20230	Ho-166m	0.0122 U	0.029	0.0083	0.0432	0.00 - 0.50
5B-00102	20230	K-40	21.3	0.16	0.65	32.4	0.00 - 0.50
5B-00102	20230	Na-22	0.0006 U	0.029	0.0087	0.037	0.00 - 0.50
5B-00102	20230	Nb-94	0.0038 U	0.016	0.0037	0.0214	0.00 - 0.50
5B-00102	20230	Np-236	0.0002 U	0.033	0.0099	0.047	0.00 - 0.50
5B-00102	20230	Np-239	0.007 U	0.083	0.025	0.139	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00102	20230	Pa-231	-0.02 U	0.68	0.059	0.936	0.00 - 0.50
5B-00102	20230	Pb-212	1.79	0.027	0.073	2.69	0.00 - 0.50
5B-00102	20230	Pb-214	0.979	0.029	0.035	1.7	0.00 - 0.50
5B-00102	20230	Pu-236	-8E-04 U	0.0077	0.0016	7.79	0.00 - 0.50
5B-00102	20230	Pu-238	-2E-04 U	0.0087	0.0021	0.0415	0.00 - 0.50
5B-00102	20230	Pu-239/240	-5E-04 U	0.0046	0.0005	0.0404	0.00 - 0.50
5B-00102	20230	Pu-244	-2E-04 U	0.0056	0.0011	0.0313	0.00 - 0.50
5B-00102	20230	Sb-125	0.141 SK	0.048	0.012	0.354	0.00 - 0.50
5B-00102	20230	Sn-126	-5E-04 U J	0.016	0.0048	0.0237	0.00 - 0.50
5B-00102	20230	Sr-90	0.043	0.059	0.018	0.485	0.00 - 0.50
5B-00102	20230	Te-125m	0.0326 SK	0.011	0.0028	0.0838	0.00 - 0.50
5B-00102	20230	Th-228	1.25	0.011	0.06	3.98	0.00 - 0.50
5B-00102	20230	Th-229	0.0196	0.0026	0.0044	0.145	0.00 - 0.50
5B-00102	20230	Th-230	0.915	0.009	0.046	2.2	0.00 - 0.50
5B-00102	20230	Th-232	1.21	0.008	0.059	3.1	0.00 - 0.50
5B-00102	20230	Th-234	0.473 R	0.18	0.058	3.19	0.00 - 0.50
5B-00102	20230	Tl-208	0.516	0.02	0.02	0.937	0.00 - 0.50
5B-00102	20230	Tm-171	-2 U	7.2	2.2	72.4	0.00 - 0.50
5B-00102	20230	U-233/234	0.836	0.009	0.048	2.02	0.00 - 0.50
5B-00102	20230	U-235/236	0.058	0.017	0.01	0.151	0.00 - 0.50
5B-00102	20230	U-238	0.904	0.003	0.051	1.8	0.00 - 0.50
5B-00103	20231	Ac-227	0.042 U	0.089	0.014	0.217	1.00 - 5.00
5B-00103	20231	Ac-228	1.2	0.084	0.042	2.4	1.00 - 5.00
5B-00103	20231	Am-241	0.0019	0.0017	0.0011	0.0454	1.00 - 5.00
5B-00103	20231	Bi-212	0.956	0.12	0.072	2.15	1.00 - 5.00
5B-00103	20231	Bi-214	0.707	0.025	0.027	1.59	1.00 - 5.00
5B-00103	20231	Cd-113m	-2 U	38	11	3030	1.00 - 5.00
5B-00103	20231	Cm-243/244	0 U	0.0066	0.0016	0.0443	1.00 - 5.00
5B-00103	20231	Cm-245/246	0.0014	0.0012	0.0008	0.0401	1.00 - 5.00
5B-00103	20231	Cm-247/248	0.0005 U	0.0042	0.0011	0.0306	1.00 - 5.00
5B-00103	20231	Co-60	0.0041 U	0.018	0.0026	0.028	1.00 - 5.00
5B-00103	20231	Cs-134	-5E-04 U J	0.027	0.0022	0.0864	1.00 - 5.00
5B-00103	20231	Cs-137	0.0135	0.016	0.0059	0.207	1.00 - 5.00
5B-00103	20231	Eu-152	-0.008 U	0.036	0.011	0.0566	1.00 - 5.00
5B-00103	20231	Eu-154	-0.032 U	0.097	0.029	0.15	1.00 - 5.00
5B-00103	20231	Eu-155	0.072 SK	0.031	0.012	0.231	1.00 - 5.00
5B-00103	20231	Ho-166m	0.0006 U J	0.024	0.0008	0.0432	1.00 - 5.00
5B-00103	20231	K-40	18.9	0.13	0.58	32.4	1.00 - 5.00
5B-00103	20231	Na-22	0.0027 U	0.023	0.0069	0.037	1.00 - 5.00
5B-00103	20231	Nb-94	0.005 U	0.014	0.0042	0.0214	1.00 - 5.00
5B-00103	20231	Np-236	-0.003 U	0.027	0.0082	0.047	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00103	20231	Np-239	-4E-04 U	0.083	0.025	0.139	1.00 - 5.00
5B-00103	20231	Pa-231	-0.1 U	0.54	0.16	0.936	1.00 - 5.00
5B-00103	20231	Pb-212	1.54	0.021	0.062	2.69	1.00 - 5.00
5B-00103	20231	Pb-214	0.766	0.022	0.027	1.7	1.00 - 5.00
5B-00103	20231	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 5.00
5B-00103	20231	Pu-238	0.0046	0.0021	0.0019	0.0415	1.00 - 5.00
5B-00103	20231	Pu-239/240	0.0003 U	0.0045	0.0009	0.0404	1.00 - 5.00
5B-00103	20231	Pu-244	0.0026	0.0045	0.0016	0.0313	1.00 - 5.00
5B-00103	20231	Sb-125	0.137 SK	0.04	0.011	0.354	1.00 - 5.00
5B-00103	20231	Sn-126	-0.003 U	0.016	0.0047	0.0237	1.00 - 5.00
5B-00103	20231	Sr-90	0.0011 U	0.034	0.0097	0.485	1.00 - 5.00
5B-00103	20231	Te-125m	0.0317 SK	0.0093	0.0025	0.0838	1.00 - 5.00
5B-00103	20231	Th-228	1.32	0.015	0.064	3.98	1.00 - 5.00
5B-00103	20231	Th-229	0.0102	0.0076	0.0036	0.145	1.00 - 5.00
5B-00103	20231	Th-230	0.924	0.002	0.048	2.2	1.00 - 5.00
5B-00103	20231	Th-232	1.29	0.01	0.063	3.1	1.00 - 5.00
5B-00103	20231	Th-234	0.356 R	0.15	0.048	3.19	1.00 - 5.00
5B-00103	20231	Tl-208	0.472	0.016	0.017	0.937	1.00 - 5.00
5B-00103	20231	Tm-171	-0.6 U	5.3	1.6	72.4	1.00 - 5.00
5B-00103	20231	U-233/234	0.836	0.003	0.04	2.02	1.00 - 5.00
5B-00103	20231	U-233/234	0.771	0.003	0.037	2.02	1.00 - 5.00
5B-00103	20231	U-235/236	0.0384	0.0037	0.0048	0.151	1.00 - 5.00
5B-00103	20231	U-235/236	0.0417	0.004	0.0052	0.151	1.00 - 5.00
5B-00103	20231	U-238	0.854	0.001	0.041	1.8	1.00 - 5.00
5B-00103	20231	U-238	0.787	0.001	0.038	1.8	1.00 - 5.00
5B-00103	20232	Ac-227	0.063	0.082	0.018	0.217	0.00 - 0.50
5B-00103	20232	Ac-228	1.21	0.056	0.042	2.4	0.00 - 0.50
5B-00103	20232	Am-241	0.001 U	0.0093	0.0024	0.0454	0.00 - 0.50
5B-00103	20232	Bi-212	0.966	0.1	0.067	2.15	0.00 - 0.50
5B-00103	20232	Bi-214	0.682	0.02	0.026	1.59	0.00 - 0.50
5B-00103	20232	Cd-113m	5.2 U	32	9.5	3030	0.00 - 0.50
5B-00103	20232	Cm-243/244	0.0079	0.0027	0.0028	0.0443	0.00 - 0.50
5B-00103	20232	Cm-245/246	0 U J	0.0037	0.0015	0.0401	0.00 - 0.50
5B-00103	20232	Cm-247/248	0.0027 U	0.0036	0.0019	0.0306	0.00 - 0.50
5B-00103	20232	Co-60	0.0016 U	0.013	0.004	0.028	0.00 - 0.50
5B-00103	20232	Cs-134	0.0121 U	0.031	0.0036	0.0864	0.00 - 0.50
5B-00103	20232	Cs-137	-8E-04 U	0.011	0.0033	0.207	0.00 - 0.50
5B-00103	20232	Eu-152	0.0144 U	0.03	0.0078	0.0566	0.00 - 0.50
5B-00103	20232	Eu-154	0.006 U	0.071	0.0058	0.15	0.00 - 0.50
5B-00103	20232	Eu-155	0.09 SK	0.029	0.013	0.231	0.00 - 0.50
5B-00103	20232	Ho-166m	0.0133 SK	0.017	0.0047	0.0432	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00103	20232	K-40	19.5	0.14	0.65	32.4	0.00 - 0.50
5B-00103	20232	Na-22	-0.005 U	0.017	0.0052	0.037	0.00 - 0.50
5B-00103	20232	Nb-94	-0.002 U	0.0094	0.0028	0.0214	0.00 - 0.50
5B-00103	20232	Np-236	0.0111 SK	0.022	0.0068	0.047	0.00 - 0.50
5B-00103	20232	Np-239	-0.003 U	0.072	0.022	0.139	0.00 - 0.50
5B-00103	20232	Pa-231	0.19 U	0.45	0.14	0.936	0.00 - 0.50
5B-00103	20232	Pb-212	1.52	0.019	0.08	2.69	0.00 - 0.50
5B-00103	20232	Pb-214	0.753	0.02	0.029	1.7	0.00 - 0.50
5B-00103	20232	Pu-236	0 U	0.0017	0.0007	7.79	0.00 - 0.50
5B-00103	20232	Pu-238	-0.003 U	0.0075	0.0014	0.0415	0.00 - 0.50
5B-00103	20232	Pu-239/240	0 U	0.0046	0.0009	0.0404	0.00 - 0.50
5B-00103	20232	Pu-244	0.0019	0.0017	0.0011	0.0313	0.00 - 0.50
5B-00103	20232	Sb-125	0.121 SK	0.03	0.0082	0.354	0.00 - 0.50
5B-00103	20232	Sn-126	-0.001 U	0.0086	0.0026	0.0237	0.00 - 0.50
5B-00103	20232	Sr-90	0.012 U	0.043	0.013	0.485	0.00 - 0.50
5B-00103	20232	Te-125m	0.0279 SK	0.007	0.0019	0.0838	0.00 - 0.50
5B-00103	20232	Th-228	1.33	0.023	0.07	3.98	0.00 - 0.50
5B-00103	20232	Th-229	0.0079	0.014	0.0047	0.145	0.00 - 0.50
5B-00103	20232	Th-230	1	0.014	0.056	2.2	0.00 - 0.50
5B-00103	20232	Th-232	1.31	0.01	0.069	3.1	0.00 - 0.50
5B-00103	20232	Th-234	1.36	0.13	0.078	3.19	0.00 - 0.50
5B-00103	20232	Tl-208	0.466	0.014	0.018	0.937	0.00 - 0.50
5B-00103	20232	Tm-171	-2.4 U	5.1	1.6	72.4	0.00 - 0.50
5B-00103	20232	U-233/234	0.789	0.01	0.043	2.02	0.00 - 0.50
5B-00103	20232	U-235/236	0.0579	0.0082	0.0086	0.151	0.00 - 0.50
5B-00103	20232	U-238	0.78	0.008	0.042	1.8	0.00 - 0.50
5B-00104	20233	Ac-227	0.063	0.081	0.016	0.217	1.00 - 5.00
5B-00104	20233	Ac-228	1.19	0.056	0.046	2.4	1.00 - 5.00
5B-00104	20233	Am-241	0.0021	0.0019	0.0012	0.0454	1.00 - 5.00
5B-00104	20233	Bi-212	0.957	0.077	0.046	2.15	1.00 - 5.00
5B-00104	20233	Bi-214	0.744	0.018	0.028	1.59	1.00 - 5.00
5B-00104	20233	Cd-113m	-1 U	29	8.7	3030	1.00 - 5.00
5B-00104	20233	Cm-243/244	0.002	0.0018	0.0012	0.0443	1.00 - 5.00
5B-00104	20233	Cm-245/246	0.0017 U K	0.0069	0.0019	0.0401	1.00 - 5.00
5B-00104	20233	Cm-247/248	0 U	0.0025	0.0008	0.0306	1.00 - 5.00
5B-00104	20233	Co-60	0 U	0.012	0.0022	0.028	1.00 - 5.00
5B-00104	20233	Cs-134	0.0085 U J	0.037	0.002	0.0864	1.00 - 5.00
5B-00104	20233	Cs-137	0.003 U	0.011	0.0034	0.207	1.00 - 5.00
5B-00104	20233	Eu-152	-0.009 U	0.027	0.0082	0.0566	1.00 - 5.00
5B-00104	20233	Eu-154	-6E-04 U	0.069	0.021	0.15	1.00 - 5.00
5B-00104	20233	Eu-155	0.077 SK	0.026	0.011	0.231	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00104	20233	Ho-166m	-0.002 U J	0.017	0.0051	0.0432	1.00 - 5.00
5B-00104	20233	K-40	19.1	0.12	0.63	32.4	1.00 - 5.00
5B-00104	20233	Na-22	0 U	0.017	0.005	0.037	1.00 - 5.00
5B-00104	20233	Nb-94	0.0033 U	0.0093	0.0028	0.0214	1.00 - 5.00
5B-00104	20233	Np-236	-0.005 U	0.022	0.0066	0.047	1.00 - 5.00
5B-00104	20233	Np-239	-0.003 U	0.067	0.02	0.139	1.00 - 5.00
5B-00104	20233	Pa-231	0.14 U	0.43	0.13	0.936	1.00 - 5.00
5B-00104	20233	Pb-212	1.43	0.017	0.075	2.69	1.00 - 5.00
5B-00104	20233	Pb-214	0.847	0.02	0.032	1.7	1.00 - 5.00
5B-00104	20233	Pu-236	0.0007 U	0.002	0.0007	7.79	1.00 - 5.00
5B-00104	20233	Pu-238	0.0017	0.0043	0.0013	0.0415	1.00 - 5.00
5B-00104	20233	Pu-239/240	0.0036	0.002	0.0016	0.0404	1.00 - 5.00
5B-00104	20233	Pu-244	0.0014 U	0.002	0.001	0.0313	1.00 - 5.00
5B-00104	20233	Sb-125	0.0989 SK	0.029	0.0069	0.354	1.00 - 5.00
5B-00104	20233	Sn-126	0.0017 U	0.011	0.0032	0.0237	1.00 - 5.00
5B-00104	20233	Sr-90	0.004 U	0.039	0.012	0.485	1.00 - 5.00
5B-00104	20233	Te-125m	0.0228 SK	0.0068	0.0016	0.0838	1.00 - 5.00
5B-00104	20233	Th-228	1.31	0.019	0.066	3.98	1.00 - 5.00
5B-00104	20233	Th-229	0.0048	0.009	0.003	0.145	1.00 - 5.00
5B-00104	20233	Th-230	0.866	0.01	0.046	2.2	1.00 - 5.00
5B-00104	20233	Th-232	1.3	0.003	0.065	3.1	1.00 - 5.00
5B-00104	20233	Th-234	1.26 R	0.11	0.071	3.19	1.00 - 5.00
5B-00104	20233	Tl-208	0.454	0.013	0.017	0.937	1.00 - 5.00
5B-00104	20233	Tm-171	2.7	4.5	1.4	72.4	1.00 - 5.00
5B-00104	20233	U-233/234	0.747	0.001	0.036	2.02	1.00 - 5.00
5B-00104	20233	U-233/234	0.689	0.001	0.033	2.02	1.00 - 5.00
5B-00104	20233	U-235/236	0.0355	0.0038	0.0046	0.151	1.00 - 5.00
5B-00104	20233	U-235/236	0.0327	0.0035	0.0042	0.151	1.00 - 5.00
5B-00104	20233	U-238	0.783	0.003	0.037	1.8	1.00 - 5.00
5B-00104	20233	U-238	0.722	0.003	0.035	1.8	1.00 - 5.00
5B-00236	20235	Ac-227	0.049 U	0.14	0.05	0.217	0.00 - 0.50
5B-00236	20235	Ac-228	1.11	0.089	0.04	2.4	0.00 - 0.50
5B-00236	20235	Am-241	0.0007 U	0.0075	0.0019	0.0454	0.00 - 0.50
5B-00236	20235	Bi-212	0.996	0.15	0.089	2.15	0.00 - 0.50
5B-00236	20235	Bi-214	0.785	0.026	0.029	1.59	0.00 - 0.50
5B-00236	20235	Cd-113m	14 U	40	12	3030	0.00 - 0.50
5B-00236	20235	Cm-243/244	0.0014 U J	0.005	0.0014	0.0443	0.00 - 0.50
5B-00236	20235	Cm-245/246	0.0026 U J	0.0036	0.0019	0.0401	0.00 - 0.50
5B-00236	20235	Cm-247/248	0.0013 U J	0.0035	0.0013	0.0306	0.00 - 0.50
5B-00236	20235	Co-60	0.0064 U	0.018	0.0053	0.028	0.00 - 0.50
5B-00236	20235	Cs-134	0.0098 SK	0.019	0.0027	0.0864	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00236	20235	Cs-137	0.0098	0.019	0.0069	0.207	0.00 - 0.50
5B-00236	20235	Eu-152	-0.001 U	0.038	0.0016	0.0566	0.00 - 0.50
5B-00236	20235	Eu-154	-0.006 U	0.11	0.0046	0.15	0.00 - 0.50
5B-00236	20235	Eu-155	0.073 SK	0.034	0.013	0.231	0.00 - 0.50
5B-00236	20235	Ho-166m	0.0064 U	0.022	0.0066	0.0432	0.00 - 0.50
5B-00236	20235	K-40	20.2	0.13	0.62	32.4	0.00 - 0.50
5B-00236	20235	Na-22	0.0022 U	0.027	0.008	0.037	0.00 - 0.50
5B-00236	20235	Nb-94	0.0075 SK	0.015	0.0045	0.0214	0.00 - 0.50
5B-00236	20235	Np-236	0.0037 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00236	20235	Np-239	0.007 U	0.082	0.025	0.139	0.00 - 0.50
5B-00236	20235	Pa-231	-0.13 U	0.59	0.18	0.936	0.00 - 0.50
5B-00236	20235	Pb-212	1.39	0.025	0.057	2.69	0.00 - 0.50
5B-00236	20235	Pb-214	0.881	0.028	0.031	1.7	0.00 - 0.50
5B-00236	20235	Pu-236	-9E-04 U	0.006	0.0014	7.79	0.00 - 0.50
5B-00236	20235	Pu-238	0.0009 U	0.0034	0.001	0.0415	0.00 - 0.50
5B-00236	20235	Pu-239/240	0 U	0.0012	0.0005	0.0404	0.00 - 0.50
5B-00236	20235	Pu-244	0.0028	0.0012	0.0011	0.0313	0.00 - 0.50
5B-00236	20235	Sb-125	0.13 RSK	0.043	0.012	0.354	0.00 - 0.50
5B-00236	20235	Sn-126	0.0064 U	0.014	0.0042	0.0237	0.00 - 0.50
5B-00236	20235	Sr-90	0.009 U	0.067	0.02	0.485	0.00 - 0.50
5B-00236	20235	Te-125m	0.0299 RSK	0.01	0.0028	0.0838	0.00 - 0.50
5B-00236	20235	Th-228	1.15	0.015	0.059	3.98	0.00 - 0.50
5B-00236	20235	Th-229	0.0049	0.0033	0.0024	0.145	0.00 - 0.50
5B-00236	20235	Th-230	0.786	0.003	0.043	2.2	0.00 - 0.50
5B-00236	20235	Th-232	1.06	0.007	0.054	3.1	0.00 - 0.50
5B-00236	20235	Th-234	0.272	0.16	0.049	3.19	0.00 - 0.50
5B-00236	20235	Tl-208	0.432	0.018	0.017	0.937	0.00 - 0.50
5B-00236	20235	Tm-171	-0.4 U	4.6	1.4	72.4	0.00 - 0.50
5B-00236	20235	U-233/234	0.63	0.011	0.039	2.02	0.00 - 0.50
5B-00236	20235	U-235/236	0.0354	0.0042	0.0075	0.151	0.00 - 0.50
5B-00236	20235	U-238	0.635	0.009	0.039	1.8	0.00 - 0.50
5B-00054	20242	Ac-227	0.034 U	0.11	0.02	0.217	0.00 - 0.50
5B-00054	20242	Ac-228	1.2	0.089	0.043	2.4	0.00 - 0.50
5B-00054	20242	Am-241	-0.002 U	0.0096	0.0021	0.0454	0.00 - 0.50
5B-00054	20242	Bi-212	0.975	0.11	0.067	2.15	0.00 - 0.50
5B-00054	20242	Bi-214	0.83	0.025	0.03	1.59	0.00 - 0.50
5B-00054	20242	Cd-113m	54	35	16	3030	0.00 - 0.50
5B-00054	20242	Cm-243/244	0.0016 U	0.0021	0.0011	0.0443	0.00 - 0.50
5B-00054	20242	Cm-245/246	0 U J	0.006	0.0012	0.0401	0.00 - 0.50
5B-00054	20242	Cm-247/248	0.0008 U J	0.0022	0.0008	0.0306	0.00 - 0.50
5B-00054	20242	Co-60	-0.004 U	0.017	0.0051	0.028	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00054	20242	Cs-134	0.0149 U	0.061	0.0048	0.0864	0.00 - 0.50
5B-00054	20242	Cs-137	0.0002 U	0.017	0.0051	0.207	0.00 - 0.50
5B-00054	20242	Eu-152	-0.014 U	0.041	0.012	0.0566	0.00 - 0.50
5B-00054	20242	Eu-154	-0.043 U	0.1	0.031	0.15	0.00 - 0.50
5B-00054	20242	Eu-155	0.066 SK	0.046	0.019	0.231	0.00 - 0.50
5B-00054	20242	Ho-166m	0.0127 SK	0.022	0.0065	0.0432	0.00 - 0.50
5B-00054	20242	K-40	19.1	0.12	0.58	32.4	0.00 - 0.50
5B-00054	20242	Na-22	-0.007 U	0.023	0.007	0.037	0.00 - 0.50
5B-00054	20242	Nb-94	0.0062 U	0.014	0.0041	0.0214	0.00 - 0.50
5B-00054	20242	Np-236	-0.007 U	0.037	0.011	0.047	0.00 - 0.50
5B-00054	20242	Np-239	-0.013 U	0.092	0.028	0.139	0.00 - 0.50
5B-00054	20242	Pa-231	-0.2 U	0.63	0.19	0.936	0.00 - 0.50
5B-00054	20242	Pb-212	1.52	0.024	0.046	2.69	0.00 - 0.50
5B-00054	20242	Pb-214	0.872	0.028	0.038	1.7	0.00 - 0.50
5B-00054	20242	Pu-236	0 U	0.0011	0.0005	7.79	0.00 - 0.50
5B-00054	20242	Pu-238	-0.001 U	0.0044	0.0008	0.0415	0.00 - 0.50
5B-00054	20242	Pu-239/240	0 U	0.0011	0.0005	0.0404	0.00 - 0.50
5B-00054	20242	Pu-244	0.0016	0.0011	0.0008	0.0313	0.00 - 0.50
5B-00054	20242	Sb-125	0.151 SK	0.04	0.012	0.354	0.00 - 0.50
5B-00054	20242	Sn-126	0.0024 U	0.015	0.0046	0.0237	0.00 - 0.50
5B-00054	20242	Sr-90	0.008 U	0.042	0.012	0.485	0.00 - 0.50
5B-00054	20242	Te-125m	0.0348 SK	0.0093	0.0029	0.0838	0.00 - 0.50
5B-00054	20242	Th-228	1.24	0.015	0.063	3.98	0.00 - 0.50
5B-00054	20242	Th-229	0.0147	0.0064	0.0039	0.145	0.00 - 0.50
5B-00054	20242	Th-230	0.866	0.003	0.046	2.2	0.00 - 0.50
5B-00054	20242	Th-232	1.22	0.003	0.061	3.1	0.00 - 0.50
5B-00054	20242	Th-234	1.26	0.21	0.077	3.19	0.00 - 0.50
5B-00054	20242	Tl-208	0.462	0.018	0.018	0.937	0.00 - 0.50
5B-00054	20242	Tm-171	-13.1 R U	9	2.8	72.4	0.00 - 0.50
5B-00054	20242	U-233/234	0.703	0.003	0.041	2.02	0.00 - 0.50
5B-00054	20242	U-235/236	0.0402	0.013	0.0084	0.151	0.00 - 0.50
5B-00054	20242	U-238	0.693	0.003	0.041	1.8	0.00 - 0.50
5B-00105	20243	Ac-227	0.036 U	0.1	0.033	0.217	1.00 - 5.00
5B-00105	20243	Ac-228	1.11	0.052	0.039	2.4	1.00 - 5.00
5B-00105	20243	Am-241	0.0032	0.0059	0.002	0.0454	1.00 - 5.00
5B-00105	20243	Bi-212	0.933	0.098	0.064	2.15	1.00 - 5.00
5B-00105	20243	Bi-214	0.668	0.016	0.025	1.59	1.00 - 5.00
5B-00105	20243	Cd-113m	-5.6 U	30	9.1	3030	1.00 - 5.00
5B-00105	20243	Cm-243/244	-0.002 U	0.012	0.0029	0.0443	1.00 - 5.00
5B-00105	20243	Cm-245/246	0 U J	0.0073	0.0015	0.0401	1.00 - 5.00
5B-00105	20243	Cm-247/248	-0.002 U	0.009	0.0015	0.0306	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00105	20243	Co-60	0.0006 U	0.013	0.0004	0.028	1.00 - 5.00
5B-00105	20243	Cs-134	0.0077 U	0.027	0.0019	0.0864	1.00 - 5.00
5B-00105	20243	Cs-137	-0.007 U	0.011	0.0034	0.207	1.00 - 5.00
5B-00105	20243	Eu-152	0.0123 U	0.025	0.0059	0.0566	1.00 - 5.00
5B-00105	20243	Eu-154	-0.018 U	0.062	0.019	0.15	1.00 - 5.00
5B-00105	20243	Eu-155	0.073 SK	0.027	0.011	0.231	1.00 - 5.00
5B-00105	20243	Ho-166m	0.0069 U	0.016	0.0034	0.0432	1.00 - 5.00
5B-00105	20243	K-40	18.9	0.12	0.63	32.4	1.00 - 5.00
5B-00105	20243	Na-22	-0.001 U	0.013	0.0039	0.037	1.00 - 5.00
5B-00105	20243	Nb-94	0.0028 U	0.009	0.0027	0.0214	1.00 - 5.00
5B-00105	20243	Np-236	-0.002 U	0.021	0.0064	0.047	1.00 - 5.00
5B-00105	20243	Np-239	0.014 U	0.064	0.019	0.139	1.00 - 5.00
5B-00105	20243	Pa-231	0.1 U	0.41	0.12	0.936	1.00 - 5.00
5B-00105	20243	Pb-212	1.46	0.018	0.077	2.69	1.00 - 5.00
5B-00105	20243	Pb-214	0.748	0.021	0.029	1.7	1.00 - 5.00
5B-00105	20243	Pu-236	-5E-04 U	0.0045	0.0005	7.79	1.00 - 5.00
5B-00105	20243	Pu-238	-0.001 U	0.0069	0.0013	0.0415	1.00 - 5.00
5B-00105	20243	Pu-239/240	0 U	0.002	0.0007	0.0404	1.00 - 5.00
5B-00105	20243	Pu-244	0.0026	0.0045	0.0016	0.0313	1.00 - 5.00
5B-00105	20243	Sb-125	0.134 JSK	0.027	0.0087	0.354	1.00 - 5.00
5B-00105	20243	Sn-126	0.0013 U	0.0089	0.0027	0.0237	1.00 - 5.00
5B-00105	20243	Sr-90	0.0087 U	0.03	0.0089	0.485	1.00 - 5.00
5B-00105	20243	Te-125m	0.0309 JSK	0.0062	0.002	0.0838	1.00 - 5.00
5B-00105	20243	Th-228	1.32	0.018	0.068	3.98	1.00 - 5.00
5B-00105	20243	Th-229	0.0073	0.011	0.004	0.145	1.00 - 5.00
5B-00105	20243	Th-230	1.02	0.013	0.055	2.2	1.00 - 5.00
5B-00105	20243	Th-232	1.23	0.009	0.064	3.1	1.00 - 5.00
5B-00105	20243	Th-234	1.35 R	0.11	0.075	3.19	1.00 - 5.00
5B-00105	20243	Tl-208	0.448	0.012	0.017	0.937	1.00 - 5.00
5B-00105	20243	Tm-171	-0.7 U	4.9	1.5	72.4	1.00 - 5.00
5B-00105	20243	U-233/234	0.842	0.01	0.046	2.02	1.00 - 5.00
5B-00105	20243	U-235/236	0.0468	0.0096	0.0082	0.151	1.00 - 5.00
5B-00105	20243	U-238	0.85	0.01	0.047	1.8	1.00 - 5.00
5B-00105	20244	Ac-227	0.03 U	0.14	0.052	0.217	0.00 - 0.50
5B-00105	20244	Ac-228	1.25	0.099	0.046	2.4	0.00 - 0.50
5B-00105	20244	Am-241	0 U	0.0054	0.0011	0.0454	0.00 - 0.50
5B-00105	20244	Bi-212	1.05	0.13	0.073	2.15	0.00 - 0.50
5B-00105	20244	Bi-214	0.763	0.027	0.029	1.59	0.00 - 0.50
5B-00105	20244	Cd-113m	16 U	37	11	3030	0.00 - 0.50
5B-00105	20244	Cm-243/244	-7E-04 U	0.0067	0.0014	0.0443	0.00 - 0.50
5B-00105	20244	Cm-245/246	0.0007 U	0.0019	0.0007	0.0401	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00105	20244	Cm-247/248	0.0021	0.0019	0.0012	0.0306	0.00 - 0.50
5B-00105	20244	Co-60	-0.005 U	0.021	0.0064	0.028	0.00 - 0.50
5B-00105	20244	Cs-134	0.0088 SK	0.017	0.0028	0.0864	0.00 - 0.50
5B-00105	20244	Cs-137	0.0083 U	0.019	0.007	0.207	0.00 - 0.50
5B-00105	20244	Eu-152	0.002 U	0.039	0.013	0.0566	0.00 - 0.50
5B-00105	20244	Eu-154	-0.031 U	0.11	0.033	0.15	0.00 - 0.50
5B-00105	20244	Eu-155	0.082 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00105	20244	Ho-166m	0.0117 U	0.025	0.0072	0.0432	0.00 - 0.50
5B-00105	20244	K-40	19.6	0.16	0.6	32.4	0.00 - 0.50
5B-00105	20244	Na-22	0.0046 U	0.022	0.0065	0.037	0.00 - 0.50
5B-00105	20244	Nb-94	0.0045 U	0.015	0.0031	0.0214	0.00 - 0.50
5B-00105	20244	Np-236	0.0042 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00105	20244	Np-239	0.018 U	0.079	0.024	0.139	0.00 - 0.50
5B-00105	20244	Pa-231	0 U	0.59	0.058	0.936	0.00 - 0.50
5B-00105	20244	Pb-212	1.61	0.024	0.066	2.69	0.00 - 0.50
5B-00105	20244	Pb-214	0.843	0.03	0.031	1.7	0.00 - 0.50
5B-00105	20244	Pu-236	0.0017	0.0042	0.0013	7.79	0.00 - 0.50
5B-00105	20244	Pu-238	0.0006 U	0.0051	0.0012	0.0415	0.00 - 0.50
5B-00105	20244	Pu-239/240	0.0021	0.0019	0.0012	0.0404	0.00 - 0.50
5B-00105	20244	Pu-244	0.0021	0.0019	0.0012	0.0313	0.00 - 0.50
5B-00105	20244	Sb-125	0.134 SK	0.042	0.011	0.354	0.00 - 0.50
5B-00105	20244	Sn-126	-0.004 U	0.018	0.0054	0.0237	0.00 - 0.50
5B-00105	20244	Sr-90	-9E-04 U	0.051	0.015	0.485	0.00 - 0.50
5B-00105	20244	Te-125m	0.031 SK	0.0097	0.0026	0.0838	0.00 - 0.50
5B-00105	20244	Th-228	1.21	0.015	0.061	3.98	0.00 - 0.50
5B-00105	20244	Th-229	0.0089	0.0027	0.003	0.145	0.00 - 0.50
5B-00105	20244	Th-230	0.774	0.01	0.042	2.2	0.00 - 0.50
5B-00105	20244	Th-232	1.08	0.003	0.055	3.1	0.00 - 0.50
5B-00105	20244	Th-234	0.221	0.16	0.05	3.19	0.00 - 0.50
5B-00105	20244	Tl-208	0.499	0.018	0.019	0.937	0.00 - 0.50
5B-00105	20244	Tm-171	-0.6 U	6.1	1.8	72.4	0.00 - 0.50
5B-00105	20244	U-233/234	0.604	0.002	0.034	2.02	0.00 - 0.50
5B-00105	20244	U-235/236	0.026	0.008	0.0057	0.151	0.00 - 0.50
5B-00105	20244	U-238	0.597	0.008	0.034	1.8	0.00 - 0.50
5B-00106	20245	Ac-227	0.049 U	0.13	0.04	0.217	1.00 - 5.00
5B-00106	20245	Ac-228	1.2	0.078	0.04	2.4	1.00 - 5.00
5B-00106	20245	Am-241	0.0046	0.007	0.0024	0.0454	1.00 - 5.00
5B-00106	20245	Bi-212	0.927	0.12	0.068	2.15	1.00 - 5.00
5B-00106	20245	Bi-214	0.767	0.025	0.029	1.59	1.00 - 5.00
5B-00106	20245	Cd-113m	12 U	39	12	3030	1.00 - 5.00
5B-00106	20245	Cm-243/244	-0.001 U	0.0084	0.002	0.0443	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00106	20245	Cm-245/246	0.0004 U	0.0056	0.0011	0.0401	1.00 - 5.00
5B-00106	20245	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	1.00 - 5.00
5B-00106	20245	Co-60	-4E-04 U	0.018	0.0054	0.028	1.00 - 5.00
5B-00106	20245	Cs-134	0.0128 U J	0.047	0.0044	0.0864	1.00 - 5.00
5B-00106	20245	Cs-137	0.0025 U	0.015	0.0046	0.207	1.00 - 5.00
5B-00106	20245	Eu-152	-0.005 U	0.037	0.011	0.0566	1.00 - 5.00
5B-00106	20245	Eu-154	-0.026 U	0.097	0.029	0.15	1.00 - 5.00
5B-00106	20245	Eu-155	0.053 SK	0.033	0.014	0.231	1.00 - 5.00
5B-00106	20245	Ho-166m	0.0275 JSK	0.024	0.0038	0.0432	1.00 - 5.00
5B-00106	20245	K-40	19.3	0.13	0.58	32.4	1.00 - 5.00
5B-00106	20245	Na-22	0.0016 U	0.028	0.0083	0.037	1.00 - 5.00
5B-00106	20245	Nb-94	0.0156 SK	0.011	0.0055	0.0214	1.00 - 5.00
5B-00106	20245	Np-236	-4E-04 U	0.028	0.0083	0.047	1.00 - 5.00
5B-00106	20245	Np-239	0.011 U	0.081	0.024	0.139	1.00 - 5.00
5B-00106	20245	Pa-231	-0.14 U	0.55	0.17	0.936	1.00 - 5.00
5B-00106	20245	Pb-212	1.56	0.022	0.063	2.69	1.00 - 5.00
5B-00106	20245	Pb-214	0.843	0.026	0.03	1.7	1.00 - 5.00
5B-00106	20245	Pu-236	0 U	0.0018	0.0006	7.79	1.00 - 5.00
5B-00106	20245	Pu-238	0.0033	0.0018	0.0015	0.0415	1.00 - 5.00
5B-00106	20245	Pu-239/240	0.0007 U	0.0018	0.0007	0.0404	1.00 - 5.00
5B-00106	20245	Pu-244	0.0013	0.0018	0.0009	0.0313	1.00 - 5.00
5B-00106	20245	Sb-125	0.145 SK	0.032	0.011	0.354	1.00 - 5.00
5B-00106	20245	Sn-126	0.0002 U	0.014	0.0043	0.0237	1.00 - 5.00
5B-00106	20245	Sr-90	0.0126 U	0.028	0.0086	0.485	1.00 - 5.00
5B-00106	20245	Te-125m	0.0334 SK	0.0073	0.0026	0.0838	1.00 - 5.00
5B-00106	20245	Th-228	1.34	0.028	0.071	3.98	1.00 - 5.00
5B-00106	20245	Th-229	0.0037	0.0068	0.0023	0.145	1.00 - 5.00
5B-00106	20245	Th-230	1.01	0.012	0.056	2.2	1.00 - 5.00
5B-00106	20245	Th-232	1.28	0.01	0.068	3.1	1.00 - 5.00
5B-00106	20245	Th-234	0.314 R	0.15	0.048	3.19	1.00 - 5.00
5B-00106	20245	Tl-208	0.497	0.017	0.019	0.937	1.00 - 5.00
5B-00106	20245	Tm-171	-0.5 U	5	1.5	72.4	1.00 - 5.00
5B-00106	20245	U-233/234	0.84	0.01	0.049	2.02	1.00 - 5.00
5B-00106	20245	U-233/234	0.775	0.009	0.045	2.02	1.00 - 5.00
5B-00106	20245	U-235/236	0.0446	0.0045	0.0088	0.151	1.00 - 5.00
5B-00106	20245	U-235/236	0.0411	0.0041	0.0081	0.151	1.00 - 5.00
5B-00106	20245	U-238	0.862	0.01	0.05	1.8	1.00 - 5.00
5B-00106	20245	U-238	0.795	0.009	0.046	1.8	1.00 - 5.00
5B-00107	20246	Ac-227	0.025 U	0.11	0.028	0.217	1.00 - 5.00
5B-00107	20246	Ac-228	1.17	0.059	0.041	2.4	1.00 - 5.00
5B-00107	20246	Am-241	-0.003 U	0.011	0.0024	0.0454	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00107	20246	Bi-212	1	0.097	0.066	2.15	1.00 - 5.00
5B-00107	20246	Bi-214	0.683	0.018	0.026	1.59	1.00 - 5.00
5B-00107	20246	Cd-113m	-10.2 U	29	8.8	3030	1.00 - 5.00
5B-00107	20246	Cm-243/244	-0.003 U	0.011	0.0022	0.0443	1.00 - 5.00
5B-00107	20246	Cm-245/246	0.0058 J	0.0031	0.0026	0.0401	1.00 - 5.00
5B-00107	20246	Cm-247/248	0 U	0.0084	0.0017	0.0306	1.00 - 5.00
5B-00107	20246	Co-60	0.0002 U	0.012	0.0002	0.028	1.00 - 5.00
5B-00107	20246	Cs-134	0.0098 U	0.037	0.0033	0.0864	1.00 - 5.00
5B-00107	20246	Cs-137	0.0013 U	0.012	0.0035	0.207	1.00 - 5.00
5B-00107	20246	Eu-152	-0.013 U	0.026	0.0078	0.0566	1.00 - 5.00
5B-00107	20246	Eu-154	-0.026 U	0.074	0.022	0.15	1.00 - 5.00
5B-00107	20246	Eu-155	0.074 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00107	20246	Ho-166m	0 U	0.015	0.0045	0.0432	1.00 - 5.00
5B-00107	20246	K-40	19.9	0.12	0.66	32.4	1.00 - 5.00
5B-00107	20246	Na-22	0 U	0.016	0.0047	0.037	1.00 - 5.00
5B-00107	20246	Nb-94	0.003 U	0.01	0.0031	0.0214	1.00 - 5.00
5B-00107	20246	Np-236	-7E-04 U	0.024	0.0074	0.047	1.00 - 5.00
5B-00107	20246	Np-239	0.011 U	0.069	0.021	0.139	1.00 - 5.00
5B-00107	20246	Pa-231	0.129 U	0.31	0.094	0.936	1.00 - 5.00
5B-00107	20246	Pb-212	1.47	0.019	0.077	2.69	1.00 - 5.00
5B-00107	20246	Pb-214	0.76	0.02	0.029	1.7	1.00 - 5.00
5B-00107	20246	Pu-236	-0.001 U	0.0067	0.0012	7.79	1.00 - 5.00
5B-00107	20246	Pu-238	0.0026	0.0067	0.002	0.0415	1.00 - 5.00
5B-00107	20246	Pu-239/240	0.0007 U	0.002	0.0007	0.0404	1.00 - 5.00
5B-00107	20246	Pu-244	0.0036	0.002	0.0016	0.0313	1.00 - 5.00
5B-00107	20246	Sb-125	0.135 JSK	0.025	0.0091	0.354	1.00 - 5.00
5B-00107	20246	Sn-126	0 U	0.011	0.0034	0.0237	1.00 - 5.00
5B-00107	20246	Sr-90	0.012 U	0.034	0.01	0.485	1.00 - 5.00
5B-00107	20246	Te-125m	0.0311 JSK	0.0058	0.0021	0.0838	1.00 - 5.00
5B-00107	20246	Th-228	1.25	0.016	0.064	3.98	1.00 - 5.00
5B-00107	20246	Th-229	0.0128	0.012	0.0047	0.145	1.00 - 5.00
5B-00107	20246	Th-230	0.785	0.003	0.044	2.2	1.00 - 5.00
5B-00107	20246	Th-232	1.15	0.012	0.06	3.1	1.00 - 5.00
5B-00107	20246	Th-234	1.28 R	0.12	0.074	3.19	1.00 - 5.00
5B-00107	20246	Tl-208	0.457	0.014	0.018	0.937	1.00 - 5.00
5B-00107	20246	Tm-171	-1.5 U	4.7	1.4	72.4	1.00 - 5.00
5B-00107	20246	U-233/234	0.693	0.008	0.038	2.02	1.00 - 5.00
5B-00107	20246	U-235/236	0.0311	0.0028	0.0058	0.151	1.00 - 5.00
5B-00107	20246	U-238	0.756	0.006	0.04	1.8	1.00 - 5.00
5B-00108	20247	Ac-227	0.079	0.079	0.016	0.217	1.00 - 5.00
5B-00108	20247	Ac-228	1.27	0.064	0.044	2.4	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00108	20247	Am-241	0.0018 U K	0.0024	0.0012	0.0454	1.00 - 5.00
5B-00108	20247	Bi-212	1.04	0.11	0.074	2.15	1.00 - 5.00
5B-00108	20247	Bi-214	0.972	0.023	0.037	1.59	1.00 - 5.00
5B-00108	20247	Cd-113m	-0.4 U	32	9.5	3030	1.00 - 5.00
5B-00108	20247	Cm-243/244	0.0009 U	0.0023	0.0009	0.0443	1.00 - 5.00
5B-00108	20247	Cm-245/246	0.0053 J	0.0093	0.0033	0.0401	1.00 - 5.00
5B-00108	20247	Cm-247/248	0 U	0.0042	0.0013	0.0306	1.00 - 5.00
5B-00108	20247	Co-60	-0.001 U	0.014	0.0043	0.028	1.00 - 5.00
5B-00108	20247	Cs-134	0.0105 U J	0.039	0.0029	0.0864	1.00 - 5.00
5B-00108	20247	Cs-137	0.0095	0.009	0.0038	0.207	1.00 - 5.00
5B-00108	20247	Eu-152	-0.006 U	0.032	0.0095	0.0566	1.00 - 5.00
5B-00108	20247	Eu-154	-0.015 U	0.077	0.023	0.15	1.00 - 5.00
5B-00108	20247	Eu-155	0.081 SK	0.033	0.014	0.231	1.00 - 5.00
5B-00108	20247	Ho-166m	0.0025 U J	0.02	0.0023	0.0432	1.00 - 5.00
5B-00108	20247	K-40	20.5	0.15	0.68	32.4	1.00 - 5.00
5B-00108	20247	Na-22	0.0008 U	0.018	0.0054	0.037	1.00 - 5.00
5B-00108	20247	Nb-94	0.0068 SK	0.01	0.0032	0.0214	1.00 - 5.00
5B-00108	20247	Np-236	-0.001 U	0.027	0.0082	0.047	1.00 - 5.00
5B-00108	20247	Np-239	-0.012 U	0.076	0.023	0.139	1.00 - 5.00
5B-00108	20247	Pa-231	0.0007 U	0.49	0.15	0.936	1.00 - 5.00
5B-00108	20247	Pb-212	1.64	0.021	0.086	2.69	1.00 - 5.00
5B-00108	20247	Pb-214	1.09	0.022	0.04	1.7	1.00 - 5.00
5B-00108	20247	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 5.00
5B-00108	20247	Pu-238	0.0003 U	0.0045	0.0009	0.0415	1.00 - 5.00
5B-00108	20247	Pu-239/240	0.0023	0.0021	0.0013	0.0404	1.00 - 5.00
5B-00108	20247	Pu-244	0.0003 U	0.0045	0.0009	0.0313	1.00 - 5.00
5B-00108	20247	Sb-125	0.141 SK	0.032	0.01	0.354	1.00 - 5.00
5B-00108	20247	Sn-126	0.0026 U	0.012	0.0036	0.0237	1.00 - 5.00
5B-00108	20247	Sr-90	0.015 U	0.039	0.012	0.485	1.00 - 5.00
5B-00108	20247	Te-125m	0.0327 SK	0.0074	0.0023	0.0838	1.00 - 5.00
5B-00108	20247	Th-228	1.26	0.011	0.062	3.98	1.00 - 5.00
5B-00108	20247	Th-229	0.0111	0.0088	0.0038	0.145	1.00 - 5.00
5B-00108	20247	Th-230	0.916	0.002	0.047	2.2	1.00 - 5.00
5B-00108	20247	Th-232	1.25	0.009	0.061	3.1	1.00 - 5.00
5B-00108	20247	Th-234	1.56 R	0.13	0.086	3.19	1.00 - 5.00
5B-00108	20247	Tl-208	0.481	0.015	0.019	0.937	1.00 - 5.00
5B-00108	20247	Tm-171	-2.9 U	5	1.5	72.4	1.00 - 5.00
5B-00108	20247	U-233/234	0.788	0.013	0.044	2.02	1.00 - 5.00
5B-00108	20247	U-233/234	0.726	0.012	0.041	2.02	1.00 - 5.00
5B-00108	20247	U-235/236	0.0527	0.0037	0.0087	0.151	1.00 - 5.00
5B-00108	20247	U-235/236	0.0486	0.0034	0.0081	0.151	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00108	20247	U-238	0.844	0.012	0.047	1.8	1.00 - 5.00
5B-00108	20247	U-238	0.779	0.011	0.043	1.8	1.00 - 5.00
5B-00108	20248	Ac-227	0.049 U	0.14	0.044	0.217	0.00 - 0.50
5B-00108	20248	Ac-228	1.26	0.092	0.045	2.4	0.00 - 0.50
5B-00108	20248	Am-241	0 U	0.0073	0.0017	0.0454	0.00 - 0.50
5B-00108	20248	Bi-212	0.999	0.15	0.083	2.15	0.00 - 0.50
5B-00108	20248	Bi-214	0.782	0.026	0.029	1.59	0.00 - 0.50
5B-00108	20248	Cd-113m	2 U	42	13	3030	0.00 - 0.50
5B-00108	20248	Cm-243/244	0.0008 U	0.0021	0.0008	0.0443	0.00 - 0.50
5B-00108	20248	Cm-245/246	0.0009 U J	0.0024	0.0009	0.0401	0.00 - 0.50
5B-00108	20248	Cm-247/248	0.0035	0.0065	0.0022	0.0306	0.00 - 0.50
5B-00108	20248	Co-60	0.0035 U	0.021	0.0036	0.028	0.00 - 0.50
5B-00108	20248	Cs-134	0.0056 U	0.019	0.0028	0.0864	0.00 - 0.50
5B-00108	20248	Cs-137	0.0195	0.019	0.0068	0.207	0.00 - 0.50
5B-00108	20248	Eu-152	0.014 U	0.04	0.017	0.0566	0.00 - 0.50
5B-00108	20248	Eu-154	-0.052 U	0.12	0.035	0.15	0.00 - 0.50
5B-00108	20248	Eu-155	0.093 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00108	20248	Ho-166m	0.0137 U	0.028	0.0062	0.0432	0.00 - 0.50
5B-00108	20248	K-40	20.3	0.15	0.62	32.4	0.00 - 0.50
5B-00108	20248	Na-22	-0.005 U	0.026	0.0079	0.037	0.00 - 0.50
5B-00108	20248	Nb-94	0.0033 U	0.015	0.0033	0.0214	0.00 - 0.50
5B-00108	20248	Np-236	0.0077 U	0.029	0.0086	0.047	0.00 - 0.50
5B-00108	20248	Np-239	0.028 U	0.072	0.022	0.139	0.00 - 0.50
5B-00108	20248	Pa-231	-0.01 U	0.61	0.18	0.936	0.00 - 0.50
5B-00108	20248	Pb-212	1.64	0.029	0.068	2.69	0.00 - 0.50
5B-00108	20248	Pb-214	0.823	0.027	0.03	1.7	0.00 - 0.50
5B-00108	20248	Pu-236	-0.003 U	0.0098	0.0018	7.79	0.00 - 0.50
5B-00108	20248	Pu-238	0.0012 U	0.0051	0.0014	0.0415	0.00 - 0.50
5B-00108	20248	Pu-239/240	0.0017	0.0023	0.0012	0.0404	0.00 - 0.50
5B-00108	20248	Pu-244	0.0017	0.0023	0.0012	0.0313	0.00 - 0.50
5B-00108	20248	Sb-125	0.173 SK	0.046	0.013	0.354	0.00 - 0.50
5B-00108	20248	Sn-126	-7E-04 U	0.016	0.0048	0.0237	0.00 - 0.50
5B-00108	20248	Sr-90	-0.013 U	0.051	0.014	0.485	0.00 - 0.50
5B-00108	20248	Te-125m	0.0399 SK	0.011	0.0031	0.0838	0.00 - 0.50
5B-00108	20248	Th-228	1.02	0.014	0.053	3.98	0.00 - 0.50
5B-00108	20248	Th-229	0.0052	0.0095	0.0032	0.145	0.00 - 0.50
5B-00108	20248	Th-230	0.664	0.002	0.037	2.2	0.00 - 0.50
5B-00108	20248	Th-232	1.02	0.007	0.053	3.1	0.00 - 0.50
5B-00108	20248	Th-234	0.34	0.16	0.05	3.19	0.00 - 0.50
5B-00108	20248	Tl-208	0.514	0.019	0.02	0.937	0.00 - 0.50
5B-00108	20248	Tm-171	0.2 U	6	1.8	72.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00108	20248	U-233/234	0.634	0.003	0.036	2.02	0.00 - 0.50
5B-00108	20248	U-235/236	0.0386	0.0032	0.0069	0.151	0.00 - 0.50
5B-00108	20248	U-238	0.672	0.003	0.038	1.8	0.00 - 0.50
5B-00109	20249	Ac-227	0.048 U	0.13	0.019	0.217	1.00 - 5.00
5B-00109	20249	Ac-228	1.22	0.1	0.045	2.4	1.00 - 5.00
5B-00109	20249	Am-241	0.0034	0.003	0.0019	0.0454	1.00 - 5.00
5B-00109	20249	Bi-212	0.96	0.11	0.064	2.15	1.00 - 5.00
5B-00109	20249	Bi-214	0.679	0.026	0.027	1.59	1.00 - 5.00
5B-00109	20249	Cd-113m	5 U	38	11	3030	1.00 - 5.00
5B-00109	20249	Cm-243/244	0.0011 U	0.003	0.0011	0.0443	1.00 - 5.00
5B-00109	20249	Cm-245/246	0.0017 U J	0.0061	0.0017	0.0401	1.00 - 5.00
5B-00109	20249	Cm-247/248	0 U	0.0022	0.0009	0.0306	1.00 - 5.00
5B-00109	20249	Co-60	0.0013 U	0.018	0.0028	0.028	1.00 - 5.00
5B-00109	20249	Cs-134	0.0075 U	0.043	0.0035	0.0864	1.00 - 5.00
5B-00109	20249	Cs-137	0.0033 U	0.014	0.0041	0.207	1.00 - 5.00
5B-00109	20249	Eu-152	-0.015 U	0.033	0.01	0.0566	1.00 - 5.00
5B-00109	20249	Eu-154	-0.027 U	0.094	0.028	0.15	1.00 - 5.00
5B-00109	20249	Eu-155	0.068 SK	0.031	0.012	0.231	1.00 - 5.00
5B-00109	20249	Ho-166m	0.003 U	0.024	0.002	0.0432	1.00 - 5.00
5B-00109	20249	K-40	19.1	0.1	0.58	32.4	1.00 - 5.00
5B-00109	20249	Na-22	0.0052 U	0.022	0.0067	0.037	1.00 - 5.00
5B-00109	20249	Nb-94	0.0032 U	0.013	0.004	0.0214	1.00 - 5.00
5B-00109	20249	Np-236	0.0168 SK	0.026	0.0078	0.047	1.00 - 5.00
5B-00109	20249	Np-239	-0.014 U	0.079	0.024	0.139	1.00 - 5.00
5B-00109	20249	Pa-231	0.008 U	0.54	0.16	0.936	1.00 - 5.00
5B-00109	20249	Pb-212	1.57	0.023	0.064	2.69	1.00 - 5.00
5B-00109	20249	Pb-214	0.749	0.023	0.026	1.7	1.00 - 5.00
5B-00109	20249	Pu-236	-5E-04 U	0.0051	0.0006	7.79	1.00 - 5.00
5B-00109	20249	Pu-238	0.0016 U	0.0063	0.0017	0.0415	1.00 - 5.00
5B-00109	20249	Pu-239/240	0.0009 U	0.0023	0.0009	0.0404	1.00 - 5.00
5B-00109	20249	Pu-244	0.0026	0.0023	0.0015	0.0313	1.00 - 5.00
5B-00109	20249	Sb-125	0.153 JSK	0.03	0.011	0.354	1.00 - 5.00
5B-00109	20249	Sn-126	0.0036 U	0.014	0.0041	0.0237	1.00 - 5.00
5B-00109	20249	Sr-90	-0.008 U	0.037	0.01	0.485	1.00 - 5.00
5B-00109	20249	Te-125m	0.0354 JSK	0.007	0.0027	0.0838	1.00 - 5.00
5B-00109	20249	Th-228	1.43	0.02	0.074	3.98	1.00 - 5.00
5B-00109	20249	Th-229	0.0117	0.0036	0.004	0.145	1.00 - 5.00
5B-00109	20249	Th-230	0.912	0.009	0.051	2.2	1.00 - 5.00
5B-00109	20249	Th-232	1.33	0.003	0.069	3.1	1.00 - 5.00
5B-00109	20249	Th-234	1.32 R	0.14	0.076	3.19	1.00 - 5.00
5B-00109	20249	Tl-208	0.48	0.017	0.018	0.937	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00109	20249	Tm-171	0.01 U	5.9	1.8	72.4	1.00 - 5.00
5B-00109	20249	U-233/234	0.664	0.007	0.038	2.02	1.00 - 5.00
5B-00109	20249	U-235/236	0.0295	0.0087	0.0063	0.151	1.00 - 5.00
5B-00109	20249	U-238	0.615	0.003	0.035	1.8	1.00 - 5.00
5B-00109	20250	Ac-227	0.047 U	0.12	0.04	0.217	0.00 - 0.50
5B-00109	20250	Ac-228	1.28	0.062	0.045	2.4	0.00 - 0.50
5B-00109	20250	Am-241	-0.002 U	0.012	0.0025	0.0454	0.00 - 0.50
5B-00109	20250	Bi-212	1.05	0.12	0.075	2.15	0.00 - 0.50
5B-00109	20250	Bi-214	0.905	0.025	0.035	1.59	0.00 - 0.50
5B-00109	20250	Cd-113m	-2 U	36	11	3030	0.00 - 0.50
5B-00109	20250	Cm-243/244	-0.001 U	0.0083	0.0013	0.0443	0.00 - 0.50
5B-00109	20250	Cm-245/246	0.0018 U J	0.0024	0.0013	0.0401	0.00 - 0.50
5B-00109	20250	Cm-247/248	0.0017 U	0.0024	0.0012	0.0306	0.00 - 0.50
5B-00109	20250	Co-60	0.0017 U	0.016	0.0047	0.028	0.00 - 0.50
5B-00109	20250	Cs-134	-0.029 R U	0.019	0.0059	0.0864	0.00 - 0.50
5B-00109	20250	Cs-137	0.005 U	0.014	0.0041	0.207	0.00 - 0.50
5B-00109	20250	Eu-152	0.0007 U	0.033	0.0098	0.0566	0.00 - 0.50
5B-00109	20250	Eu-154	-0.025 U	0.081	0.024	0.15	0.00 - 0.50
5B-00109	20250	Eu-155	0.073 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00109	20250	Ho-166m	0.0104 SK	0.02	0.0072	0.0432	0.00 - 0.50
5B-00109	20250	K-40	20.6	0.15	0.69	32.4	0.00 - 0.50
5B-00109	20250	Na-22	-0.002 U	0.02	0.0058	0.037	0.00 - 0.50
5B-00109	20250	Nb-94	0.0089	0.011	0.0032	0.0214	0.00 - 0.50
5B-00109	20250	Np-236	0.0023 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00109	20250	Np-239	0.014 U	0.08	0.024	0.139	0.00 - 0.50
5B-00109	20250	Pa-231	-0.06 U	0.5	0.15	0.936	0.00 - 0.50
5B-00109	20250	Pb-212	1.64	0.023	0.087	2.69	0.00 - 0.50
5B-00109	20250	Pb-214	1.03	0.025	0.038	1.7	0.00 - 0.50
5B-00109	20250	Pu-236	-0.002 U	0.012	0.0026	7.79	0.00 - 0.50
5B-00109	20250	Pu-238	-4E-04 U	0.0092	0.0019	0.0415	0.00 - 0.50
5B-00109	20250	Pu-239/240	-2E-04 U	0.0073	0.0014	0.0404	0.00 - 0.50
5B-00109	20250	Pu-244	0.0004 U	0.0059	0.0012	0.0313	0.00 - 0.50
5B-00109	20250	Sb-125	0.111 SK	0.036	0.0079	0.354	0.00 - 0.50
5B-00109	20250	Sn-126	-0.002 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00109	20250	Sr-90	0.017 U	0.048	0.015	0.485	0.00 - 0.50
5B-00109	20250	Te-125m	0.0258 SK	0.0083	0.0018	0.0838	0.00 - 0.50
5B-00109	20250	Th-228	1.37	0.031	0.072	3.98	0.00 - 0.50
5B-00109	20250	Th-229	0.0023 U	0.0085	0.0024	0.145	0.00 - 0.50
5B-00109	20250	Th-230	0.938	0.003	0.052	2.2	0.00 - 0.50
5B-00109	20250	Th-232	1.24	0.003	0.065	3.1	0.00 - 0.50
5B-00109	20250	Th-234	1.55	0.14	0.088	3.19	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00109	20250	Tl-208	0.513	0.016	0.02	0.937	0.00 - 0.50
5B-00109	20250	Tm-171	-5.7 R U	4.9	1.5	72.4	0.00 - 0.50
5B-00109	20250	U-233/234	0.809	0.004	0.048	2.02	0.00 - 0.50
5B-00109	20250	U-235/236	0.044	0.0048	0.009	0.151	0.00 - 0.50
5B-00109	20250	U-238	0.782	0.01	0.047	1.8	0.00 - 0.50
5B-00110	20251	Ac-227	0.012 U	0.11	0.018	0.217	1.00 - 5.00
5B-00110	20251	Ac-228	1.18	0.06	0.041	2.4	1.00 - 5.00
5B-00110	20251	Am-241	0.0067	0.0061	0.0027	0.0454	1.00 - 5.00
5B-00110	20251	Bi-212	1.05	0.094	0.065	2.15	1.00 - 5.00
5B-00110	20251	Bi-214	0.702	0.019	0.027	1.59	1.00 - 5.00
5B-00110	20251	Cd-113m	-1.1 U	27	8	3030	1.00 - 5.00
5B-00110	20251	Cm-243/244	-0.002 U	0.0098	0.0022	0.0443	1.00 - 5.00
5B-00110	20251	Cm-245/246	-9E-04 U J	0.0084	0.0017	0.0401	1.00 - 5.00
5B-00110	20251	Cm-247/248	0.0027	0.0024	0.0016	0.0306	1.00 - 5.00
5B-00110	20251	Co-60	-0.002 U	0.014	0.0042	0.028	1.00 - 5.00
5B-00110	20251	Cs-134	0.0179 U	0.036	0.0041	0.0864	1.00 - 5.00
5B-00110	20251	Cs-137	0.0001 U	0.012	0.0037	0.207	1.00 - 5.00
5B-00110	20251	Eu-152	0.003 U	0.028	0.0084	0.0566	1.00 - 5.00
5B-00110	20251	Eu-154	0.018 U	0.072	0.012	0.15	1.00 - 5.00
5B-00110	20251	Eu-155	0.068 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00110	20251	Ho-166m	0.0015 U	0.018	0.0029	0.0432	1.00 - 5.00
5B-00110	20251	K-40	20.7	0.12	0.68	32.4	1.00 - 5.00
5B-00110	20251	Na-22	-0.005 U	0.018	0.0055	0.037	1.00 - 5.00
5B-00110	20251	Nb-94	0.0002 U	0.0082	0.0002	0.0214	1.00 - 5.00
5B-00110	20251	Np-236	-0.005 U	0.025	0.0075	0.047	1.00 - 5.00
5B-00110	20251	Np-239	-0.002 U	0.069	0.021	0.139	1.00 - 5.00
5B-00110	20251	Pa-231	-0.03 U	0.45	0.14	0.936	1.00 - 5.00
5B-00110	20251	Pb-212	1.45	0.022	0.077	2.69	1.00 - 5.00
5B-00110	20251	Pb-214	0.78	0.021	0.029	1.7	1.00 - 5.00
5B-00110	20251	Pu-236	0.0015	0.002	0.001	7.79	1.00 - 5.00
5B-00110	20251	Pu-238	0.0017	0.0043	0.0014	0.0415	1.00 - 5.00
5B-00110	20251	Pu-239/240	-4E-04 U	0.0043	0.0005	0.0404	1.00 - 5.00
5B-00110	20251	Pu-244	0.0022	0.002	0.0013	0.0313	1.00 - 5.00
5B-00110	20251	Sb-125	0.131 JSK	0.03	0.0093	0.354	1.00 - 5.00
5B-00110	20251	Sn-126	0.0127	0.0091	0.0044	0.0237	1.00 - 5.00
5B-00110	20251	Sr-90	0.0126 U	0.03	0.0092	0.485	1.00 - 5.00
5B-00110	20251	Te-125m	0.0303 JSK	0.007	0.0021	0.0838	1.00 - 5.00
5B-00110	20251	Th-228	1.39	0.02	0.074	3.98	1.00 - 5.00
5B-00110	20251	Th-229	0.0128	0.012	0.0049	0.145	1.00 - 5.00
5B-00110	20251	Th-230	0.976	0.011	0.056	2.2	1.00 - 5.00
5B-00110	20251	Th-232	1.2	0.004	0.065	3.1	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00110	20251	Th-234	1.46 R	0.12	0.079	3.19	1.00 - 5.00
5B-00110	20251	Tl-208	0.46	0.013	0.018	0.937	1.00 - 5.00
5B-00110	20251	Tm-171	-4.6 R U	4.3	1.3	72.4	1.00 - 5.00
5B-00110	20251	U-233/234	0.698	0.011	0.04	2.02	1.00 - 5.00
5B-00110	20251	U-235/236	0.0469	0.012	0.0085	0.151	1.00 - 5.00
5B-00110	20251	U-238	0.691	0.01	0.04	1.8	1.00 - 5.00
5B-00111	20252	Ac-227	0.05 U	0.13	0.04	0.217	1.00 - 5.00
5B-00111	20252	Ac-228	1.19	0.076	0.041	2.4	1.00 - 5.00
5B-00111	20252	Am-241	0.0012 U	0.0045	0.0013	0.0454	1.00 - 5.00
5B-00111	20252	Bi-212	1.1	0.14	0.087	2.15	1.00 - 5.00
5B-00111	20252	Bi-214	0.714	0.028	0.028	1.59	1.00 - 5.00
5B-00111	20252	Cd-113m	-1 U	38	12	3030	1.00 - 5.00
5B-00111	20252	Cm-243/244	-6E-04 U	0.0055	0.0011	0.0443	1.00 - 5.00
5B-00111	20252	Cm-245/246	0.0016 U J	0.0043	0.0016	0.0401	1.00 - 5.00
5B-00111	20252	Cm-247/248	0.0046	0.0042	0.0027	0.0306	1.00 - 5.00
5B-00111	20252	Co-60	-2E-04 U	0.019	0.0005	0.028	1.00 - 5.00
5B-00111	20252	Cs-134	-0.001 U J	0.026	0.0078	0.0864	1.00 - 5.00
5B-00111	20252	Cs-137	0.0091	0.015	0.0051	0.207	1.00 - 5.00
5B-00111	20252	Eu-152	-4E-04 U	0.033	0.01	0.0566	1.00 - 5.00
5B-00111	20252	Eu-154	0.015 U	0.11	0.017	0.15	1.00 - 5.00
5B-00111	20252	Eu-155	0.066 SK	0.031	0.012	0.231	1.00 - 5.00
5B-00111	20252	Ho-166m	0.0133 JSK	0.025	0.0087	0.0432	1.00 - 5.00
5B-00111	20252	K-40	18.3	0.15	0.56	32.4	1.00 - 5.00
5B-00111	20252	Na-22	-0.004 U	0.024	0.0072	0.037	1.00 - 5.00
5B-00111	20252	Nb-94	0.0093 SK	0.0092	0.0037	0.0214	1.00 - 5.00
5B-00111	20252	Np-236	0.0015 U	0.027	0.0083	0.047	1.00 - 5.00
5B-00111	20252	Np-239	-0.002 U	0.084	0.025	0.139	1.00 - 5.00
5B-00111	20252	Pa-231	0.004 U	0.57	0.17	0.936	1.00 - 5.00
5B-00111	20252	Pb-212	1.52	0.025	0.062	2.69	1.00 - 5.00
5B-00111	20252	Pb-214	0.775	0.024	0.027	1.7	1.00 - 5.00
5B-00111	20252	Pu-236	-4E-04 U	0.0037	0.0004	7.79	1.00 - 5.00
5B-00111	20252	Pu-238	0 U	0.0017	0.0005	0.0415	1.00 - 5.00
5B-00111	20252	Pu-239/240	-1E-04 U	0.0045	0.0009	0.0404	1.00 - 5.00
5B-00111	20252	Pu-244	0.0025	0.0017	0.0012	0.0313	1.00 - 5.00
5B-00111	20252	Sb-125	0.15 SK	0.031	0.012	0.354	1.00 - 5.00
5B-00111	20252	Sn-126	0.0007 U	0.016	0.0047	0.0237	1.00 - 5.00
5B-00111	20252	Sr-90	0.0164 U	0.03	0.0093	0.485	1.00 - 5.00
5B-00111	20252	Te-125m	0.0347 SK	0.0072	0.0027	0.0838	1.00 - 5.00
5B-00111	20252	Th-228	1.33	0.011	0.064	3.98	1.00 - 5.00
5B-00111	20252	Th-229	0.0103	0.014	0.0051	0.145	1.00 - 5.00
5B-00111	20252	Th-230	0.909	0.006	0.046	2.2	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00111	20252	Th-232	1.24	0.002	0.06	3.1	1.00 - 5.00
5B-00111	20252	Th-234	0.289 R	0.15	0.048	3.19	1.00 - 5.00
5B-00111	20252	Tl-208	0.483	0.019	0.019	0.937	1.00 - 5.00
5B-00111	20252	Tm-171	-0.03 U	5.6	1.7	72.4	1.00 - 5.00
5B-00111	20252	U-233/234	0.821	0.008	0.046	2.02	1.00 - 5.00
5B-00111	20252	U-233/234	0.758	0.008	0.042	2.02	1.00 - 5.00
5B-00111	20252	U-235/236	0.0369	0.0034	0.007	0.151	1.00 - 5.00
5B-00111	20252	U-235/236	0.04	0.0037	0.0076	0.151	1.00 - 5.00
5B-00111	20252	U-238	0.799	0.008	0.045	1.8	1.00 - 5.00
5B-00111	20252	U-238	0.737	0.008	0.041	1.8	1.00 - 5.00
5B-00240	20253	Ac-227	0.008 U	0.12	0.026	0.217	1.00 - 5.00
5B-00240	20253	Ac-228	1.14	0.063	0.04	2.4	1.00 - 5.00
5B-00240	20253	Am-241	0.0008 U	0.0059	0.0014	0.0454	1.00 - 5.00
5B-00240	20253	Bi-212	0.863	0.095	0.056	2.15	1.00 - 5.00
5B-00240	20253	Bi-214	0.645	0.022	0.024	1.59	1.00 - 5.00
5B-00240	20253	Cd-113m	0.5 U	31	9.4	3030	1.00 - 5.00
5B-00240	20253	Cm-243/244	0.0008 U	0.0021	0.0008	0.0443	1.00 - 5.00
5B-00240	20253	Cm-245/246	0.0018 U J	0.0066	0.0019	0.0401	1.00 - 5.00
5B-00240	20253	Cm-247/248	0.0018 U	0.0024	0.0012	0.0306	1.00 - 5.00
5B-00240	20253	Co-60	0.0033 U	0.012	0.0035	0.028	1.00 - 5.00
5B-00240	20253	Cs-134	0.0017 U	0.048	0.0018	0.0864	1.00 - 5.00
5B-00240	20253	Cs-137	-1E-04 U	0.014	0.0043	0.207	1.00 - 5.00
5B-00240	20253	Eu-152	-0.002 U	0.034	0.01	0.0566	1.00 - 5.00
5B-00240	20253	Eu-154	0.001 U	0.082	0.025	0.15	1.00 - 5.00
5B-00240	20253	Eu-155	0.085 SK	0.043	0.018	0.231	1.00 - 5.00
5B-00240	20253	Ho-166m	0.0097 SK	0.016	0.0083	0.0432	1.00 - 5.00
5B-00240	20253	K-40	18.8	0.1	0.56	32.4	1.00 - 5.00
5B-00240	20253	Na-22	-7E-04 U	0.019	0.0057	0.037	1.00 - 5.00
5B-00240	20253	Nb-94	0.0036 U	0.012	0.0036	0.0214	1.00 - 5.00
5B-00240	20253	Np-236	0.014 SK	0.026	0.011	0.047	1.00 - 5.00
5B-00240	20253	Np-239	0.001 U	0.081	0.024	0.139	1.00 - 5.00
5B-00240	20253	Pa-231	0.155 U	0.54	0.079	0.936	1.00 - 5.00
5B-00240	20253	Pb-212	1.36	0.022	0.041	2.69	1.00 - 5.00
5B-00240	20253	Pb-214	0.682	0.021	0.03	1.7	1.00 - 5.00
5B-00240	20253	Pu-236	-0.001 U	0.0061	0.0009	7.79	1.00 - 5.00
5B-00240	20253	Pu-238	0.0006 U	0.0053	0.0012	0.0415	1.00 - 5.00
5B-00240	20253	Pu-239/240	0.0025	0.0044	0.0016	0.0404	1.00 - 5.00
5B-00240	20253	Pu-244	0.0007 U	0.002	0.0007	0.0313	1.00 - 5.00
5B-00240	20253	Sb-125	0.134 JSK	0.037	0.011	0.354	1.00 - 5.00
5B-00240	20253	Sn-126	0.0028 U	0.013	0.004	0.0237	1.00 - 5.00
5B-00240	20253	Sr-90	-0.012 U	0.037	0.01	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00240	20253	Te-125m	0.0309 JSK	0.0086	0.0025	0.0838	1.00 - 5.00
5B-00240	20253	Th-228	1.26	0.016	0.064	3.98	1.00 - 5.00
5B-00240	20253	Th-229	0.0101	0.0093	0.0038	0.145	1.00 - 5.00
5B-00240	20253	Th-230	0.875	0.012	0.047	2.2	1.00 - 5.00
5B-00240	20253	Th-232	1.15	0.007	0.059	3.1	1.00 - 5.00
5B-00240	20253	Th-234	1.08 R	0.18	0.066	3.19	1.00 - 5.00
5B-00240	20253	Tl-208	0.447	0.016	0.017	0.937	1.00 - 5.00
5B-00240	20253	Tm-171	-11 R U	8.4	2.6	72.4	1.00 - 5.00
5B-00240	20253	U-233/234	0.762	0.013	0.043	2.02	1.00 - 5.00
5B-00240	20253	U-235/236	0.0393	0.0035	0.0074	0.151	1.00 - 5.00
5B-00240	20253	U-238	0.728	0.01	0.041	1.8	1.00 - 5.00
5B-00240	20254	Ac-227	0.079	0.12	0.024	0.217	0.00 - 0.50
5B-00240	20254	Ac-228	1.25	0.079	0.044	2.4	0.00 - 0.50
5B-00240	20254	Am-241	-7E-04 U	0.0065	0.0013	0.0454	0.00 - 0.50
5B-00240	20254	Bi-212	0.95	0.12	0.066	2.15	0.00 - 0.50
5B-00240	20254	Bi-214	0.828	0.026	0.03	1.59	0.00 - 0.50
5B-00240	20254	Cd-113m	0.7 U	41	12	3030	0.00 - 0.50
5B-00240	20254	Cm-243/244	0 U	0.005	0.001	0.0443	0.00 - 0.50
5B-00240	20254	Cm-245/246	0 U J	0.0023	0.001	0.0401	0.00 - 0.50
5B-00240	20254	Cm-247/248	0.0008 U J	0.0023	0.0008	0.0306	0.00 - 0.50
5B-00240	20254	Co-60	-0.006 U	0.018	0.0055	0.028	0.00 - 0.50
5B-00240	20254	Cs-134	0.0027 U	0.051	0.0028	0.0864	0.00 - 0.50
5B-00240	20254	Cs-137	0.0036 U	0.016	0.0049	0.207	0.00 - 0.50
5B-00240	20254	Eu-152	0.011 U	0.039	0.0069	0.0566	0.00 - 0.50
5B-00240	20254	Eu-154	-0.006 U	0.11	0.0063	0.15	0.00 - 0.50
5B-00240	20254	Eu-155	0.082 SK	0.033	0.014	0.231	0.00 - 0.50
5B-00240	20254	Ho-166m	0.0093 U	0.022	0.0077	0.0432	0.00 - 0.50
5B-00240	20254	K-40	19.4	0.13	0.59	32.4	0.00 - 0.50
5B-00240	20254	Na-22	-0.003 U	0.025	0.0074	0.037	0.00 - 0.50
5B-00240	20254	Nb-94	0.0015 U	0.014	0.0031	0.0214	0.00 - 0.50
5B-00240	20254	Np-236	-0.009 U	0.031	0.0093	0.047	0.00 - 0.50
5B-00240	20254	Np-239	0.015 U	0.086	0.026	0.139	0.00 - 0.50
5B-00240	20254	Pa-231	0.22 U	0.57	0.17	0.936	0.00 - 0.50
5B-00240	20254	Pb-212	1.59	0.022	0.065	2.69	0.00 - 0.50
5B-00240	20254	Pb-214	0.915	0.025	0.032	1.7	0.00 - 0.50
5B-00240	20254	Pu-236	0 U	0.0012	0.0005	7.79	0.00 - 0.50
5B-00240	20254	Pu-238	0.0005 U	0.0033	0.0008	0.0415	0.00 - 0.50
5B-00240	20254	Pu-239/240	0.0009 U	0.0012	0.0006	0.0404	0.00 - 0.50
5B-00240	20254	Pu-244	0.0036	0.0012	0.0013	0.0313	0.00 - 0.50
5B-00240	20254	Sb-125	0.162 SK	0.041	0.012	0.354	0.00 - 0.50
5B-00240	20254	Sn-126	-0.001 U	0.016	0.0049	0.0237	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00240	20254	Sr-90	-0.017 U	0.041	0.011	0.485	0.00 - 0.50
5B-00240	20254	Te-125m	0.0375 SK	0.0096	0.0028	0.0838	0.00 - 0.50
5B-00240	20254	Th-228	1.25	0.013	0.061	3.98	0.00 - 0.50
5B-00240	20254	Th-229	0.0086	0.007	0.0032	0.145	0.00 - 0.50
5B-00240	20254	Th-230	0.816	0.002	0.043	2.2	0.00 - 0.50
5B-00240	20254	Th-232	1.18	0.007	0.058	3.1	0.00 - 0.50
5B-00240	20254	Th-234	0.241	0.15	0.047	3.19	0.00 - 0.50
5B-00240	20254	Tl-208	0.48	0.018	0.019	0.937	0.00 - 0.50
5B-00240	20254	Tm-171	-3.7 L U	5.4	1.6	72.4	0.00 - 0.50
5B-00240	20254	U-233/234	0.741 J	0.018	0.047	2.02	0.00 - 0.50
5B-00240	20254	U-235/236	0.0365 J	0.0055	0.0088	0.151	0.00 - 0.50
5B-00240	20254	U-238	0.826 J	0.012	0.051	1.8	0.00 - 0.50
5B-00097	20255	Ac-227	0.028 U	0.099	0.031	0.217	3.00 - 5.00
5B-00097	20255	Ac-228	1.17	0.049	0.037	2.4	3.00 - 5.00
5B-00097	20255	Am-241	0.0026 U	0.0036	0.0019	0.0454	3.00 - 5.00
5B-00097	20255	Bi-212	0.9	0.094	0.061	2.15	3.00 - 5.00
5B-00097	20255	Bi-214	0.8	0.016	0.026	1.59	3.00 - 5.00
5B-00097	20255	Cd-113m	5.5 U	28	8.6	3030	3.00 - 5.00
5B-00097	20255	Cm-243/244	0 U	0.0035	0.0014	0.0443	3.00 - 5.00
5B-00097	20255	Cm-245/246	0.002 U	0.0027	0.0014	0.0401	3.00 - 5.00
5B-00097	20255	Cm-247/248	0.001 U	0.0073	0.0018	0.0306	3.00 - 5.00
5B-00097	20255	Co-60	0.0009 U	0.0096	0.0028	0.028	3.00 - 5.00
5B-00097	20255	Cs-134	0.0158 JSK	0.031	0.0034	0.0864	3.00 - 5.00
5B-00097	20255	Cs-137	-0.003 U	0.01	0.0031	0.207	3.00 - 5.00
5B-00097	20255	Eu-152	0.0214	0.023	0.0092	0.0566	3.00 - 5.00
5B-00097	20255	Eu-154	0.005 U	0.057	0.017	0.15	3.00 - 5.00
5B-00097	20255	Eu-155	0.068 SK	0.025	0.01	0.231	3.00 - 5.00
5B-00097	20255	Ho-166m	0.008 JSK	0.015	0.0041	0.0432	3.00 - 5.00
5B-00097	20255	K-40	17.7	0.1	0.52	32.4	3.00 - 5.00
5B-00097	20255	Na-22	-0.003 U	0.014	0.0041	0.037	3.00 - 5.00
5B-00097	20255	Nb-94	0.0037 U	0.009	0.0027	0.0214	3.00 - 5.00
5B-00097	20255	Np-236	-0.004 U	0.023	0.007	0.047	3.00 - 5.00
5B-00097	20255	Np-239	0.003 U	0.061	0.018	0.139	3.00 - 5.00
5B-00097	20255	Pa-231	0.05 U	0.41	0.12	0.936	3.00 - 5.00
5B-00097	20255	Pb-212	1.47	0.017	0.059	2.69	3.00 - 5.00
5B-00097	20255	Pb-214	0.904	0.02	0.03	1.7	3.00 - 5.00
5B-00097	20255	Pu-236	0 U	0.002	0.0006	7.79	3.00 - 5.00
5B-00097	20255	Pu-238	0.0003 U	0.0044	0.0009	0.0415	3.00 - 5.00
5B-00097	20255	Pu-239/240	0 U	0.002	0.0006	0.0404	3.00 - 5.00
5B-00097	20255	Pu-244	0.0007 U	0.002	0.0007	0.0313	3.00 - 5.00
5B-00097	20255	Sb-125	0.0903 SK	0.023	0.0057	0.354	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00097	20255	Sn-126	0.0001 U	0.007	0.0021	0.0237	3.00 - 5.00
5B-00097	20255	Sr-90	-0.013 U	0.036	0.01	0.485	3.00 - 5.00
5B-00097	20255	Te-125m	0.0209 SK	0.0054	0.0013	0.0838	3.00 - 5.00
5B-00097	20255	Th-228	1.34	0.025	0.071	3.98	3.00 - 5.00
5B-00097	20255	Th-229	0.0021 U	0.011	0.0032	0.145	3.00 - 5.00
5B-00097	20255	Th-230	0.924	0.01	0.053	2.2	3.00 - 5.00
5B-00097	20255	Th-232	1.19	0.01	0.065	3.1	3.00 - 5.00
5B-00097	20255	Th-234	1.29	0.11	0.067	3.19	3.00 - 5.00
5B-00097	20255	Tl-208	0.431	0.012	0.015	0.937	3.00 - 5.00
5B-00097	20255	Tm-171	-2.7 JU J	4.2	1.3	72.4	3.00 - 5.00
5B-00097	20255	U-233/234	0.723	0.012	0.042	2.02	3.00 - 5.00
5B-00097	20255	U-235/236	0.026	0.011	0.0066	0.151	3.00 - 5.00
5B-00097	20255	U-238	0.717	0.003	0.042	1.8	3.00 - 5.00
5B-00098	20256	Ac-227	0.367 K,R	0.14	0.015	0.217	3.00 - 5.00
5B-00098	20256	Ac-228	1.35	0.072	0.047	2.4	3.00 - 5.00
5B-00098	20256	Am-241	0.0008 U	0.0022	0.0008	0.0454	3.00 - 5.00
5B-00098	20256	Bi-212	1.13	0.12	0.077	2.15	3.00 - 5.00
5B-00098	20256	Bi-214	0.955	0.027	0.034	1.59	3.00 - 5.00
5B-00098	20256	Cd-113m	0.3 U	41	12	3030	3.00 - 5.00
5B-00098	20256	Cm-243/244	0.0008 U	0.0021	0.0008	0.0443	3.00 - 5.00
5B-00098	20256	Cm-245/246	0.0031	0.0012	0.0012	0.0401	3.00 - 5.00
5B-00098	20256	Cm-247/248	0.0004 U	0.0012	0.0004	0.0306	3.00 - 5.00
5B-00098	20256	Co-60	0.0026 U	0.017	0.0032	0.028	3.00 - 5.00
5B-00098	20256	Cs-134	0.013 U J	0.06	0.0043	0.0864	3.00 - 5.00
5B-00098	20256	Cs-137	0.0059 K,R	0.012	0.0035	0.207	3.00 - 5.00
5B-00098	20256	Eu-152	0.0074 U	0.029	0.0088	0.0566	3.00 - 5.00
5B-00098	20256	Eu-154	0.007 U	0.085	0.015	0.15	3.00 - 5.00
5B-00098	20256	Eu-155	0.094 SK	0.044	0.018	0.231	3.00 - 5.00
5B-00098	20256	Ho-166m	0.0147 JSK	0.024	0.0037	0.0432	3.00 - 5.00
5B-00098	20256	K-40	19.1	0.12	0.58	32.4	3.00 - 5.00
5B-00098	20256	Na-22	-0.005 U	0.021	0.0064	0.037	3.00 - 5.00
5B-00098	20256	Nb-94	0.0049 U	0.014	0.0043	0.0214	3.00 - 5.00
5B-00098	20256	Np-236	-0.004 U	0.027	0.0083	0.047	3.00 - 5.00
5B-00098	20256	Np-239	-0.026 U	0.094	0.029	0.139	3.00 - 5.00
5B-00098	20256	Pa-231	0.097 U	0.61	0.097	0.936	3.00 - 5.00
5B-00098	20256	Pb-212	1.48	0.034	0.047	2.69	3.00 - 5.00
5B-00098	20256	Pb-214	1.04	0.03	0.045	1.7	3.00 - 5.00
5B-00098	20256	Pu-236	0.0008 U	0.0021	0.0008	7.79	3.00 - 5.00
5B-00098	20256	Pu-238	0 U	0.0021	0.0007	0.0415	3.00 - 5.00
5B-00098	20256	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	3.00 - 5.00
5B-00098	20256	Pu-244	0.0021	0.0055	0.0017	0.0313	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00098	20256	Sb-125	0.153 SK	0.036	0.011	0.354	3.00 - 5.00
5B-00098	20256	Sn-126	0.0027 U	0.016	0.0047	0.0237	3.00 - 5.00
5B-00098	20256	Sr-90	-0.009 U	0.033	0.0093	0.485	3.00 - 5.00
5B-00098	20256	Te-125m	0.0353 SK	0.0082	0.0026	0.0838	3.00 - 5.00
5B-00098	20256	Th-228	1.33	0.016	0.064	3.98	3.00 - 5.00
5B-00098	20256	Th-229	0.0048 U	0.019	0.0056	0.145	3.00 - 5.00
5B-00098	20256	Th-230	0.946	0.007	0.048	2.2	3.00 - 5.00
5B-00098	20256	Th-232	1.23	0.008	0.06	3.1	3.00 - 5.00
5B-00098	20256	Th-234	1.31 R	0.21	0.079	3.19	3.00 - 5.00
5B-00098	20256	Tl-208	0.524	0.018	0.019	0.937	3.00 - 5.00
5B-00098	20256	Tm-171	-10.4 R U J	9.7	3	72.4	3.00 - 5.00
5B-00098	20256	U-233/234	0.884	0.008	0.049	2.02	3.00 - 5.00
5B-00098	20256	U-233/234	0.821	0.008	0.045	2.02	3.00 - 5.00
5B-00098	20256	U-235/236	0.0439	0.012	0.0083	0.151	3.00 - 5.00
5B-00098	20256	U-235/236	0.0473	0.013	0.009	0.151	3.00 - 5.00
5B-00098	20256	U-238	0.928	0.011	0.051	1.8	3.00 - 5.00
5B-00098	20256	U-238	0.862	0.01	0.047	1.8	3.00 - 5.00
5B-00098	20257	Ac-227	0.007 U	0.12	0.031	0.217	0.00 - 0.50
5B-00098	20257	Ac-228	1.33	0.086	0.049	2.4	0.00 - 0.50
5B-00098	20257	Am-241	0.0007 U	0.0064	0.0016	0.0454	0.00 - 0.50
5B-00098	20257	Bi-212	1.16	0.11	0.072	2.15	0.00 - 0.50
5B-00098	20257	Bi-214	0.659	0.029	0.027	1.59	0.00 - 0.50
5B-00098	20257	Cd-113m	-2 U	44	13	3030	0.00 - 0.50
5B-00098	20257	Cm-243/244	-0.002 U	0.0082	0.0017	0.0443	0.00 - 0.50
5B-00098	20257	Cm-245/246	0 U J	0.0021	0.0009	0.0401	0.00 - 0.50
5B-00098	20257	Cm-247/248	0.0008 U J	0.0021	0.0008	0.0306	0.00 - 0.50
5B-00098	20257	Co-60	-0.003 U	0.019	0.0056	0.028	0.00 - 0.50
5B-00098	20257	Cs-134	0.001 U	0.055	0.017	0.0864	0.00 - 0.50
5B-00098	20257	Cs-137	-7E-04 U	0.017	0.0071	0.207	0.00 - 0.50
5B-00098	20257	Eu-152	0.008 U	0.04	0.012	0.0566	0.00 - 0.50
5B-00098	20257	Eu-154	0.0165 U	0.1	0.0071	0.15	0.00 - 0.50
5B-00098	20257	Eu-155	0.085 SK	0.045	0.019	0.231	0.00 - 0.50
5B-00098	20257	Ho-166m	-0.002 U	0.026	0.0013	0.0432	0.00 - 0.50
5B-00098	20257	K-40	20.4	0.11	0.62	32.4	0.00 - 0.50
5B-00098	20257	Na-22	0.001 U	0.027	0.0079	0.037	0.00 - 0.50
5B-00098	20257	Nb-94	0.0103 SK	0.01	0.0031	0.0214	0.00 - 0.50
5B-00098	20257	Np-236	0.005 U	0.036	0.011	0.047	0.00 - 0.50
5B-00098	20257	Np-239	0.031 U	0.094	0.028	0.139	0.00 - 0.50
5B-00098	20257	Pa-231	0.01 U	0.45	0.13	0.936	0.00 - 0.50
5B-00098	20257	Pb-212	1.65	0.025	0.05	2.69	0.00 - 0.50
5B-00098	20257	Pb-214	0.707	0.028	0.033	1.7	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00098	20257	Pu-236	0 U	0.0035	0.0007	7.79	0.00 - 0.50
5B-00098	20257	Pu-238	0.0009 U	0.0013	0.0007	0.0415	0.00 - 0.50
5B-00098	20257	Pu-239/240	0.0005 U	0.0013	0.0005	0.0404	0.00 - 0.50
5B-00098	20257	Pu-244	0.0019	0.0013	0.001	0.0313	0.00 - 0.50
5B-00098	20257	Sb-125	0.139 SK	0.043	0.011	0.354	0.00 - 0.50
5B-00098	20257	Sn-126	0.001 U	0.016	0.0047	0.0237	0.00 - 0.50
5B-00098	20257	Sr-90	0.019 U	0.041	0.012	0.485	0.00 - 0.50
5B-00098	20257	Te-125m	0.0322 SK	0.0098	0.0025	0.0838	0.00 - 0.50
5B-00098	20257	Th-228	1.4	0.018	0.069	3.98	0.00 - 0.50
5B-00098	20257	Th-229	0.0097	0.0065	0.0032	0.145	0.00 - 0.50
5B-00098	20257	Th-230	0.66	0.007	0.037	2.2	0.00 - 0.50
5B-00098	20257	Th-232	1.37	0.012	0.068	3.1	0.00 - 0.50
5B-00098	20257	Th-234	1.05	0.21	0.074	3.19	0.00 - 0.50
5B-00098	20257	Tl-208	0.546	0.018	0.021	0.937	0.00 - 0.50
5B-00098	20257	Tm-171	-10.8 R U	9.3	2.9	72.4	0.00 - 0.50
5B-00098	20257	U-233/234	0.507	0.01	0.032	2.02	0.00 - 0.50
5B-00098	20257	U-235/236	0.0171	0.0036	0.0048	0.151	0.00 - 0.50
5B-00098	20257	U-238	0.491	0.003	0.031	1.8	0.00 - 0.50
5B-00099	20258	Ac-227	0.419 K,R	0.12	0.022	0.217	3.00 - 5.00
5B-00099	20258	Ac-228	1.28	0.062	0.044	2.4	3.00 - 5.00
5B-00099	20258	Am-241	0.0026	0.0023	0.0015	0.0454	3.00 - 5.00
5B-00099	20258	Bi-212	1.03	0.1	0.067	2.15	3.00 - 5.00
5B-00099	20258	Bi-214	0.908	0.02	0.034	1.59	3.00 - 5.00
5B-00099	20258	Cd-113m	-1.6 U	33	9.9	3030	3.00 - 5.00
5B-00099	20258	Cm-243/244	0.0008 U	0.0062	0.0015	0.0443	3.00 - 5.00
5B-00099	20258	Cm-245/246	0.0013 U	0.0059	0.0016	0.0401	3.00 - 5.00
5B-00099	20258	Cm-247/248	0.0013 U	0.0017	0.0009	0.0306	3.00 - 5.00
5B-00099	20258	Co-60	-0.004 U	0.014	0.0043	0.028	3.00 - 5.00
5B-00099	20258	Cs-134	0.017 U J	0.037	0.005	0.0864	3.00 - 5.00
5B-00099	20258	Cs-137	-0.002 U	0.012	0.0037	0.207	3.00 - 5.00
5B-00099	20258	Eu-152	0.01 U	0.027	0.0056	0.0566	3.00 - 5.00
5B-00099	20258	Eu-154	-0.04 U	0.074	0.023	0.15	3.00 - 5.00
5B-00099	20258	Eu-155	0.088 SK	0.03	0.013	0.231	3.00 - 5.00
5B-00099	20258	Ho-166m	0.007 U J	0.019	0.0031	0.0432	3.00 - 5.00
5B-00099	20258	K-40	19.1	0.15	0.64	32.4	3.00 - 5.00
5B-00099	20258	Na-22	0.0053 U	0.017	0.0052	0.037	3.00 - 5.00
5B-00099	20258	Nb-94	0.0024 U	0.01	0.0032	0.0214	3.00 - 5.00
5B-00099	20258	Np-236	0.0042 U	0.023	0.0069	0.047	3.00 - 5.00
5B-00099	20258	Np-239	-0.003 U	0.075	0.023	0.139	3.00 - 5.00
5B-00099	20258	Pa-231	0.02 U	0.48	0.14	0.936	3.00 - 5.00
5B-00099	20258	Pb-212	1.62	0.02	0.085	2.69	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00099	20258	Pb-214	1.02	0.022	0.038	1.7	3.00 - 5.00
5B-00099	20258	Pu-236	0.0004 U	0.0098	0.0024	7.79	3.00 - 5.00
5B-00099	20258	Pu-238	0.0007 U	0.0067	0.0016	0.0415	3.00 - 5.00
5B-00099	20258	Pu-239/240	0 U	0.0025	0.0008	0.0404	3.00 - 5.00
5B-00099	20258	Pu-244	0.0028	0.0025	0.0016	0.0313	3.00 - 5.00
5B-00099	20258	Sb-125	0.159 SK	0.029	0.011	0.354	3.00 - 5.00
5B-00099	20258	Sn-126	-0.004 U	0.012	0.0035	0.0237	3.00 - 5.00
5B-00099	20258	Sr-90	-0.001 U	0.036	0.01	0.485	3.00 - 5.00
5B-00099	20258	Te-125m	0.0368 SK	0.0068	0.0024	0.0838	3.00 - 5.00
5B-00099	20258	Th-228	1.32	0.018	0.065	3.98	3.00 - 5.00
5B-00099	20258	Th-229	0.0107	0.011	0.0044	0.145	3.00 - 5.00
5B-00099	20258	Th-230	1.04	0.006	0.053	2.2	3.00 - 5.00
5B-00099	20258	Th-232	1.33	0.005	0.066	3.1	3.00 - 5.00
5B-00099	20258	Th-234	1.55 R	0.13	0.084	3.19	3.00 - 5.00
5B-00099	20258	Tl-208	0.491	0.014	0.019	0.937	3.00 - 5.00
5B-00099	20258	Tm-171	-2 U	5.4	1.6	72.4	3.00 - 5.00
5B-00099	20258	U-233/234	0.855	0.008	0.045	2.02	3.00 - 5.00
5B-00099	20258	U-233/234	0.92	0.008	0.048	2.02	3.00 - 5.00
5B-00099	20258	U-235/236	0.0421	0.0084	0.0073	0.151	3.00 - 5.00
5B-00099	20258	U-235/236	0.0391	0.0078	0.0068	0.151	3.00 - 5.00
5B-00099	20258	U-238	0.765	0.006	0.041	1.8	3.00 - 5.00
5B-00099	20258	U-238	0.823	0.007	0.044	1.8	3.00 - 5.00
5B-00100	20259	Ac-227	0.096	0.091	0.019	0.217	3.00 - 5.00
5B-00100	20259	Ac-228	1.57	0.061	0.052	2.4	3.00 - 5.00
5B-00100	20259	Am-241	0 U	0.0067	0.0014	0.0454	3.00 - 5.00
5B-00100	20259	Bi-212	1.28	0.093	0.067	2.15	3.00 - 5.00
5B-00100	20259	Bi-214	0.999	0.019	0.036	1.59	3.00 - 5.00
5B-00100	20259	Cd-113m	3.1 U	33	9.8	3030	3.00 - 5.00
5B-00100	20259	Cm-243/244	0.0009 U	0.0024	0.0009	0.0443	3.00 - 5.00
5B-00100	20259	Cm-245/246	0.0014 U J	0.0039	0.0014	0.0401	3.00 - 5.00
5B-00100	20259	Cm-247/248	0.0014 U	0.0038	0.0014	0.0306	3.00 - 5.00
5B-00100	20259	Co-60	0.0013 U	0.014	0.0024	0.028	3.00 - 5.00
5B-00100	20259	Cs-134	0.0147 U J	0.044	0.0037	0.0864	3.00 - 5.00
5B-00100	20259	Cs-137	-0.003 U	0.012	0.0037	0.207	3.00 - 5.00
5B-00100	20259	Eu-152	0.0096 U	0.03	0.0043	0.0566	3.00 - 5.00
5B-00100	20259	Eu-154	0.022 U	0.076	0.023	0.15	3.00 - 5.00
5B-00100	20259	Eu-155	0.082 SK	0.032	0.014	0.231	3.00 - 5.00
5B-00100	20259	Ho-166m	0.0087 U J	0.019	0.0041	0.0432	3.00 - 5.00
5B-00100	20259	K-40	18.3	0.13	0.61	32.4	3.00 - 5.00
5B-00100	20259	Na-22	-0.003 U	0.018	0.0054	0.037	3.00 - 5.00
5B-00100	20259	Nb-94	0.0048 U	0.011	0.0033	0.0214	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00100	20259	Np-236	-0.005 U	0.028	0.0085	0.047	3.00 - 5.00
5B-00100	20259	Np-239	0.0009 U	0.078	0.023	0.139	3.00 - 5.00
5B-00100	20259	Pa-231	0.006 U	0.5	0.15	0.936	3.00 - 5.00
5B-00100	20259	Pb-212	2.03	0.02	0.11	2.69	3.00 - 5.00
5B-00100	20259	Pb-214	1.11	0.022	0.041	1.7	3.00 - 5.00
5B-00100	20259	Pu-236	-0.002 U	0.0066	0.001	7.79	3.00 - 5.00
5B-00100	20259	Pu-238	0.0013 U	0.0053	0.0014	0.0415	3.00 - 5.00
5B-00100	20259	Pu-239/240	0.0013 U	0.0053	0.0014	0.0404	3.00 - 5.00
5B-00100	20259	Pu-244	0.0007 U	0.002	0.0007	0.0313	3.00 - 5.00
5B-00100	20259	Sb-125	0.175 SK	0.035	0.011	0.354	3.00 - 5.00
5B-00100	20259	Sn-126	0.0008 U	0.012	0.0037	0.0237	3.00 - 5.00
5B-00100	20259	Sr-90	-0.005 U	0.038	0.011	0.485	3.00 - 5.00
5B-00100	20259	Te-125m	0.0405 SK	0.0081	0.0024	0.0838	3.00 - 5.00
5B-00100	20259	Th-228	1.35	0.021	0.068	3.98	3.00 - 5.00
5B-00100	20259	Th-229	0.0139	0.013	0.005	0.145	3.00 - 5.00
5B-00100	20259	Th-230	0.863	0.007	0.046	2.2	3.00 - 5.00
5B-00100	20259	Th-232	1.27	0.007	0.064	3.1	3.00 - 5.00
5B-00100	20259	Th-234	1.86 R	0.13	0.097	3.19	3.00 - 5.00
5B-00100	20259	Tl-208	0.603	0.016	0.023	0.937	3.00 - 5.00
5B-00100	20259	Tm-171	-4.3 R U J	4.7	1.4	72.4	3.00 - 5.00
5B-00100	20259	U-233/234	0.864	0.007	0.046	2.02	3.00 - 5.00
5B-00100	20259	U-233/234	0.936	0.007	0.05	2.02	3.00 - 5.00
5B-00100	20259	U-235/236	0.0537	0.012	0.0085	0.151	3.00 - 5.00
5B-00100	20259	U-235/236	0.0582	0.013	0.0093	0.151	3.00 - 5.00
5B-00100	20259	U-238	0.949	0.003	0.05	1.8	3.00 - 5.00
5B-00100	20259	U-238	0.875	0.002	0.046	1.8	3.00 - 5.00
5B-00100	20260	Ac-227	0.065 U	0.15	0.044	0.217	0.00 - 0.50
5B-00100	20260	Ac-228	1.21	0.11	0.046	2.4	0.00 - 0.50
5B-00100	20260	Am-241	0.0014 U	0.0018	0.001	0.0454	0.00 - 0.50
5B-00100	20260	Bi-212	1.12	0.15	0.087	2.15	0.00 - 0.50
5B-00100	20260	Bi-214	0.767	0.029	0.029	1.59	0.00 - 0.50
5B-00100	20260	Cd-113m	0.9 U	44	13	3030	0.00 - 0.50
5B-00100	20260	Cm-243/244	0.002	0.0018	0.0012	0.0443	0.00 - 0.50
5B-00100	20260	Cm-245/246	0.0007 U J	0.0054	0.0013	0.0401	0.00 - 0.50
5B-00100	20260	Cm-247/248	-7E-04 U	0.0053	0.0008	0.0306	0.00 - 0.50
5B-00100	20260	Co-60	0.0058 U	0.021	0.0064	0.028	0.00 - 0.50
5B-00100	20260	Cs-134	-0.004 U J	0.019	0.0048	0.0864	0.00 - 0.50
5B-00100	20260	Cs-137	0.005 U	0.021	0.0076	0.207	0.00 - 0.50
5B-00100	20260	Eu-152	0.005 U	0.041	0.011	0.0566	0.00 - 0.50
5B-00100	20260	Eu-154	0.04	0.083	0.025	0.15	0.00 - 0.50
5B-00100	20260	Eu-155	0.068 SK	0.033	0.012	0.231	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00100	20260	Ho-166m	0.0317 SK	0.029	0.0044	0.0432	0.00 - 0.50
5B-00100	20260	K-40	20.2	0.17	0.62	32.4	0.00 - 0.50
5B-00100	20260	Na-22	0.0003 U	0.021	0.0063	0.037	0.00 - 0.50
5B-00100	20260	Nb-94	0.0071 U	0.016	0.0048	0.0214	0.00 - 0.50
5B-00100	20260	Np-236	-0.006 U	0.031	0.0093	0.047	0.00 - 0.50
5B-00100	20260	Np-239	0.015 U	0.092	0.028	0.139	0.00 - 0.50
5B-00100	20260	Pa-231	0.003 U	0.6	0.18	0.936	0.00 - 0.50
5B-00100	20260	Pb-212	1.66	0.025	0.068	2.69	0.00 - 0.50
5B-00100	20260	Pb-214	0.841	0.027	0.03	1.7	0.00 - 0.50
5B-00100	20260	Pu-236	0.0003 U	0.0088	0.0022	7.79	0.00 - 0.50
5B-00100	20260	Pu-238	0.0013 U	0.0076	0.002	0.0415	0.00 - 0.50
5B-00100	20260	Pu-239/240	-5E-04 U	0.0049	0.0006	0.0404	0.00 - 0.50
5B-00100	20260	Pu-244	0.0008 U	0.0022	0.0008	0.0313	0.00 - 0.50
5B-00100	20260	Sb-125	0.159 SK	0.048	0.013	0.354	0.00 - 0.50
5B-00100	20260	Sn-126	-0.003 U J	0.019	0.0056	0.0237	0.00 - 0.50
5B-00100	20260	Sr-90	0.005 U	0.058	0.017	0.485	0.00 - 0.50
5B-00100	20260	Te-125m	0.0366 SK	0.011	0.0031	0.0838	0.00 - 0.50
5B-00100	20260	Th-228	1.16	0.018	0.059	3.98	0.00 - 0.50
5B-00100	20260	Th-229	0.0167	0.0074	0.0041	0.145	0.00 - 0.50
5B-00100	20260	Th-230	0.818	0.003	0.044	2.2	0.00 - 0.50
5B-00100	20260	Th-232	1.21	0.007	0.061	3.1	0.00 - 0.50
5B-00100	20260	Th-234	0.35 R	0.18	0.056	3.19	0.00 - 0.50
5B-00100	20260	Tl-208	0.508	0.02	0.02	0.937	0.00 - 0.50
5B-00100	20260	Tm-171	-2.1 U	5.8	1.8	72.4	0.00 - 0.50
5B-00100	20260	U-233/234	0.698	0.006	0.037	2.02	0.00 - 0.50
5B-00100	20260	U-235/236	0.0267	0.0026	0.0052	0.151	0.00 - 0.50
5B-00100	20260	U-238	0.673	0.006	0.036	1.8	0.00 - 0.50
5B-00101	20261	Ac-227	0.048 U	0.11	0.014	0.217	3.00 - 5.00
5B-00101	20261	Ac-228	1.21	0.056	0.043	2.4	3.00 - 5.00
5B-00101	20261	Am-241	0.001 U	0.01	0.0027	0.0454	3.00 - 5.00
5B-00101	20261	Bi-212	1.02	0.1	0.07	2.15	3.00 - 5.00
5B-00101	20261	Bi-214	0.846	0.019	0.032	1.59	3.00 - 5.00
5B-00101	20261	Cd-113m	5.9 U	33	9.9	3030	3.00 - 5.00
5B-00101	20261	Cm-243/244	0.001 U	0.012	0.0033	0.0443	3.00 - 5.00
5B-00101	20261	Cm-245/246	0.0023 U J	0.0032	0.0017	0.0401	3.00 - 5.00
5B-00101	20261	Cm-247/248	0.0011 U	0.0084	0.0021	0.0306	3.00 - 5.00
5B-00101	20261	Co-60	-0.001 U	0.013	0.004	0.028	3.00 - 5.00
5B-00101	20261	Cs-134	0.0127 U	0.035	0.0032	0.0864	3.00 - 5.00
5B-00101	20261	Cs-137	-0.007 U	0.012	0.0038	0.207	3.00 - 5.00
5B-00101	20261	Eu-152	0.0102 U	0.031	0.0054	0.0566	3.00 - 5.00
5B-00101	20261	Eu-154	-0.04 U	0.077	0.023	0.15	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00101	20261	Eu-155	0.051 SK	0.027	0.01	0.231	3.00 - 5.00
5B-00101	20261	Ho-166m	0.0047 U	0.019	0.0034	0.0432	3.00 - 5.00
5B-00101	20261	K-40	18.5	0.14	0.62	32.4	3.00 - 5.00
5B-00101	20261	Na-22	0.001 U	0.018	0.0053	0.037	3.00 - 5.00
5B-00101	20261	Nb-94	0.0049 U	0.01	0.0031	0.0214	3.00 - 5.00
5B-00101	20261	Np-236	-0.005 U	0.027	0.008	0.047	3.00 - 5.00
5B-00101	20261	Np-239	-0.01 U	0.074	0.022	0.139	3.00 - 5.00
5B-00101	20261	Pa-231	-0.05 U	0.48	0.14	0.936	3.00 - 5.00
5B-00101	20261	Pb-212	1.52	0.02	0.08	2.69	3.00 - 5.00
5B-00101	20261	Pb-214	0.979	0.022	0.037	1.7	3.00 - 5.00
5B-00101	20261	Pu-236	0 U	0.0023	0.0007	7.79	3.00 - 5.00
5B-00101	20261	Pu-238	0.0008 U	0.0022	0.0008	0.0415	3.00 - 5.00
5B-00101	20261	Pu-239/240	0.0008 U	0.0023	0.0008	0.0404	3.00 - 5.00
5B-00101	20261	Pu-244	0.0008 U	0.0022	0.0008	0.0313	3.00 - 5.00
5B-00101	20261	Sb-125	0.108 SK	0.031	0.0077	0.354	3.00 - 5.00
5B-00101	20261	Sn-126	0.0017 U	0.012	0.0035	0.0237	3.00 - 5.00
5B-00101	20261	Sr-90	0.012 U	0.036	0.011	0.485	3.00 - 5.00
5B-00101	20261	Te-125m	0.0249 SK	0.0072	0.0018	0.0838	3.00 - 5.00
5B-00101	20261	Th-228	1.29	0.011	0.064	3.98	3.00 - 5.00
5B-00101	20261	Th-229	0.0102	0.015	0.0055	0.145	3.00 - 5.00
5B-00101	20261	Th-230	0.984	0.002	0.051	2.2	3.00 - 5.00
5B-00101	20261	Th-232	1.27	0.01	0.063	3.1	3.00 - 5.00
5B-00101	20261	Th-234	1.59 R	0.13	0.086	3.19	3.00 - 5.00
5B-00101	20261	Tl-208	0.471	0.014	0.018	0.937	3.00 - 5.00
5B-00101	20261	Tm-171	-0.7 U J	4.5	1.3	72.4	3.00 - 5.00
5B-00101	20261	U-233/234	0.747	0.007	0.042	2.02	3.00 - 5.00
5B-00101	20261	U-235/236	0.0397	0.0091	0.0074	0.151	3.00 - 5.00
5B-00101	20261	U-238	0.751	0.013	0.042	1.8	3.00 - 5.00
5B-00101	20262	Ac-227	0.033 U	0.11	0.018	0.217	0.00 - 0.50
5B-00101	20262	Ac-228	1.19	0.063	0.043	2.4	0.00 - 0.50
5B-00101	20262	Am-241	0.0022 U	0.0029	0.0015	0.0454	0.00 - 0.50
5B-00101	20262	Bi-212	0.974	0.12	0.079	2.15	0.00 - 0.50
5B-00101	20262	Bi-214	0.772	0.02	0.029	1.59	0.00 - 0.50
5B-00101	20262	Cd-113m	-8 U	33	10	3030	0.00 - 0.50
5B-00101	20262	Cm-243/244	0 U	0.0029	0.0012	0.0443	0.00 - 0.50
5B-00101	20262	Cm-245/246	0.0013	0.0012	0.0008	0.0401	0.00 - 0.50
5B-00101	20262	Cm-247/248	0.0004 U	0.0012	0.0004	0.0306	0.00 - 0.50
5B-00101	20262	Co-60	0.0031 U	0.015	0.0044	0.028	0.00 - 0.50
5B-00101	20262	Cs-134	0.0053 U	0.044	0.0015	0.0864	0.00 - 0.50
5B-00101	20262	Cs-137	0.0019 U	0.013	0.0038	0.207	0.00 - 0.50
5B-00101	20262	Eu-152	-0.01 U	0.03	0.0091	0.0566	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00101	20262	Eu-154	-9E-04 U	0.079	0.001	0.15	0.00 - 0.50
5B-00101	20262	Eu-155	0.052 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00101	20262	Ho-166m	0.0085 U	0.019	0.0041	0.0432	0.00 - 0.50
5B-00101	20262	K-40	23	0.13	0.76	32.4	0.00 - 0.50
5B-00101	20262	Na-22	0 U	0.02	0.0058	0.037	0.00 - 0.50
5B-00101	20262	Nb-94	0.0025 U	0.011	0.0033	0.0214	0.00 - 0.50
5B-00101	20262	Np-236	-0.011 U	0.026	0.0079	0.047	0.00 - 0.50
5B-00101	20262	Np-239	-8E-04 U	0.072	0.022	0.139	0.00 - 0.50
5B-00101	20262	Pa-231	-0.1 U	0.49	0.15	0.936	0.00 - 0.50
5B-00101	20262	Pb-212	1.52	0.021	0.08	2.69	0.00 - 0.50
5B-00101	20262	Pb-214	0.859	0.021	0.032	1.7	0.00 - 0.50
5B-00101	20262	Pu-236	0 U	0.002	0.0006	7.79	0.00 - 0.50
5B-00101	20262	Pu-238	0.0004 U	0.0068	0.0016	0.0415	0.00 - 0.50
5B-00101	20262	Pu-239/240	0.0015	0.002	0.0011	0.0404	0.00 - 0.50
5B-00101	20262	Pu-244	0 U	0.002	0.0006	0.0313	0.00 - 0.50
5B-00101	20262	Sb-125	0.0934 JSK	0.034	0.0068	0.354	0.00 - 0.50
5B-00101	20262	Sn-126	0.0005 U	0.01	0.0031	0.0237	0.00 - 0.50
5B-00101	20262	Sr-90	0.0008 U	0.034	0.0099	0.485	0.00 - 0.50
5B-00101	20262	Te-125m	0.0216 JSK	0.0078	0.0016	0.0838	0.00 - 0.50
5B-00101	20262	Th-228	1.21	0.011	0.061	3.98	0.00 - 0.50
5B-00101	20262	Th-229	0.0156	0.0057	0.0037	0.145	0.00 - 0.50
5B-00101	20262	Th-230	0.92	0.002	0.048	2.2	0.00 - 0.50
5B-00101	20262	Th-232	1.16	0.01	0.058	3.1	0.00 - 0.50
5B-00101	20262	Th-234	1.28 R	0.12	0.075	3.19	0.00 - 0.50
5B-00101	20262	Tl-208	0.449	0.014	0.018	0.937	0.00 - 0.50
5B-00101	20262	Tm-171	-1.3 U	5.3	1.6	72.4	0.00 - 0.50
5B-00101	20262	U-233/234	0.615	0.008	0.032	2.02	0.00 - 0.50
5B-00101	20262	U-235/236	0.0342	0.002	0.0052	0.151	0.00 - 0.50
5B-00101	20262	U-238	0.703	0.006	0.036	1.8	0.00 - 0.50
5B-00112	20263	Ac-227	0.025 U	0.13	0.011	0.217	3.00 - 5.00
5B-00112	20263	Ac-228	1.48	0.068	0.052	2.4	3.00 - 5.00
5B-00112	20263	Am-241	0.002 U	0.0074	0.0021	0.0454	3.00 - 5.00
5B-00112	20263	Bi-212	1.21	0.11	0.074	2.15	3.00 - 5.00
5B-00112	20263	Bi-214	1.06	0.024	0.04	1.59	3.00 - 5.00
5B-00112	20263	Cd-113m	-9.49 U	33	9.96	3030	3.00 - 5.00
5B-00112	20263	Cm-243/244	0.003	0.0027	0.0017	0.0443	3.00 - 5.00
5B-00112	20263	Cm-245/246	0 U J	0.0087	0.0036	0.0401	3.00 - 5.00
5B-00112	20263	Cm-247/248	0.0126	0.0085	0.0063	0.0306	3.00 - 5.00
5B-00112	20263	Co-60	-0.003 U	0.016	0.0047	0.028	3.00 - 5.00
5B-00112	20263	Cs-134	0.0015 U	0.047	0.0025	0.0864	3.00 - 5.00
5B-00112	20263	Cs-137	-0.007 U	0.014	0.0042	0.207	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00112	20263	Eu-152	-0.009 U	0.033	0.01	0.0566	3.00 - 5.00
5B-00112	20263	Eu-154	-0.021 U	0.088	0.026	0.15	3.00 - 5.00
5B-00112	20263	Eu-155	0.103 SK	0.031	0.014	0.231	3.00 - 5.00
5B-00112	20263	Ho-166m	0.0369 SK	0.02	0.0044	0.0432	3.00 - 5.00
5B-00112	20263	K-40	19	0.13	0.63	32.4	3.00 - 5.00
5B-00112	20263	Na-22	0.0022 U	0.02	0.0059	0.037	3.00 - 5.00
5B-00112	20263	Nb-94	0.007 SK	0.012	0.0035	0.0214	3.00 - 5.00
5B-00112	20263	Np-236	0.0121 SK	0.022	0.0068	0.047	3.00 - 5.00
5B-00112	20263	Np-239	0.001 U	0.08	0.024	0.139	3.00 - 5.00
5B-00112	20263	Pa-231	-0.12 U	0.54	0.16	0.936	3.00 - 5.00
5B-00112	20263	Pb-212	1.81	0.026	0.096	2.69	3.00 - 5.00
5B-00112	20263	Pb-214	1.23	0.023	0.045	1.7	3.00 - 5.00
5B-00112	20263	Pu-236	-0.003 L U	0.01	0.0016	7.79	3.00 - 5.00
5B-00112	20263	Pu-238	-0.002 U	0.0087	0.0013	0.0415	3.00 - 5.00
5B-00112	20263	Pu-239/240	-6E-04 U	0.0057	0.0006	0.0404	3.00 - 5.00
5B-00112	20263	Pu-244	0.001 U	0.0026	0.001	0.0313	3.00 - 5.00
5B-00112	20263	Sb-125	0.013 U	0.035	0.012	0.354	3.00 - 5.00
5B-00112	20263	Sn-126	0.004 U	0.013	0.0039	0.0237	3.00 - 5.00
5B-00112	20263	Sr-90	0.006 U	0.028	0.0084	0.485	3.00 - 5.00
5B-00112	20263	Te-125m	0.003 U	0.0082	0.0028	0.0838	3.00 - 5.00
5B-00112	20263	Th-228	1.58	0.014	0.077	3.98	3.00 - 5.00
5B-00112	20263	Th-229	0.0021 U	0.014	0.0039	0.145	3.00 - 5.00
5B-00112	20263	Th-230	1.32	0.007	0.066	2.2	3.00 - 5.00
5B-00112	20263	Th-232	1.48	0.002	0.072	3.1	3.00 - 5.00
5B-00112	20263	Th-234	1.82 R	0.14	0.097	3.19	3.00 - 5.00
5B-00112	20263	Tl-208	0.569	0.016	0.022	0.937	3.00 - 5.00
5B-00112	20263	Tm-171	0.2 U J	4.6	1.4	72.4	3.00 - 5.00
5B-00112	20263	U-233/234	0.873	0.007	0.047	2.02	3.00 - 5.00
5B-00112	20263	U-235/236	0.0343	0.0087	0.0068	0.151	3.00 - 5.00
5B-00112	20263	U-238	0.873	0.009	0.047	1.8	3.00 - 5.00
5B-00113	20264	Ac-227	0.06	0.12	0.013	0.217	3.00 - 5.00
5B-00113	20264	Ac-228	1.23	0.072	0.044	2.4	3.00 - 5.00
5B-00113	20264	Am-241	0 U	0.0031	0.0013	0.0454	3.00 - 5.00
5B-00113	20264	Bi-212	1.08	0.098	0.066	2.15	3.00 - 5.00
5B-00113	20264	Bi-214	0.835	0.021	0.032	1.59	3.00 - 5.00
5B-00113	20264	Cd-113m	-1.3 U	31	9.4	3030	3.00 - 5.00
5B-00113	20264	Cm-243/244	0.0034	0.0031	0.002	0.0443	3.00 - 5.00
5B-00113	20264	Cm-245/246	0.002 U J	0.0027	0.0014	0.0401	3.00 - 5.00
5B-00113	20264	Cm-247/248	0.003	0.0027	0.0017	0.0306	3.00 - 5.00
5B-00113	20264	Co-60	-2E-04 U	0.014	0.0041	0.028	3.00 - 5.00
5B-00113	20264	Cs-134	0 U	0.037	0.0001	0.0864	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00113	20264	Cs-137	0.0001 U	0.012	0.0037	0.207	3.00 - 5.00
5B-00113	20264	Eu-152	-0.005 U	0.03	0.0091	0.0566	3.00 - 5.00
5B-00113	20264	Eu-154	0.007 U	0.071	0.012	0.15	3.00 - 5.00
5B-00113	20264	Eu-155	0.084 SK	0.032	0.014	0.231	3.00 - 5.00
5B-00113	20264	Ho-166m	0.0197 SK	0.013	0.0072	0.0432	3.00 - 5.00
5B-00113	20264	K-40	20.6	0.14	0.68	32.4	3.00 - 5.00
5B-00113	20264	Na-22	-4E-04 U	0.018	0.0052	0.037	3.00 - 5.00
5B-00113	20264	Nb-94	0.0027 U	0.01	0.0031	0.0214	3.00 - 5.00
5B-00113	20264	Np-236	-0.006 U	0.026	0.0079	0.047	3.00 - 5.00
5B-00113	20264	Np-239	-5E-04 U	0.073	0.022	0.139	3.00 - 5.00
5B-00113	20264	Pa-231	-0.18 U	0.48	0.15	0.936	3.00 - 5.00
5B-00113	20264	Pb-212	1.64	0.02	0.086	2.69	3.00 - 5.00
5B-00113	20264	Pb-214	0.939	0.022	0.035	1.7	3.00 - 5.00
5B-00113	20264	Pu-236	-0.002 U	0.0073	0.0011	7.79	3.00 - 5.00
5B-00113	20264	Pu-238	-1E-04 U	0.0053	0.001	0.0415	3.00 - 5.00
5B-00113	20264	Pu-239/240	0.001 U	0.0043	0.0011	0.0404	3.00 - 5.00
5B-00113	20264	Pu-244	0.0022	0.002	0.0013	0.0313	3.00 - 5.00
5B-00113	20264	Sb-125	0.122 SK	0.032	0.0084	0.354	3.00 - 5.00
5B-00113	20264	Sn-126	-0.005 U	0.012	0.0036	0.0237	3.00 - 5.00
5B-00113	20264	Sr-90	0.0102 U	0.033	0.01	0.485	3.00 - 5.00
5B-00113	20264	Te-125m	0.0282 SK	0.0073	0.0019	0.0838	3.00 - 5.00
5B-00113	20264	Th-228	1.35	0.015	0.067	3.98	3.00 - 5.00
5B-00113	20264	Th-229	0.0023 U	0.011	0.003	0.145	3.00 - 5.00
5B-00113	20264	Th-230	0.926	0.011	0.049	2.2	3.00 - 5.00
5B-00113	20264	Th-232	1.33	0.007	0.066	3.1	3.00 - 5.00
5B-00113	20264	Th-234	0.378 R	0.14	0.045	3.19	3.00 - 5.00
5B-00113	20264	Tl-208	0.491	0.014	0.019	0.937	3.00 - 5.00
5B-00113	20264	Tm-171	-0.07 U J	4.5	1.4	72.4	3.00 - 5.00
5B-00113	20264	U-233/234	0.662	0.017	0.041	2.02	3.00 - 5.00
5B-00113	20264	U-235/236	0.0402	0.0044	0.0082	0.151	3.00 - 5.00
5B-00113	20264	U-238	0.647	0.012	0.04	1.8	3.00 - 5.00
5B-00114	20265	Ac-227	0.038 U	0.15	0.042	0.217	3.00 - 5.00
5B-00114	20265	Ac-228	1.37	0.091	0.048	2.4	3.00 - 5.00
5B-00114	20265	Am-241	0.0054	0.0029	0.0024	0.0454	3.00 - 5.00
5B-00114	20265	Bi-212	1.12	0.15	0.084	2.15	3.00 - 5.00
5B-00114	20265	Bi-214	0.874	0.026	0.031	1.59	3.00 - 5.00
5B-00114	20265	Cd-113m	-9 U	44	13	3030	3.00 - 5.00
5B-00114	20265	Cm-243/244	0.0011 U	0.0098	0.0025	0.0443	3.00 - 5.00
5B-00114	20265	Cm-245/246	0.0007 U	0.0019	0.0007	0.0401	3.00 - 5.00
5B-00114	20265	Cm-247/248	-7E-04 U	0.0049	0.0008	0.0306	3.00 - 5.00
5B-00114	20265	Co-60	0.0039 U	0.021	0.0054	0.028	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00114	20265	Cs-134	-7E-04 U	0.035	0.011	0.0864	3.00 - 5.00
5B-00114	20265	Cs-137	0.0014 U	0.018	0.0059	0.207	3.00 - 5.00
5B-00114	20265	Eu-152	0.029 J	0.028	0.013	0.0566	3.00 - 5.00
5B-00114	20265	Eu-154	-0.051 U	0.12	0.036	0.15	3.00 - 5.00
5B-00114	20265	Eu-155	0.087 SK	0.036	0.015	0.231	3.00 - 5.00
5B-00114	20265	Ho-166m	0.0142 SK	0.027	0.0076	0.0432	3.00 - 5.00
5B-00114	20265	K-40	20.3	0.15	0.62	32.4	3.00 - 5.00
5B-00114	20265	Na-22	0.0002 U	0.027	0.0081	0.037	3.00 - 5.00
5B-00114	20265	Nb-94	0.0025 U	0.016	0.0047	0.0214	3.00 - 5.00
5B-00114	20265	Np-236	-0.009 U	0.03	0.0091	0.047	3.00 - 5.00
5B-00114	20265	Np-239	-0.013 U	0.094	0.028	0.139	3.00 - 5.00
5B-00114	20265	Pa-231	-0.002 U	0.62	0.19	0.936	3.00 - 5.00
5B-00114	20265	Pb-212	1.83	0.026	0.074	2.69	3.00 - 5.00
5B-00114	20265	Pb-214	0.969	0.029	0.033	1.7	3.00 - 5.00
5B-00114	20265	Pu-236	-0.003 L U	0.01	0.0016	7.79	3.00 - 5.00
5B-00114	20265	Pu-238	-2E-04 U	0.0068	0.0013	0.0415	3.00 - 5.00
5B-00114	20265	Pu-239/240	0.0009 U	0.0025	0.0009	0.0404	3.00 - 5.00
5B-00114	20265	Pu-244	0.0019	0.0025	0.0013	0.0313	3.00 - 5.00
5B-00114	20265	Sb-125	0.12 SK	0.053	0.0096	0.354	3.00 - 5.00
5B-00114	20265	Sn-126	0 U	0.016	0.0046	0.0237	3.00 - 5.00
5B-00114	20265	Sr-90	0.002 U	0.037	0.011	0.485	3.00 - 5.00
5B-00114	20265	Te-125m	0.0278 SK	0.012	0.0022	0.0838	3.00 - 5.00
5B-00114	20265	Th-228	1.36	0.034	0.08	3.98	3.00 - 5.00
5B-00114	20265	Th-229	0.0057	0.011	0.0036	0.145	3.00 - 5.00
5B-00114	20265	Th-230	0.908	0.015	0.059	2.2	3.00 - 5.00
5B-00114	20265	Th-232	1.15	0.021	0.07	3.1	3.00 - 5.00
5B-00114	20265	Th-234	0.349 R	0.17	0.054	3.19	3.00 - 5.00
5B-00114	20265	Tl-208	0.535	0.018	0.02	0.937	3.00 - 5.00
5B-00114	20265	Tm-171	-1.7 U J	5.7	1.7	72.4	3.00 - 5.00
5B-00114	20265	U-233/234	0.685	0.013	0.039	2.02	3.00 - 5.00
5B-00114	20265	U-235/236	0.0338	0.0089	0.0068	0.151	3.00 - 5.00
5B-00114	20265	U-238	0.715	0.003	0.04	1.8	3.00 - 5.00
5B-00114	20266	Ac-227	0.038 U	0.12	0.036	0.217	0.00 - 0.50
5B-00114	20266	Ac-228	1.18	0.067	0.042	2.4	0.00 - 0.50
5B-00114	20266	Am-241	0.0012 U	0.0032	0.0012	0.0454	0.00 - 0.50
5B-00114	20266	Bi-212	0.927	0.09	0.057	2.15	0.00 - 0.50
5B-00114	20266	Bi-214	0.672	0.022	0.027	1.59	0.00 - 0.50
5B-00114	20266	Cd-113m	4 U	34	10	3030	0.00 - 0.50
5B-00114	20266	Cm-243/244	0 U	0.011	0.0025	0.0443	0.00 - 0.50
5B-00114	20266	Cm-245/246	0.0026 J	0.0024	0.0015	0.0401	0.00 - 0.50
5B-00114	20266	Cm-247/248	0.0009 U	0.0063	0.0016	0.0306	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00114	20266	Co-60	-2E-04 U	0.012	0.0036	0.028	0.00 - 0.50
5B-00114	20266	Cs-134	0.0163 U J	0.035	0.0057	0.0864	0.00 - 0.50
5B-00114	20266	Cs-137	0.0014 U	0.013	0.0038	0.207	0.00 - 0.50
5B-00114	20266	Eu-152	0.016 J	0.031	0.011	0.0566	0.00 - 0.50
5B-00114	20266	Eu-154	0.002 U	0.077	0.01	0.15	0.00 - 0.50
5B-00114	20266	Eu-155	0.074 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00114	20266	Ho-166m	0.0058 U	0.02	0.0036	0.0432	0.00 - 0.50
5B-00114	20266	K-40	20.2	0.15	0.67	32.4	0.00 - 0.50
5B-00114	20266	Na-22	-0.004 U	0.019	0.0057	0.037	0.00 - 0.50
5B-00114	20266	Nb-94	0.005 U	0.011	0.0033	0.0214	0.00 - 0.50
5B-00114	20266	Np-236	-0.01 U	0.025	0.0076	0.047	0.00 - 0.50
5B-00114	20266	Np-239	-0.025 U	0.077	0.023	0.139	0.00 - 0.50
5B-00114	20266	Pa-231	0.15 U	0.48	0.11	0.936	0.00 - 0.50
5B-00114	20266	Pb-212	1.55	0.021	0.082	2.69	0.00 - 0.50
5B-00114	20266	Pb-214	0.766	0.023	0.03	1.7	0.00 - 0.50
5B-00114	20266	Pu-236	0 U	0.0085	0.002	7.79	0.00 - 0.50
5B-00114	20266	Pu-238	0.0033	0.0063	0.0021	0.0415	0.00 - 0.50
5B-00114	20266	Pu-239/240	-5E-04 U	0.0051	0.0006	0.0404	0.00 - 0.50
5B-00114	20266	Pu-244	0.0009 U	0.0023	0.0009	0.0313	0.00 - 0.50
5B-00114	20266	Sb-125	0.113 SK	0.033	0.0083	0.354	0.00 - 0.50
5B-00114	20266	Sn-126	-0.002 U J	0.011	0.0033	0.0237	0.00 - 0.50
5B-00114	20266	Sr-90	0.005 U	0.056	0.016	0.485	0.00 - 0.50
5B-00114	20266	Te-125m	0.0261 SK	0.0077	0.0019	0.0838	0.00 - 0.50
5B-00114	20266	Th-228	1.2	0.016	0.06	3.98	0.00 - 0.50
5B-00114	20266	Th-229	0.0122	0.0053	0.0032	0.145	0.00 - 0.50
5B-00114	20266	Th-230	0.814	0.008	0.043	2.2	0.00 - 0.50
5B-00114	20266	Th-232	1.13	0.005	0.056	3.1	0.00 - 0.50
5B-00114	20266	Th-234	0.349 R	0.14	0.045	3.19	0.00 - 0.50
5B-00114	20266	Tl-208	0.488	0.014	0.019	0.937	0.00 - 0.50
5B-00114	20266	Tm-171	0.5 U	4.5	1.4	72.4	0.00 - 0.50
5B-00114	20266	U-233/234	0.607	0.006	0.033	2.02	0.00 - 0.50
5B-00114	20266	U-235/236	0.0271	0.0087	0.0055	0.151	0.00 - 0.50
5B-00114	20266	U-238	0.693	0.002	0.037	1.8	0.00 - 0.50
5B-00115	20267	Ac-227	0.103	0.11	0.022	0.217	3.00 - 5.00
5B-00115	20267	Ac-228	1.39	0.075	0.049	2.4	3.00 - 5.00
5B-00115	20267	Am-241	0.0012 U	0.0017	0.0009	0.0454	3.00 - 5.00
5B-00115	20267	Bi-212	1.17	0.14	0.095	2.15	3.00 - 5.00
5B-00115	20267	Bi-214	0.887	0.027	0.035	1.59	3.00 - 5.00
5B-00115	20267	Cd-113m	-2 U	39	12	3030	3.00 - 5.00
5B-00115	20267	Cm-243/244	-6E-04 U	0.0044	0.0007	0.0443	3.00 - 5.00
5B-00115	20267	Cm-245/246	0 U J	0.0031	0.0013	0.0401	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00115	20267	Cm-247/248	0.0011 U	0.0031	0.0011	0.0306	3.00 - 5.00
5B-00115	20267	Co-60	0.0047 U	0.016	0.0048	0.028	3.00 - 5.00
5B-00115	20267	Cs-134	0.017 U	0.052	0.005	0.0864	3.00 - 5.00
5B-00115	20267	Cs-137	0.0048 U	0.015	0.0046	0.207	3.00 - 5.00
5B-00115	20267	Eu-152	-0.012 U	0.037	0.011	0.0566	3.00 - 5.00
5B-00115	20267	Eu-154	0.0057 U	0.097	0.0059	0.15	3.00 - 5.00
5B-00115	20267	Eu-155	0.086 SK	0.033	0.013	0.231	3.00 - 5.00
5B-00115	20267	Ho-166m	0.0401 SK	0.023	0.0049	0.0432	3.00 - 5.00
5B-00115	20267	K-40	23.1	0.16	0.77	32.4	3.00 - 5.00
5B-00115	20267	Na-22	0 U	0.025	0.0049	0.037	3.00 - 5.00
5B-00115	20267	Nb-94	0.0027 U	0.013	0.004	0.0214	3.00 - 5.00
5B-00115	20267	Np-236	-0.003 U	0.031	0.0093	0.047	3.00 - 5.00
5B-00115	20267	Np-239	-0.004 U	0.088	0.026	0.139	3.00 - 5.00
5B-00115	20267	Pa-231	0.03 U	0.58	0.18	0.936	3.00 - 5.00
5B-00115	20267	Pb-212	1.76	0.023	0.093	2.69	3.00 - 5.00
5B-00115	20267	Pb-214	1.03	0.026	0.04	1.7	3.00 - 5.00
5B-00115	20267	Pu-236	0.0009 U	0.0025	0.0009	7.79	3.00 - 5.00
5B-00115	20267	Pu-238	-0.002 U	0.0083	0.0012	0.0415	3.00 - 5.00
5B-00115	20267	Pu-239/240	0.0009 U	0.0025	0.0009	0.0404	3.00 - 5.00
5B-00115	20267	Pu-244	0.0027	0.0025	0.0016	0.0313	3.00 - 5.00
5B-00115	20267	Sb-125	0.148 SK	0.041	0.011	0.354	3.00 - 5.00
5B-00115	20267	Sn-126	0.002 U	0.01	0.003	0.0237	3.00 - 5.00
5B-00115	20267	Sr-90	0.015 U	0.034	0.01	0.485	3.00 - 5.00
5B-00115	20267	Te-125m	0.0343 SK	0.0094	0.0025	0.0838	3.00 - 5.00
5B-00115	20267	Th-228	1.34	0.018	0.067	3.98	3.00 - 5.00
5B-00115	20267	Th-229	0.0061	0.0063	0.0026	0.145	3.00 - 5.00
5B-00115	20267	Th-230	0.906	0.009	0.048	2.2	3.00 - 5.00
5B-00115	20267	Th-232	1.28	0.007	0.064	3.1	3.00 - 5.00
5B-00115	20267	Th-234	1.63 R	0.15	0.095	3.19	3.00 - 5.00
5B-00115	20267	Tl-208	0.521	0.017	0.021	0.937	3.00 - 5.00
5B-00115	20267	Tm-171	-0.1 U J	6.2	1.9	72.4	3.00 - 5.00
5B-00115	20267	U-233/234	0.77	0.012	0.044	2.02	3.00 - 5.00
5B-00115	20267	U-235/236	0.0309	0.0038	0.0067	0.151	3.00 - 5.00
5B-00115	20267	U-238	0.81	0.01	0.046	1.8	3.00 - 5.00
5B-00116	20268	Ac-227	0.029 U	0.1	0.041	0.217	3.00 - 5.00
5B-00116	20268	Ac-228	1.33	0.06	0.046	2.4	3.00 - 5.00
5B-00116	20268	Am-241	0.0042	0.0038	0.0025	0.0454	3.00 - 5.00
5B-00116	20268	Bi-212	0.995	0.093	0.06	2.15	3.00 - 5.00
5B-00116	20268	Bi-214	0.874	0.021	0.033	1.59	3.00 - 5.00
5B-00116	20268	Cd-113m	3 U	34	10	3030	3.00 - 5.00
5B-00116	20268	Cm-243/244	-0.001 U	0.01	0.0016	0.0443	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00116	20268	Cm-245/246	0.0014 U J	0.0037	0.0014	0.0401	3.00 - 5.00
5B-00116	20268	Cm-247/248	0 U	0.0036	0.0015	0.0306	3.00 - 5.00
5B-00116	20268	Co-60	0.0103	0.0085	0.0037	0.028	3.00 - 5.00
5B-00116	20268	Cs-134	-0.005 U	0.034	0.01	0.0864	3.00 - 5.00
5B-00116	20268	Cs-137	-0.003 U	0.012	0.0037	0.207	3.00 - 5.00
5B-00116	20268	Eu-152	-0.006 U	0.026	0.008	0.0566	3.00 - 5.00
5B-00116	20268	Eu-154	0.008 U	0.075	0.012	0.15	3.00 - 5.00
5B-00116	20268	Eu-155	0.084 SK	0.03	0.013	0.231	3.00 - 5.00
5B-00116	20268	Ho-166m	0.0077 U	0.019	0.0054	0.0432	3.00 - 5.00
5B-00116	20268	K-40	20.9	0.13	0.69	32.4	3.00 - 5.00
5B-00116	20268	Na-22	0.0023 U	0.018	0.0053	0.037	3.00 - 5.00
5B-00116	20268	Nb-94	0.0023 U	0.011	0.0032	0.0214	3.00 - 5.00
5B-00116	20268	Np-236	-0.009 U	0.027	0.0082	0.047	3.00 - 5.00
5B-00116	20268	Np-239	-0.004 U	0.076	0.023	0.139	3.00 - 5.00
5B-00116	20268	Pa-231	-0.003 U	0.48	0.15	0.936	3.00 - 5.00
5B-00116	20268	Pb-212	1.7	0.021	0.089	2.69	3.00 - 5.00
5B-00116	20268	Pb-214	0.966	0.022	0.036	1.7	3.00 - 5.00
5B-00116	20268	Pu-236	-0.002 U	0.0079	0.0012	7.79	3.00 - 5.00
5B-00116	20268	Pu-238	-0.001 U	0.0062	0.0008	0.0415	3.00 - 5.00
5B-00116	20268	Pu-239/240	0.0007 U	0.0062	0.0015	0.0404	3.00 - 5.00
5B-00116	20268	Pu-244	0.0009 U	0.0023	0.0009	0.0313	3.00 - 5.00
5B-00116	20268	Sb-125	0.121 SK	0.029	0.008	0.354	3.00 - 5.00
5B-00116	20268	Sn-126	0.0008 U	0.011	0.0034	0.0237	3.00 - 5.00
5B-00116	20268	Sr-90	0.013 U	0.037	0.011	0.485	3.00 - 5.00
5B-00116	20268	Te-125m	0.028 SK	0.0066	0.0019	0.0838	3.00 - 5.00
5B-00116	20268	Th-228	1.44	0.018	0.07	3.98	3.00 - 5.00
5B-00116	20268	Th-229	0.0049 U	0.015	0.0044	0.145	3.00 - 5.00
5B-00116	20268	Th-230	1.09	0.008	0.055	2.2	3.00 - 5.00
5B-00116	20268	Th-232	1.47	0.006	0.071	3.1	3.00 - 5.00
5B-00116	20268	Th-234	1.53 R	0.13	0.085	3.19	3.00 - 5.00
5B-00116	20268	Tl-208	0.509	0.014	0.019	0.937	3.00 - 5.00
5B-00116	20268	Tm-171	-4.7 R U J	4.5	1.4	72.4	3.00 - 5.00
5B-00116	20268	U-233/234	0.783	0.014	0.046	2.02	3.00 - 5.00
5B-00116	20268	U-235/236	0.0216	0.0045	0.0061	0.151	3.00 - 5.00
5B-00116	20268	U-238	0.775	0.01	0.046	1.8	3.00 - 5.00
5B-00117	20269	Ac-227	0.067 U	0.15	0.046	0.217	3.00 - 5.00
5B-00117	20269	Ac-228	1.34	0.083	0.045	2.4	3.00 - 5.00
5B-00117	20269	Am-241	-0.003 U	0.014	0.0033	0.0454	3.00 - 5.00
5B-00117	20269	Bi-212	1.07	0.14	0.082	2.15	3.00 - 5.00
5B-00117	20269	Bi-214	0.916	0.025	0.033	1.59	3.00 - 5.00
5B-00117	20269	Cd-113m	6 U	42	13	3030	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00117	20269	Cm-243/244	0.003 U	0.0092	0.0027	0.0443	3.00 - 5.00
5B-00117	20269	Cm-245/246	0.0013 U J	0.0094	0.0023	0.0401	3.00 - 5.00
5B-00117	20269	Cm-247/248	-0.001 U	0.0093	0.0014	0.0306	3.00 - 5.00
5B-00117	20269	Co-60	-0.001 U	0.02	0.006	0.028	3.00 - 5.00
5B-00117	20269	Cs-134	0.0102 SK	0.011	0.0042	0.0864	3.00 - 5.00
5B-00117	20269	Cs-137	-0.007 U	0.016	0.005	0.207	3.00 - 5.00
5B-00117	20269	Eu-152	0.012 U	0.04	0.014	0.0566	3.00 - 5.00
5B-00117	20269	Eu-154	0.019 U	0.096	0.014	0.15	3.00 - 5.00
5B-00117	20269	Eu-155	0.068 SK	0.035	0.014	0.231	3.00 - 5.00
5B-00117	20269	Ho-166m	0.0125 SK	0.025	0.0099	0.0432	3.00 - 5.00
5B-00117	20269	K-40	20.3	0.14	0.61	32.4	3.00 - 5.00
5B-00117	20269	Na-22	-0.004 U	0.025	0.0075	0.037	3.00 - 5.00
5B-00117	20269	Nb-94	0.0057 U	0.014	0.0044	0.0214	3.00 - 5.00
5B-00117	20269	Np-236	-0.007 U	0.031	0.0093	0.047	3.00 - 5.00
5B-00117	20269	Np-239	0.0008 U	0.078	0.023	0.139	3.00 - 5.00
5B-00117	20269	Pa-231	0.19 U	0.6	0.1	0.936	3.00 - 5.00
5B-00117	20269	Pb-212	1.72	0.024	0.07	2.69	3.00 - 5.00
5B-00117	20269	Pb-214	1.02	0.026	0.035	1.7	3.00 - 5.00
5B-00117	20269	Pu-236	-0.001 U	0.0063	0.0009	7.79	3.00 - 5.00
5B-00117	20269	Pu-238	0 U	0.0021	0.0007	0.0415	3.00 - 5.00
5B-00117	20269	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	3.00 - 5.00
5B-00117	20269	Pu-244	0.0038	0.0021	0.0017	0.0313	3.00 - 5.00
5B-00117	20269	Sb-125	0.127 SK	0.043	0.01	0.354	3.00 - 5.00
5B-00117	20269	Sn-126	0.0027 U	0.016	0.0049	0.0237	3.00 - 5.00
5B-00117	20269	Sr-90	0.01 U	0.035	0.01	0.485	3.00 - 5.00
5B-00117	20269	Te-125m	0.0293 SK	0.01	0.0024	0.0838	3.00 - 5.00
5B-00117	20269	Th-228	1.41	0.017	0.07	3.98	3.00 - 5.00
5B-00117	20269	Th-229	0.006	0.0063	0.0026	0.145	3.00 - 5.00
5B-00117	20269	Th-230	1.01	0.011	0.052	2.2	3.00 - 5.00
5B-00117	20269	Th-232	1.29	0.003	0.065	3.1	3.00 - 5.00
5B-00117	20269	Th-234	1.51 R	0.15	0.084	3.19	3.00 - 5.00
5B-00117	20269	Tl-208	0.517	0.018	0.019	0.937	3.00 - 5.00
5B-00117	20269	Tm-171	0.1 U J	6.4	1.9	72.4	3.00 - 5.00
5B-00117	20269	U-233/234	0.669	0.009	0.038	2.02	3.00 - 5.00
5B-00117	20269	U-235/236	0.0315	0.0089	0.0066	0.151	3.00 - 5.00
5B-00117	20269	U-238	0.716	0.009	0.04	1.8	3.00 - 5.00
5B-00117	20270	Ac-227	0.012 U	0.14	0.02	0.217	0.00 - 0.50
5B-00117	20270	Ac-228	1.09	0.077	0.04	2.4	0.00 - 0.50
5B-00117	20270	Am-241	0.0013	0.0011	0.0007	0.0454	0.00 - 0.50
5B-00117	20270	Bi-212	0.924	0.12	0.074	2.15	0.00 - 0.50
5B-00117	20270	Bi-214	0.768	0.022	0.028	1.59	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00117	20270	Cd-113m	-0.3 U	36	11	3030	0.00 - 0.50
5B-00117	20270	Cm-243/244	0.0016	0.0011	0.0008	0.0443	0.00 - 0.50
5B-00117	20270	Cm-245/246	0.0023 K	0.0013	0.001	0.0401	0.00 - 0.50
5B-00117	20270	Cm-247/248	0.0005 U	0.0012	0.0005	0.0306	0.00 - 0.50
5B-00117	20270	Co-60	-0.006 U	0.018	0.0055	0.028	0.00 - 0.50
5B-00117	20270	Cs-134	0.002 U	0.048	0.01	0.0864	0.00 - 0.50
5B-00117	20270	Cs-137	0.0004 U	0.015	0.0045	0.207	0.00 - 0.50
5B-00117	20270	Eu-152	0.0099 U	0.035	0.0094	0.0566	0.00 - 0.50
5B-00117	20270	Eu-154	-5E-04 U	0.091	0.027	0.15	0.00 - 0.50
5B-00117	20270	Eu-155	0.069 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00117	20270	Ho-166m	0.0054 U	0.023	0.0081	0.0432	0.00 - 0.50
5B-00117	20270	K-40	18	0.13	0.55	32.4	0.00 - 0.50
5B-00117	20270	Na-22	0.0002 U	0.023	0.0069	0.037	0.00 - 0.50
5B-00117	20270	Nb-94	0.002 U	0.014	0.0019	0.0214	0.00 - 0.50
5B-00117	20270	Np-236	-0.006 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00117	20270	Np-239	-0.028 U	0.081	0.024	0.139	0.00 - 0.50
5B-00117	20270	Pa-231	0.048 U	0.55	0.083	0.936	0.00 - 0.50
5B-00117	20270	Pb-212	1.36	0.026	0.056	2.69	0.00 - 0.50
5B-00117	20270	Pb-214	0.84	0.024	0.029	1.7	0.00 - 0.50
5B-00117	20270	Pu-236	0.0006 U	0.0017	0.0006	7.79	0.00 - 0.50
5B-00117	20270	Pu-238	0.0019	0.0017	0.0011	0.0415	0.00 - 0.50
5B-00117	20270	Pu-239/240	0.0019	0.0017	0.0011	0.0404	0.00 - 0.50
5B-00117	20270	Pu-244	0.0019	0.0017	0.0011	0.0313	0.00 - 0.50
5B-00117	20270	Sb-125	0.0972 JSK	0.04	0.0092	0.354	0.00 - 0.50
5B-00117	20270	Sn-126	0.0035 U	0.015	0.0044	0.0237	0.00 - 0.50
5B-00117	20270	Sr-90	0.023	0.036	0.011	0.485	0.00 - 0.50
5B-00117	20270	Te-125m	0.0224 JSK	0.0092	0.0021	0.0838	0.00 - 0.50
5B-00117	20270	Th-228	1.15	0.011	0.056	3.98	0.00 - 0.50
5B-00117	20270	Th-229	0.0112	0.008	0.0035	0.145	0.00 - 0.50
5B-00117	20270	Th-230	0.777	0.008	0.04	2.2	0.00 - 0.50
5B-00117	20270	Th-232	1.06	0.005	0.052	3.1	0.00 - 0.50
5B-00117	20270	Th-234	0.246 R	0.14	0.044	3.19	0.00 - 0.50
5B-00117	20270	Tl-208	0.44	0.017	0.017	0.937	0.00 - 0.50
5B-00117	20270	Tm-171	-2.2 U	5.7	1.7	72.4	0.00 - 0.50
5B-00117	20270	U-233/234	0.613	0.004	0.03	2.02	0.00 - 0.50
5B-00117	20270	U-235/236	0.0371	0.0012	0.0043	0.151	0.00 - 0.50
5B-00117	20270	U-238	0.645	0.003	0.031	1.8	0.00 - 0.50
5B-00118	20271	Ac-227	0.06	0.12	0.022	0.217	3.00 - 5.00
5B-00118	20271	Ac-228	1.56	0.081	0.05	2.4	3.00 - 5.00
5B-00118	20271	Am-241	0.0032	0.0078	0.0024	0.0454	3.00 - 5.00
5B-00118	20271	Bi-212	1.31	0.15	0.097	2.15	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00118	20271	Bi-214	0.969	0.026	0.034	1.59	3.00 - 5.00
5B-00118	20271	Cd-113m	4 U	43	13	3030	3.00 - 5.00
5B-00118	20271	Cm-243/244	0.0021 U	0.0097	0.0027	0.0443	3.00 - 5.00
5B-00118	20271	Cm-245/246	0.0014 U J	0.01	0.0025	0.0401	3.00 - 5.00
5B-00118	20271	Cm-247/248	-0.003 U	0.012	0.0021	0.0306	3.00 - 5.00
5B-00118	20271	Co-60	0.0033 U	0.019	0.0049	0.028	3.00 - 5.00
5B-00118	20271	Cs-134	0.002 U	0.051	0.015	0.0864	3.00 - 5.00
5B-00118	20271	Cs-137	-0.008 U	0.018	0.0054	0.207	3.00 - 5.00
5B-00118	20271	Eu-152	0.0007 U	0.04	0.012	0.0566	3.00 - 5.00
5B-00118	20271	Eu-154	0.026 U	0.1	0.025	0.15	3.00 - 5.00
5B-00118	20271	Eu-155	0.102 SK	0.034	0.014	0.231	3.00 - 5.00
5B-00118	20271	Ho-166m	-0.002 U	0.025	0.0073	0.0432	3.00 - 5.00
5B-00118	20271	K-40	18.5	0.13	0.56	32.4	3.00 - 5.00
5B-00118	20271	Na-22	0.0004 U	0.025	0.0073	0.037	3.00 - 5.00
5B-00118	20271	Nb-94	0.0066 U	0.015	0.0045	0.0214	3.00 - 5.00
5B-00118	20271	Np-236	0.0005 U	0.033	0.0099	0.047	3.00 - 5.00
5B-00118	20271	Np-239	0.05	0.065	0.024	0.139	3.00 - 5.00
5B-00118	20271	Pa-231	-0.02 U	0.63	0.19	0.936	3.00 - 5.00
5B-00118	20271	Pb-212	1.95	0.024	0.079	2.69	3.00 - 5.00
5B-00118	20271	Pb-214	1.09	0.026	0.037	1.7	3.00 - 5.00
5B-00118	20271	Pu-236	-8E-04 U	0.0079	0.0016	7.79	3.00 - 5.00
5B-00118	20271	Pu-238	-0.002 U	0.0089	0.0018	0.0415	3.00 - 5.00
5B-00118	20271	Pu-239/240	0.0003 U	0.0047	0.001	0.0404	3.00 - 5.00
5B-00118	20271	Pu-244	-2E-04 U	0.0057	0.0011	0.0313	3.00 - 5.00
5B-00118	20271	Sb-125	0.191 SK	0.043	0.013	0.354	3.00 - 5.00
5B-00118	20271	Sn-126	0.0001 U	0.016	0.0048	0.0237	3.00 - 5.00
5B-00118	20271	Sr-90	0.007 U	0.038	0.011	0.485	3.00 - 5.00
5B-00118	20271	Te-125m	0.0441 SK	0.0099	0.003	0.0838	3.00 - 5.00
5B-00118	20271	Th-228	1.69	0.015	0.08	3.98	3.00 - 5.00
5B-00118	20271	Th-229	0.0041	0.0028	0.002	0.145	3.00 - 5.00
5B-00118	20271	Th-230	1.2	0.006	0.06	2.2	3.00 - 5.00
5B-00118	20271	Th-232	1.59	0.002	0.076	3.1	3.00 - 5.00
5B-00118	20271	Th-234	1.83 R	0.15	0.093	3.19	3.00 - 5.00
5B-00118	20271	Tl-208	0.608	0.018	0.022	0.937	3.00 - 5.00
5B-00118	20271	Tm-171	-2.9 U J	5.5	1.7	72.4	3.00 - 5.00
5B-00118	20271	U-233/234	0.82	0.01	0.046	2.02	3.00 - 5.00
5B-00118	20271	U-235/236	0.039	0.013	0.0081	0.151	3.00 - 5.00
5B-00118	20271	U-238	0.797	0.01	0.045	1.8	3.00 - 5.00
5B-00118	20272	Ac-227	0.05 U	0.14	0.032	0.217	0.00 - 0.50
5B-00118	20272	Ac-228	1.27	0.094	0.044	2.4	0.00 - 0.50
5B-00118	20272	Am-241	0.001 U	0.0074	0.0018	0.0454	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00118	20272	Bi-212	1.1	0.14	0.077	2.15	0.00 - 0.50
5B-00118	20272	Bi-214	1.01	0.029	0.036	1.59	0.00 - 0.50
5B-00118	20272	Cd-113m	0.005 U	43	13	3030	0.00 - 0.50
5B-00118	20272	Cm-243/244	0.002 U	0.0027	0.0014	0.0443	0.00 - 0.50
5B-00118	20272	Cm-245/246	0.0027	0.0024	0.0015	0.0401	0.00 - 0.50
5B-00118	20272	Cm-247/248	0.0017 U	0.0064	0.0018	0.0306	0.00 - 0.50
5B-00118	20272	Co-60	0 U	0.023	0.0046	0.028	0.00 - 0.50
5B-00118	20272	Cs-134	0.0081 U	0.035	0.0042	0.0864	0.00 - 0.50
5B-00118	20272	Cs-137	0.0004 U	0.017	0.0053	0.207	0.00 - 0.50
5B-00118	20272	Eu-152	-0.006 U	0.041	0.012	0.0566	0.00 - 0.50
5B-00118	20272	Eu-154	0.017 U	0.08	0.016	0.15	0.00 - 0.50
5B-00118	20272	Eu-155	0.087 SK	0.035	0.014	0.231	0.00 - 0.50
5B-00118	20272	Ho-166m	0.015 SK	0.026	0.012	0.0432	0.00 - 0.50
5B-00118	20272	K-40	18.9	0.15	0.58	32.4	0.00 - 0.50
5B-00118	20272	Na-22	-6E-04 U	0.026	0.0076	0.037	0.00 - 0.50
5B-00118	20272	Nb-94	0.0002 U	0.016	0.0048	0.0214	0.00 - 0.50
5B-00118	20272	Np-236	0 U	0.024	0.0071	0.047	0.00 - 0.50
5B-00118	20272	Np-239	-1E-04 U	0.077	0.023	0.139	0.00 - 0.50
5B-00118	20272	Pa-231	-0.17 U	0.62	0.19	0.936	0.00 - 0.50
5B-00118	20272	Pb-212	1.72	0.024	0.07	2.69	0.00 - 0.50
5B-00118	20272	Pb-214	1.14	0.03	0.039	1.7	0.00 - 0.50
5B-00118	20272	Pu-236	-0.001 U	0.0066	0.0009	7.79	0.00 - 0.50
5B-00118	20272	Pu-238	0.0024	0.0021	0.0014	0.0415	0.00 - 0.50
5B-00118	20272	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	0.00 - 0.50
5B-00118	20272	Pu-244	0.0047	0.0021	0.0019	0.0313	0.00 - 0.50
5B-00118	20272	Sb-125	0.13 JSK	0.047	0.01	0.354	0.00 - 0.50
5B-00118	20272	Sn-126	0.0002 U	0.018	0.0053	0.0237	0.00 - 0.50
5B-00118	20272	Sr-90	0.0076 U	0.033	0.0098	0.485	0.00 - 0.50
5B-00118	20272	Te-125m	0.03 JSK	0.011	0.0023	0.0838	0.00 - 0.50
5B-00118	20272	Th-228	1.36	0.018	0.07	3.98	0.00 - 0.50
5B-00118	20272	Th-229	0.0126	0.014	0.0052	0.145	0.00 - 0.50
5B-00118	20272	Th-230	0.959	0.008	0.052	2.2	0.00 - 0.50
5B-00118	20272	Th-232	1.24	0.003	0.064	3.1	0.00 - 0.50
5B-00118	20272	Th-234	0.694 R	0.16	0.056	3.19	0.00 - 0.50
5B-00118	20272	Tl-208	0.526	0.019	0.02	0.937	0.00 - 0.50
5B-00118	20272	Tm-171	0.5 U	4.8	1.4	72.4	0.00 - 0.50
5B-00118	20272	U-233/234	0.937	0.012	0.052	2.02	0.00 - 0.50
5B-00118	20272	U-235/236	0.0285	0.015	0.0075	0.151	0.00 - 0.50
5B-00118	20272	U-238	0.922	0.012	0.052	1.8	0.00 - 0.50
5B-00119	20273	Ac-227	0.063	0.068	0.015	0.217	1.00 - 4.00
5B-00119	20273	Ac-228	1.09	0.043	0.035	2.4	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00119	20273	Am-241	0.001 U	0.0026	0.001	0.0454	1.00 - 4.00
5B-00119	20273	Bi-212	0.834	0.076	0.048	2.15	1.00 - 4.00
5B-00119	20273	Bi-214	0.57	0.017	0.02	1.59	1.00 - 4.00
5B-00119	20273	Cd-113m	0.6 U	27	8.1	3030	1.00 - 4.00
5B-00119	20273	Cm-243/244	0.0009 U	0.0025	0.0009	0.0443	1.00 - 4.00
5B-00119	20273	Cm-245/246	0 U J	0.011	0.0025	0.0401	1.00 - 4.00
5B-00119	20273	Cm-247/248	0.0023 U	0.0085	0.0024	0.0306	1.00 - 4.00
5B-00119	20273	Co-60	0.0006 U	0.011	0.0006	0.028	1.00 - 4.00
5B-00119	20273	Cs-134	0.0117 U	0.027	0.003	0.0864	1.00 - 4.00
5B-00119	20273	Cs-137	-0.003 U	0.0095	0.0029	0.207	1.00 - 4.00
5B-00119	20273	Eu-152	0.0031 U	0.023	0.0016	0.0566	1.00 - 4.00
5B-00119	20273	Eu-154	0.005 U	0.058	0.011	0.15	1.00 - 4.00
5B-00119	20273	Eu-155	0.0516 SK	0.023	0.0091	0.231	1.00 - 4.00
5B-00119	20273	Ho-166m	0.0036 U	0.015	0.0023	0.0432	1.00 - 4.00
5B-00119	20273	K-40	18.1	0.09	0.53	32.4	1.00 - 4.00
5B-00119	20273	Na-22	-0.002 U	0.014	0.0043	0.037	1.00 - 4.00
5B-00119	20273	Nb-94	0.0038 U	0.0084	0.0025	0.0214	1.00 - 4.00
5B-00119	20273	Np-236	-2E-04 U	0.021	0.0064	0.047	1.00 - 4.00
5B-00119	20273	Np-239	-0.007 U	0.054	0.016	0.139	1.00 - 4.00
5B-00119	20273	Pa-231	-0.14 U	0.38	0.12	0.936	1.00 - 4.00
5B-00119	20273	Pb-212	1.39	0.015	0.056	2.69	1.00 - 4.00
5B-00119	20273	Pb-214	0.652	0.016	0.022	1.7	1.00 - 4.00
5B-00119	20273	Pu-236	0.0008 U	0.0072	0.0017	7.79	1.00 - 4.00
5B-00119	20273	Pu-238	0.001 U	0.0027	0.001	0.0415	1.00 - 4.00
5B-00119	20273	Pu-239/240	0.002	0.0027	0.0014	0.0404	1.00 - 4.00
5B-00119	20273	Pu-244	0 U	0.0027	0.0009	0.0313	1.00 - 4.00
5B-00119	20273	Sb-125	0.116 JSK	0.025	0.0074	0.354	1.00 - 4.00
5B-00119	20273	Sn-126	0.0015 U	0.009	0.0027	0.0237	1.00 - 4.00
5B-00119	20273	Sr-90	0.006 U	0.036	0.011	0.485	1.00 - 4.00
5B-00119	20273	Te-125m	0.0269 JSK	0.0059	0.0017	0.0838	1.00 - 4.00
5B-00119	20273	Th-228	1.17	0.028	0.065	3.98	1.00 - 4.00
5B-00119	20273	Th-229	0.0085	0.011	0.0041	0.145	1.00 - 4.00
5B-00119	20273	Th-230	0.906	0.011	0.053	2.2	1.00 - 4.00
5B-00119	20273	Th-232	1.16	0.004	0.064	3.1	1.00 - 4.00
5B-00119	20273	Th-234	1.22 R	0.11	0.063	3.19	1.00 - 4.00
5B-00119	20273	Tl-208	0.418	0.012	0.015	0.937	1.00 - 4.00
5B-00119	20273	Tm-171	0.1 U	4.5	1.3	72.4	1.00 - 4.00
5B-00119	20273	U-233/234	0.879	0.012	0.048	2.02	1.00 - 4.00
5B-00119	20273	U-235/236	0.0395	0.0037	0.0075	0.151	1.00 - 4.00
5B-00119	20273	U-238	0.866	0.008	0.048	1.8	1.00 - 4.00
5B-00119	20274	Ac-227	0.045 U	0.12	0.052	0.217	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00119	20274	Ac-228	1.26	0.063	0.045	2.4	0.00 - 0.50
5B-00119	20274	Am-241	-0.003 U	0.011	0.002	0.0454	0.00 - 0.50
5B-00119	20274	Bi-212	1.07	0.12	0.081	2.15	0.00 - 0.50
5B-00119	20274	Bi-214	1.03	0.023	0.038	1.59	0.00 - 0.50
5B-00119	20274	Cd-113m	11.9 U	25	7.5	3030	0.00 - 0.50
5B-00119	20274	Cm-243/244	-0.001 U	0.0074	0.0011	0.0443	0.00 - 0.50
5B-00119	20274	Cm-245/246	0.0012 U J	0.0031	0.0012	0.0401	0.00 - 0.50
5B-00119	20274	Cm-247/248	0.0011 U	0.0031	0.0011	0.0306	0.00 - 0.50
5B-00119	20274	Co-60	-5E-04 U	0.015	0.0044	0.028	0.00 - 0.50
5B-00119	20274	Cs-134	0.0021 U J	0.0078	0.0039	0.0864	0.00 - 0.50
5B-00119	20274	Cs-137	0.0013 U	0.013	0.0039	0.207	0.00 - 0.50
5B-00119	20274	Eu-152	0.01 U	0.03	0.012	0.0566	0.00 - 0.50
5B-00119	20274	Eu-154	0.0219 U	0.064	0.0075	0.15	0.00 - 0.50
5B-00119	20274	Eu-155	0.069 RSK	0.03	0.012	0.231	0.00 - 0.50
5B-00119	20274	Ho-166m	0.0052 U	0.014	0.0055	0.0432	0.00 - 0.50
5B-00119	20274	K-40	22	0.15	0.73	32.4	0.00 - 0.50
5B-00119	20274	Na-22	0 U	0.02	0.0059	0.037	0.00 - 0.50
5B-00119	20274	Nb-94	0.0041 U	0.011	0.0033	0.0214	0.00 - 0.50
5B-00119	20274	Np-236	-0.013 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00119	20274	Np-239	-0.019 U	0.074	0.022	0.139	0.00 - 0.50
5B-00119	20274	Pa-231	0.02 U	0.4	0.11	0.936	0.00 - 0.50
5B-00119	20274	Pb-212	1.7	0.021	0.089	2.69	0.00 - 0.50
5B-00119	20274	Pb-214	1.15	0.023	0.043	1.7	0.00 - 0.50
5B-00119	20274	Pu-236	-5E-04 U	0.004	0.0006	7.79	0.00 - 0.50
5B-00119	20274	Pu-238	0.0005 U	0.004	0.001	0.0415	0.00 - 0.50
5B-00119	20274	Pu-239/240	0 U	0.0015	0.0006	0.0404	0.00 - 0.50
5B-00119	20274	Pu-244	0.0022	0.0015	0.0011	0.0313	0.00 - 0.50
5B-00119	20274	Sb-125	0.148 SK	0.034	0.01	0.354	0.00 - 0.50
5B-00119	20274	Sn-126	-3E-04 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00119	20274	Sr-90	-3E-04 U	0.044	0.013	0.485	0.00 - 0.50
5B-00119	20274	Te-125m	0.0342 SK	0.0078	0.0023	0.0838	0.00 - 0.50
5B-00119	20274	Th-228	1.47	0.02	0.076	3.98	0.00 - 0.50
5B-00119	20274	Th-229	0.0094	0.0032	0.0033	0.145	0.00 - 0.50
5B-00119	20274	Th-230	1.06	0.013	0.058	2.2	0.00 - 0.50
5B-00119	20274	Th-232	1.39	0.012	0.073	3.1	0.00 - 0.50
5B-00119	20274	Th-234	1.47	0.14	0.085	3.19	0.00 - 0.50
5B-00119	20274	Tl-208	0.497	0.015	0.019	0.937	0.00 - 0.50
5B-00119	20274	Tm-171	-1.9 U	5.8	1.8	72.4	0.00 - 0.50
5B-00119	20274	U-233/234	0.948	0.007	0.047	2.02	0.00 - 0.50
5B-00119	20274	U-235/236	0.0459	0.0062	0.0067	0.151	0.00 - 0.50
5B-00119	20274	U-238	0.947	0.002	0.047	1.8	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00120	20275	Ac-227	0.052 U	0.13	0.021	0.217	1.00 - 4.30
5B-00120	20275	Ac-228	1.29	0.083	0.045	2.4	1.00 - 4.30
5B-00120	20275	Am-241	0.002 U	0.0093	0.0026	0.0454	1.00 - 4.30
5B-00120	20275	Bi-212	1.05	0.13	0.079	2.15	1.00 - 4.30
5B-00120	20275	Bi-214	0.711	0.023	0.026	1.59	1.00 - 4.30
5B-00120	20275	Cd-113m	-1 U	37	11	3030	1.00 - 4.30
5B-00120	20275	Cm-243/244	0.002 U	0.013	0.0036	0.0443	1.00 - 4.30
5B-00120	20275	Cm-245/246	0.0012 U J	0.0031	0.0012	0.0401	1.00 - 4.30
5B-00120	20275	Cm-247/248	-0.001 U	0.0084	0.0013	0.0306	1.00 - 4.30
5B-00120	20275	Co-60	0.0038 U	0.018	0.0033	0.028	1.00 - 4.30
5B-00120	20275	Cs-134	0.0153 SK	0.028	0.0042	0.0864	1.00 - 4.30
5B-00120	20275	Cs-137	0.0089	0.014	0.005	0.207	1.00 - 4.30
5B-00120	20275	Eu-152	0.0092 U	0.036	0.0054	0.0566	1.00 - 4.30
5B-00120	20275	Eu-154	-0.033 U	0.098	0.03	0.15	1.00 - 4.30
5B-00120	20275	Eu-155	0.084 SK	0.032	0.013	0.231	1.00 - 4.30
5B-00120	20275	Ho-166m	0.0093 U	0.022	0.0077	0.0432	1.00 - 4.30
5B-00120	20275	K-40	18.2	0.13	0.55	32.4	1.00 - 4.30
5B-00120	20275	Na-22	0.0094 U	0.022	0.0067	0.037	1.00 - 4.30
5B-00120	20275	Nb-94	0.0003 U	0.014	0.004	0.0214	1.00 - 4.30
5B-00120	20275	Np-236	0.0007 U	0.025	0.0074	0.047	1.00 - 4.30
5B-00120	20275	Np-239	0.042 K	0.069	0.027	0.139	1.00 - 4.30
5B-00120	20275	Pa-231	-0.16 U	0.54	0.16	0.936	1.00 - 4.30
5B-00120	20275	Pb-212	1.65	0.022	0.067	2.69	1.00 - 4.30
5B-00120	20275	Pb-214	0.817	0.024	0.029	1.7	1.00 - 4.30
5B-00120	20275	Pu-236	-2E-04 U	0.0063	0.0012	7.79	1.00 - 4.30
5B-00120	20275	Pu-238	0.0016 U	0.0063	0.0017	0.0415	1.00 - 4.30
5B-00120	20275	Pu-239/240	0.0009 U	0.0023	0.0009	0.0404	1.00 - 4.30
5B-00120	20275	Pu-244	0.0009 U	0.0023	0.0009	0.0313	1.00 - 4.30
5B-00120	20275	Sb-125	0.128 JSK	0.03	0.0097	0.354	1.00 - 4.30
5B-00120	20275	Sn-126	-1E-04 U	0.015	0.0045	0.0237	1.00 - 4.30
5B-00120	20275	Sr-90	0.0104 U	0.028	0.0084	0.485	1.00 - 4.30
5B-00120	20275	Te-125m	0.0297 JSK	0.0069	0.0022	0.0838	1.00 - 4.30
5B-00120	20275	Th-228	1.37	0.024	0.075	3.98	1.00 - 4.30
5B-00120	20275	Th-229	0.0053	0.012	0.0037	0.145	1.00 - 4.30
5B-00120	20275	Th-230	1.03	0.012	0.059	2.2	1.00 - 4.30
5B-00120	20275	Th-232	1.32	0.015	0.072	3.1	1.00 - 4.30
5B-00120	20275	Th-234	0.635 R	0.14	0.051	3.19	1.00 - 4.30
5B-00120	20275	Tl-208	0.511	0.015	0.018	0.937	1.00 - 4.30
5B-00120	20275	Tm-171	-1 U	4.5	1.4	72.4	1.00 - 4.30
5B-00120	20275	U-233/234	0.738	0.011	0.043	2.02	1.00 - 4.30
5B-00120	20275	U-235/236	0.0366	0.0041	0.0076	0.151	1.00 - 4.30

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00120	20275	U-238	0.721	0.009	0.042	1.8	1.00 - 4.30
5B-00120	20276	Ac-227	0.077	0.14	0.044	0.217	0.00 - 0.50
5B-00120	20276	Ac-228	1.14	0.1	0.043	2.4	0.00 - 0.50
5B-00120	20276	Am-241	-0.004 U	0.011	0.0021	0.0454	0.00 - 0.50
5B-00120	20276	Bi-212	0.877	0.13	0.07	2.15	0.00 - 0.50
5B-00120	20276	Bi-214	0.798	0.029	0.03	1.59	0.00 - 0.50
5B-00120	20276	Cd-113m	-12 U	43	13	3030	0.00 - 0.50
5B-00120	20276	Cm-243/244	0.0009 U	0.0086	0.0022	0.0443	0.00 - 0.50
5B-00120	20276	Cm-245/246	0.0017 U	0.0023	0.0012	0.0401	0.00 - 0.50
5B-00120	20276	Cm-247/248	0.0008 U	0.0023	0.0008	0.0306	0.00 - 0.50
5B-00120	20276	Co-60	0.0006 U	0.022	0.0065	0.028	0.00 - 0.50
5B-00120	20276	Cs-134	0.0009 U J	0.028	0.0085	0.0864	0.00 - 0.50
5B-00120	20276	Cs-137	0.0098	0.019	0.0069	0.207	0.00 - 0.50
5B-00120	20276	Eu-152	-0.013 U	0.041	0.012	0.0566	0.00 - 0.50
5B-00120	20276	Eu-154	0.015 U	0.12	0.014	0.15	0.00 - 0.50
5B-00120	20276	Eu-155	0.073 RSK	0.033	0.013	0.231	0.00 - 0.50
5B-00120	20276	Ho-166m	0.0079 U	0.026	0.0074	0.0432	0.00 - 0.50
5B-00120	20276	K-40	26.5	0.17	0.8	32.4	0.00 - 0.50
5B-00120	20276	Na-22	0.0002 U	0.029	0.0087	0.037	0.00 - 0.50
5B-00120	20276	Nb-94	0.0037 U	0.016	0.0049	0.0214	0.00 - 0.50
5B-00120	20276	Np-236	-0.004 U	0.03	0.0091	0.047	0.00 - 0.50
5B-00120	20276	Np-239	0.014 U	0.092	0.028	0.139	0.00 - 0.50
5B-00120	20276	Pa-231	-0.15 U	0.63	0.19	0.936	0.00 - 0.50
5B-00120	20276	Pb-212	1.44	0.025	0.059	2.69	0.00 - 0.50
5B-00120	20276	Pb-214	0.862	0.029	0.031	1.7	0.00 - 0.50
5B-00120	20276	Pu-236	-9E-04 U	0.0043	0.0007	7.79	0.00 - 0.50
5B-00120	20276	Pu-238	0 U	0.0034	0.0007	0.0415	0.00 - 0.50
5B-00120	20276	Pu-239/240	0 U	0.0013	0.0005	0.0404	0.00 - 0.50
5B-00120	20276	Pu-244	0.0042	0.0013	0.0014	0.0313	0.00 - 0.50
5B-00120	20276	Sb-125	0.15 SK	0.044	0.013	0.354	0.00 - 0.50
5B-00120	20276	Sn-126	0.0145	0.015	0.007	0.0237	0.00 - 0.50
5B-00120	20276	Sr-90	-0.009 U	0.046	0.013	0.485	0.00 - 0.50
5B-00120	20276	Te-125m	0.0347 SK	0.01	0.0031	0.0838	0.00 - 0.50
5B-00120	20276	Th-228	1.11	0.019	0.057	3.98	0.00 - 0.50
5B-00120	20276	Th-229	0.0015 U	0.0081	0.0022	0.145	0.00 - 0.50
5B-00120	20276	Th-230	0.789	0.007	0.043	2.2	0.00 - 0.50
5B-00120	20276	Th-232	1.04	0.007	0.054	3.1	0.00 - 0.50
5B-00120	20276	Th-234	0.546	0.16	0.054	3.19	0.00 - 0.50
5B-00120	20276	Tl-208	0.444	0.019	0.018	0.937	0.00 - 0.50
5B-00120	20276	Tm-171	-1 U	5.7	1.7	72.4	0.00 - 0.50
5B-00120	20276	U-233/234	0.621	0.011	0.037	2.02	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00120	20276	U-235/236	0.0299	0.0096	0.0066	0.151	0.00 - 0.50
5B-00120	20276	U-238	0.675	0.003	0.039	1.8	0.00 - 0.50
5B-00121	20277	Ac-227	0.038 U	0.1	0.034	0.217	1.00 - 5.00
5B-00121	20277	Ac-228	1.27	0.046	0.04	2.4	1.00 - 5.00
5B-00121	20277	Am-241	0.0031	0.0017	0.0014	0.0454	1.00 - 5.00
5B-00121	20277	Bi-212	1.06	0.1	0.068	2.15	1.00 - 5.00
5B-00121	20277	Bi-214	0.737	0.017	0.025	1.59	1.00 - 5.00
5B-00121	20277	Cd-113m	-3.5 U	30	8.9	3030	1.00 - 5.00
5B-00121	20277	Cm-243/244	0.0025	0.0017	0.0012	0.0443	1.00 - 5.00
5B-00121	20277	Cm-245/246	0.0013	0.0011	0.0007	0.0401	1.00 - 5.00
5B-00121	20277	Cm-247/248	0 U	0.0011	0.0005	0.0306	1.00 - 5.00
5B-00121	20277	Co-60	-3E-04 U	0.013	0.0038	0.028	1.00 - 5.00
5B-00121	20277	Cs-134	0.0145 U	0.033	0.0029	0.0864	1.00 - 5.00
5B-00121	20277	Cs-137	-0.008 L U	0.011	0.0032	0.207	1.00 - 5.00
5B-00121	20277	Eu-152	0.0066 U	0.026	0.0058	0.0566	1.00 - 5.00
5B-00121	20277	Eu-154	-0.02 U	0.062	0.019	0.15	1.00 - 5.00
5B-00121	20277	Eu-155	0.082 SK	0.026	0.011	0.231	1.00 - 5.00
5B-00121	20277	Ho-166m	0.0071 U	0.016	0.0056	0.0432	1.00 - 5.00
5B-00121	20277	K-40	18.5	0.1	0.55	32.4	1.00 - 5.00
5B-00121	20277	Na-22	0.0034 U	0.014	0.0043	0.037	1.00 - 5.00
5B-00121	20277	Nb-94	0.0031 U	0.0092	0.0028	0.0214	1.00 - 5.00
5B-00121	20277	Np-236	0.0048 U	0.022	0.0067	0.047	1.00 - 5.00
5B-00121	20277	Np-239	-0.016 U	0.063	0.019	0.139	1.00 - 5.00
5B-00121	20277	Pa-231	-0.12 U	0.41	0.13	0.936	1.00 - 5.00
5B-00121	20277	Pb-212	1.71	0.019	0.069	2.69	1.00 - 5.00
5B-00121	20277	Pb-214	0.834	0.019	0.027	1.7	1.00 - 5.00
5B-00121	20277	Pu-236	-0.001 U	0.0063	0.0011	7.79	1.00 - 5.00
5B-00121	20277	Pu-238	0.0071	0.0041	0.0023	0.0415	1.00 - 5.00
5B-00121	20277	Pu-239/240	-1E-04 U	0.005	0.0009	0.0404	1.00 - 5.00
5B-00121	20277	Pu-244	0.002	0.0018	0.0012	0.0313	1.00 - 5.00
5B-00121	20277	Sb-125	0.147 JSK	0.029	0.0087	0.354	1.00 - 5.00
5B-00121	20277	Sn-126	0.0003 U	0.009	0.0027	0.0237	1.00 - 5.00
5B-00121	20277	Sr-90	-0.011 U	0.034	0.0096	0.485	1.00 - 5.00
5B-00121	20277	Te-125m	0.0339 JSK	0.0067	0.002	0.0838	1.00 - 5.00
5B-00121	20277	Th-228	1.37	0.021	0.069	3.98	1.00 - 5.00
5B-00121	20277	Th-229	0.0091	0.0067	0.0032	0.145	1.00 - 5.00
5B-00121	20277	Th-230	1.05	0.009	0.055	2.2	1.00 - 5.00
5B-00121	20277	Th-232	1.3	0.007	0.066	3.1	1.00 - 5.00
5B-00121	20277	Th-234	1.44 R	0.11	0.072	3.19	1.00 - 5.00
5B-00121	20277	Tl-208	0.509	0.013	0.017	0.937	1.00 - 5.00
5B-00121	20277	Tm-171	-1.6 U	5.1	1.5	72.4	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00121	20277	U-233/234	0.857	0.004	0.041	2.02	1.00 - 5.00
5B-00121	20277	U-235/236	0.0404	0.0042	0.0051	0.151	1.00 - 5.00
5B-00121	20277	U-238	0.799	0.001	0.039	1.8	1.00 - 5.00
5B-00121	20278	Ac-227	0.092	0.097	0.02	0.217	0.00 - 0.50
5B-00121	20278	Ac-228	1.25	0.067	0.044	2.4	0.00 - 0.50
5B-00121	20278	Am-241	-0.002 U	0.0099	0.0017	0.0454	0.00 - 0.50
5B-00121	20278	Bi-212	1.06	0.11	0.072	2.15	0.00 - 0.50
5B-00121	20278	Bi-214	0.945	0.023	0.036	1.59	0.00 - 0.50
5B-00121	20278	Cd-113m	-4 U	35	10	3030	0.00 - 0.50
5B-00121	20278	Cm-243/244	-0.002 U	0.0097	0.0017	0.0443	0.00 - 0.50
5B-00121	20278	Cm-245/246	0.0023 U J	0.0031	0.0016	0.0401	0.00 - 0.50
5B-00121	20278	Cm-247/248	0.0045	0.0031	0.0023	0.0306	0.00 - 0.50
5B-00121	20278	Co-60	-0.001 U	0.016	0.0047	0.028	0.00 - 0.50
5B-00121	20278	Cs-134	0.0087 U J	0.046	0.0035	0.0864	0.00 - 0.50
5B-00121	20278	Cs-137	0.007	0.013	0.004	0.207	0.00 - 0.50
5B-00121	20278	Eu-152	-0.005 U	0.033	0.0098	0.0566	0.00 - 0.50
5B-00121	20278	Eu-154	0.013 U	0.078	0.013	0.15	0.00 - 0.50
5B-00121	20278	Eu-155	0.083 RSK	0.028	0.012	0.231	0.00 - 0.50
5B-00121	20278	Ho-166m	0.0117 SK	0.017	0.0091	0.0432	0.00 - 0.50
5B-00121	20278	K-40	22.6	0.14	0.75	32.4	0.00 - 0.50
5B-00121	20278	Na-22	-0.004 U	0.021	0.0062	0.037	0.00 - 0.50
5B-00121	20278	Nb-94	0.0127 SK	0.01	0.0035	0.0214	0.00 - 0.50
5B-00121	20278	Np-236	-0.006 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00121	20278	Np-239	0.003 U	0.079	0.024	0.139	0.00 - 0.50
5B-00121	20278	Pa-231	0.04 U	0.48	0.036	0.936	0.00 - 0.50
5B-00121	20278	Pb-212	1.64	0.02	0.086	2.69	0.00 - 0.50
5B-00121	20278	Pb-214	1.06	0.024	0.04	1.7	0.00 - 0.50
5B-00121	20278	Pu-236	0.0005 U	0.0013	0.0005	7.79	0.00 - 0.50
5B-00121	20278	Pu-238	-9E-04 U	0.005	0.001	0.0415	0.00 - 0.50
5B-00121	20278	Pu-239/240	0.0033	0.0013	0.0012	0.0404	0.00 - 0.50
5B-00121	20278	Pu-244	0.0037	0.0034	0.0015	0.0313	0.00 - 0.50
5B-00121	20278	Sb-125	0.142 SK	0.035	0.0099	0.354	0.00 - 0.50
5B-00121	20278	Sn-126	-0.001 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00121	20278	Sr-90	0.006 U	0.043	0.013	0.485	0.00 - 0.50
5B-00121	20278	Te-125m	0.0327 SK	0.0082	0.0023	0.0838	0.00 - 0.50
5B-00121	20278	Th-228	1.27	0.017	0.066	3.98	0.00 - 0.50
5B-00121	20278	Th-229	0.0041 U	0.012	0.0037	0.145	0.00 - 0.50
5B-00121	20278	Th-230	0.984	0.009	0.054	2.2	0.00 - 0.50
5B-00121	20278	Th-232	1.23	0.01	0.064	3.1	0.00 - 0.50
5B-00121	20278	Th-234	1.51	0.14	0.086	3.19	0.00 - 0.50
5B-00121	20278	Tl-208	0.48	0.015	0.019	0.937	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00121	20278	Tm-171	-6.5 R U	4.5	1.4	72.4	0.00 - 0.50
5B-00121	20278	U-233/234	0.894	0.021	0.052	2.02	0.00 - 0.50
5B-00121	20278	U-235/236	0.058	0.005	0.01	0.151	0.00 - 0.50
5B-00121	20278	U-238	0.881	0.013	0.051	1.8	0.00 - 0.50
5B-00122	20279	Ac-227	0.03 U	0.15	0.028	0.217	1.00 - 3.00
5B-00122	20279	Ac-228	1.36	0.082	0.047	2.4	1.00 - 3.00
5B-00122	20279	Am-241	0 U	0.0039	0.0016	0.0454	1.00 - 3.00
5B-00122	20279	Bi-212	1.2	0.13	0.08	2.15	1.00 - 3.00
5B-00122	20279	Bi-214	1.08	0.026	0.037	1.59	1.00 - 3.00
5B-00122	20279	Cd-113m	6 U	45	13	3030	1.00 - 3.00
5B-00122	20279	Cm-243/244	-0.004 U	0.015	0.0027	0.0443	1.00 - 3.00
5B-00122	20279	Cm-245/246	0.0036 J	0.0032	0.0021	0.0401	1.00 - 3.00
5B-00122	20279	Cm-247/248	0.0023 U	0.0032	0.0017	0.0306	1.00 - 3.00
5B-00122	20279	Co-60	0.0025 U	0.017	0.0031	0.028	1.00 - 3.00
5B-00122	20279	Cs-134	0.0236 U	0.064	0.0021	0.0864	1.00 - 3.00
5B-00122	20279	Cs-137	0.0021 U	0.014	0.0043	0.207	1.00 - 3.00
5B-00122	20279	Eu-152	0.0119 U	0.032	0.0097	0.0566	1.00 - 3.00
5B-00122	20279	Eu-154	-0.036 U	0.1	0.03	0.15	1.00 - 3.00
5B-00122	20279	Eu-155	0.082 SK	0.045	0.018	0.231	1.00 - 3.00
5B-00122	20279	Ho-166m	0.0085 U	0.025	0.0048	0.0432	1.00 - 3.00
5B-00122	20279	K-40	21.6	0.12	0.65	32.4	1.00 - 3.00
5B-00122	20279	Na-22	0.0036 U	0.02	0.0061	0.037	1.00 - 3.00
5B-00122	20279	Nb-94	0.0032 U	0.014	0.0043	0.0214	1.00 - 3.00
5B-00122	20279	Np-236	-0.019 U	0.039	0.012	0.047	1.00 - 3.00
5B-00122	20279	Np-239	0.022 U	0.097	0.029	0.139	1.00 - 3.00
5B-00122	20279	Pa-231	0.01 U	0.44	0.13	0.936	1.00 - 3.00
5B-00122	20279	Pb-212	1.44	0.035	0.046	2.69	1.00 - 3.00
5B-00122	20279	Pb-214	1.16	0.031	0.05	1.7	1.00 - 3.00
5B-00122	20279	Pu-236	0.0008 U	0.0022	0.0008	7.79	1.00 - 3.00
5B-00122	20279	Pu-238	0.0032	0.0021	0.0016	0.0415	1.00 - 3.00
5B-00122	20279	Pu-239/240	0.0019	0.0047	0.0015	0.0404	1.00 - 3.00
5B-00122	20279	Pu-244	0.0003 U	0.0047	0.001	0.0313	1.00 - 3.00
5B-00122	20279	Sb-125	0.038 JSK	0.038	0.017	0.354	1.00 - 3.00
5B-00122	20279	Sn-126	-0.002 U	0.016	0.0049	0.0237	1.00 - 3.00
5B-00122	20279	Sr-90	-0.001 U	0.028	0.0081	0.485	1.00 - 3.00
5B-00122	20279	Te-125m	0.0087 JSK	0.0087	0.004	0.0838	1.00 - 3.00
5B-00122	20279	Th-228	1.37	0.025	0.072	3.98	1.00 - 3.00
5B-00122	20279	Th-229	0.007	0.017	0.0052	0.145	1.00 - 3.00
5B-00122	20279	Th-230	1.1	0.01	0.06	2.2	1.00 - 3.00
5B-00122	20279	Th-232	1.37	0.004	0.072	3.1	1.00 - 3.00
5B-00122	20279	Th-234	1.41	0.21	0.081	3.19	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00122	20279	Tl-208	0.535	0.02	0.021	0.937	1.00 - 3.00
5B-00122	20279	Tm-171	-5.1 U	11	3.4	72.4	1.00 - 3.00
5B-00122	20279	U-233/234	0.698	0.017	0.042	2.02	1.00 - 3.00
5B-00122	20279	U-235/236	0.0412	0.012	0.0086	0.151	1.00 - 3.00
5B-00122	20279	U-238	0.823	0.003	0.047	1.8	1.00 - 3.00
5B-00122	20280	Ac-227	0.042 U	0.16	0.057	0.217	0.00 - 0.50
5B-00122	20280	Ac-228	1.39	0.11	0.057	2.4	0.00 - 0.50
5B-00122	20280	Am-241	-0.003 U	0.015	0.0035	0.0454	0.00 - 0.50
5B-00122	20280	Bi-212	1.16	0.16	0.094	2.15	0.00 - 0.50
5B-00122	20280	Bi-214	0.821	0.03	0.031	1.59	0.00 - 0.50
5B-00122	20280	Cd-113m	-0.6 U	46	14	3030	0.00 - 0.50
5B-00122	20280	Cm-243/244	0 U	0.0028	0.0012	0.0443	0.00 - 0.50
5B-00122	20280	Cm-245/246	0.0024 U J	0.0033	0.0017	0.0401	0.00 - 0.50
5B-00122	20280	Cm-247/248	0.0036	0.0032	0.0021	0.0306	0.00 - 0.50
5B-00122	20280	Co-60	0.0024 U	0.02	0.0046	0.028	0.00 - 0.50
5B-00122	20280	Cs-134	0.0133 SK	0.021	0.0049	0.0864	0.00 - 0.50
5B-00122	20280	Cs-137	0.0109	0.021	0.0077	0.207	0.00 - 0.50
5B-00122	20280	Eu-152	0.01 U	0.043	0.018	0.0566	0.00 - 0.50
5B-00122	20280	Eu-154	-0.054 U	0.12	0.038	0.15	0.00 - 0.50
5B-00122	20280	Eu-155	0.093 RSK	0.035	0.013	0.231	0.00 - 0.50
5B-00122	20280	Ho-166m	0.0052 U	0.03	0.0023	0.0432	0.00 - 0.50
5B-00122	20280	K-40	24.5	0.17	0.75	32.4	0.00 - 0.50
5B-00122	20280	Na-22	0.0064 U	0.031	0.0093	0.037	0.00 - 0.50
5B-00122	20280	Nb-94	0.0053 U	0.017	0.0039	0.0214	0.00 - 0.50
5B-00122	20280	Np-236	0.0051 U	0.033	0.0098	0.047	0.00 - 0.50
5B-00122	20280	Np-239	-0.027 U	0.1	0.03	0.139	0.00 - 0.50
5B-00122	20280	Pa-231	-0.02 U	0.66	0.2	0.936	0.00 - 0.50
5B-00122	20280	Pb-212	1.65	0.032	0.068	2.69	0.00 - 0.50
5B-00122	20280	Pb-214	0.979	0.028	0.034	1.7	0.00 - 0.50
5B-00122	20280	Pu-236	-6E-04 U	0.0069	0.0016	7.79	0.00 - 0.50
5B-00122	20280	Pu-238	0.0011 U	0.0053	0.0015	0.0415	0.00 - 0.50
5B-00122	20280	Pu-239/240	-0.001 U	0.0053	0.0009	0.0404	0.00 - 0.50
5B-00122	20280	Pu-244	0.004	0.0015	0.0015	0.0313	0.00 - 0.50
5B-00122	20280	Sb-125	0.156 SK	0.045	0.014	0.354	0.00 - 0.50
5B-00122	20280	Sn-126	0.0015 U	0.019	0.0057	0.0237	0.00 - 0.50
5B-00122	20280	Sr-90	0.016 U	0.032	0.0096	0.485	0.00 - 0.50
5B-00122	20280	Te-125m	0.036 SK	0.01	0.0033	0.0838	0.00 - 0.50
5B-00122	20280	Th-228	1.42	0.016	0.073	3.98	0.00 - 0.50
5B-00122	20280	Th-229	0.0022 U	0.008	0.0023	0.145	0.00 - 0.50
5B-00122	20280	Th-230	0.899	0.009	0.051	2.2	0.00 - 0.50
5B-00122	20280	Th-232	1.37	0.003	0.071	3.1	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00122	20280	Th-234	0.65	0.18	0.061	3.19	0.00 - 0.50
5B-00122	20280	Tl-208	0.518	0.022	0.021	0.937	0.00 - 0.50
5B-00122	20280	Tm-171	0.3 U	6	1.8	72.4	0.00 - 0.50
5B-00122	20280	U-233/234	0.944	0.014	0.058	2.02	0.00 - 0.50
5B-00122	20280	U-235/236	0.053	0.021	0.012	0.151	0.00 - 0.50
5B-00122	20280	U-238	0.906	0.005	0.056	1.8	0.00 - 0.50
5B-00123	20281	Ac-227	0.036 U	0.12	0.038	0.217	0.25 - 2.50
5B-00123	20281	Ac-228	1.32	0.064	0.044	2.4	0.25 - 2.50
5B-00123	20281	Am-241	0.0021 U	0.0066	0.002	0.0454	0.25 - 2.50
5B-00123	20281	Bi-212	1.01	0.11	0.069	2.15	0.25 - 2.50
5B-00123	20281	Bi-214	0.79	0.022	0.028	1.59	0.25 - 2.50
5B-00123	20281	Cd-113m	-2.4 U	33	9.9	3030	0.25 - 2.50
5B-00123	20281	Cm-243/244	-7E-04 U	0.0092	0.0022	0.0443	0.25 - 2.50
5B-00123	20281	Cm-245/246	0.002	0.0018	0.0012	0.0401	0.25 - 2.50
5B-00123	20281	Cm-247/248	0.0007 U	0.0048	0.0012	0.0306	0.25 - 2.50
5B-00123	20281	Co-60	-0.004 U	0.014	0.0041	0.028	0.25 - 2.50
5B-00123	20281	Cs-134	0.0135 U	0.039	0.0031	0.0864	0.25 - 2.50
5B-00123	20281	Cs-137	0.0052 U	0.012	0.0037	0.207	0.25 - 2.50
5B-00123	20281	Eu-152	-0.009 U	0.029	0.0089	0.0566	0.25 - 2.50
5B-00123	20281	Eu-154	-0.027 U	0.073	0.022	0.15	0.25 - 2.50
5B-00123	20281	Eu-155	0.077 SK	0.029	0.012	0.231	0.25 - 2.50
5B-00123	20281	Ho-166m	0.0081 U	0.019	0.004	0.0432	0.25 - 2.50
5B-00123	20281	K-40	19.6	0.12	0.58	32.4	0.25 - 2.50
5B-00123	20281	Na-22	-0.006 U	0.017	0.0051	0.037	0.25 - 2.50
5B-00123	20281	Nb-94	0.0036 U	0.011	0.0033	0.0214	0.25 - 2.50
5B-00123	20281	Np-236	-0.005 U	0.025	0.0077	0.047	0.25 - 2.50
5B-00123	20281	Np-239	0.017 U	0.071	0.021	0.139	0.25 - 2.50
5B-00123	20281	Pa-231	-0.02 U	0.4	0.12	0.936	0.25 - 2.50
5B-00123	20281	Pb-212	1.65	0.02	0.067	2.69	0.25 - 2.50
5B-00123	20281	Pb-214	0.904	0.023	0.03	1.7	0.25 - 2.50
5B-00123	20281	Pu-236	0.0007 U	0.0018	0.0007	7.79	0.25 - 2.50
5B-00123	20281	Pu-238	0.0016	0.0039	0.0012	0.0415	0.25 - 2.50
5B-00123	20281	Pu-239/240	0 U	0.0018	0.0006	0.0404	0.25 - 2.50
5B-00123	20281	Pu-244	0.002	0.0018	0.0011	0.0313	0.25 - 2.50
5B-00123	20281	Sb-125	0.154 JSK	0.032	0.0098	0.354	0.25 - 2.50
5B-00123	20281	Sn-126	-3E-04 U	0.012	0.0037	0.0237	0.25 - 2.50
5B-00123	20281	Sr-90	0.0106 U	0.03	0.009	0.485	0.25 - 2.50
5B-00123	20281	Te-125m	0.0356 JSK	0.0074	0.0023	0.0838	0.25 - 2.50
5B-00123	20281	Th-228	1.38	0.022	0.07	3.98	0.25 - 2.50
5B-00123	20281	Th-229	0.0116	0.0083	0.0038	0.145	0.25 - 2.50
5B-00123	20281	Th-230	0.871	0.01	0.048	2.2	0.25 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00123	20281	Th-232	1.27	0.003	0.065	3.1	0.25 - 2.50
5B-00123	20281	Th-234	1.29	0.13	0.073	3.19	0.25 - 2.50
5B-00123	20281	Tl-208	0.495	0.013	0.017	0.937	0.25 - 2.50
5B-00123	20281	Tm-171	-2.7 U	4.9	1.5	72.4	0.25 - 2.50
5B-00123	20281	U-233/234	0.71	0.007	0.038	2.02	0.25 - 2.50
5B-00123	20281	U-235/236	0.0412	0.007	0.0066	0.151	0.25 - 2.50
5B-00123	20281	U-238	0.706	0.002	0.038	1.8	0.25 - 2.50
5B-00123	20282	Ac-227	0.047 U	0.19	0.055	0.217	0.00 - 0.50
5B-00123	20282	Ac-228	1.48	0.13	0.056	2.4	0.00 - 0.50
5B-00123	20282	Am-241	-0.005 U	0.015	0.0036	0.0454	0.00 - 0.50
5B-00123	20282	Bi-212	1.3	0.19	0.12	2.15	0.00 - 0.50
5B-00123	20282	Bi-214	0.973	0.033	0.036	1.59	0.00 - 0.50
5B-00123	20282	Cd-113m	17 U	53	16	3030	0.00 - 0.50
5B-00123	20282	Cm-243/244	0 U	0.0023	0.001	0.0443	0.00 - 0.50
5B-00123	20282	Cm-245/246	0.0014 U J	0.0037	0.0014	0.0401	0.00 - 0.50
5B-00123	20282	Cm-247/248	-0.001 U	0.0098	0.0015	0.0306	0.00 - 0.50
5B-00123	20282	Co-60	0.0035 U	0.025	0.0075	0.028	0.00 - 0.50
5B-00123	20282	Cs-134	0.0136 U J	0.068	0.0054	0.0864	0.00 - 0.50
5B-00123	20282	Cs-137	0.147	0.017	0.0096	0.207	0.00 - 0.50
5B-00123	20282	Eu-152	-0.009 U	0.049	0.015	0.0566	0.00 - 0.50
5B-00123	20282	Eu-154	-0.05 U	0.14	0.042	0.15	0.00 - 0.50
5B-00123	20282	Eu-155	0.1 RSK	0.042	0.017	0.231	0.00 - 0.50
5B-00123	20282	Ho-166m	0.0091 U	0.033	0.006	0.0432	0.00 - 0.50
5B-00123	20282	K-40	25.8	0.18	0.79	32.4	0.00 - 0.50
5B-00123	20282	Na-22	0.0143	0.028	0.0084	0.037	0.00 - 0.50
5B-00123	20282	Nb-94	0.0055 U	0.019	0.0056	0.0214	0.00 - 0.50
5B-00123	20282	Np-236	-0.01 U	0.039	0.012	0.047	0.00 - 0.50
5B-00123	20282	Np-239	0.047 U	0.11	0.033	0.139	0.00 - 0.50
5B-00123	20282	Pa-231	0.43	0.76	0.15	0.936	0.00 - 0.50
5B-00123	20282	Pb-212	1.91	0.03	0.078	2.69	0.00 - 0.50
5B-00123	20282	Pb-214	1.04	0.036	0.036	1.7	0.00 - 0.50
5B-00123	20282	Pu-236	-5E-04 U	0.0047	0.0009	7.79	0.00 - 0.50
5B-00123	20282	Pu-238	-0.002 U	0.0066	0.0014	0.0415	0.00 - 0.50
5B-00123	20282	Pu-239/240	0.0015	0.0014	0.0009	0.0404	0.00 - 0.50
5B-00123	20282	Pu-244	0.0015	0.0014	0.0009	0.0313	0.00 - 0.50
5B-00123	20282	Sb-125	0.138 SK	0.053	0.011	0.354	0.00 - 0.50
5B-00123	20282	Sn-126	-5E-04 U	0.022	0.0065	0.0237	0.00 - 0.50
5B-00123	20282	Sr-90	0.025	0.036	0.011	0.485	0.00 - 0.50
5B-00123	20282	Te-125m	0.032 SK	0.012	0.0026	0.0838	0.00 - 0.50
5B-00123	20282	Th-228	1.29	0.015	0.066	3.98	0.00 - 0.50
5B-00123	20282	Th-229	0.0069	0.0031	0.0028	0.145	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00123	20282	Th-230	0.89	0.012	0.049	2.2	0.00 - 0.50
5B-00123	20282	Th-232	1.2	0.003	0.062	3.1	0.00 - 0.50
5B-00123	20282	Th-234	0.455	0.21	0.066	3.19	0.00 - 0.50
5B-00123	20282	Tl-208	0.59	0.022	0.023	0.937	0.00 - 0.50
5B-00123	20282	Tm-171	0.03 U	8.1	2.4	72.4	0.00 - 0.50
5B-00123	20282	U-233/234	0.642	0.012	0.039	2.02	0.00 - 0.50
5B-00123	20282	U-235/236	0.0491	0.012	0.0094	0.151	0.00 - 0.50
5B-00123	20282	U-238	0.706	0.003	0.042	1.8	0.00 - 0.50
5B-00124	20283	Ac-227	0.028 U	0.12	0.044	0.217	1.00 - 5.00
5B-00124	20283	Ac-228	1.26	0.07	0.042	2.4	1.00 - 5.00
5B-00124	20283	Am-241	0.0008 U	0.0021	0.0008	0.0454	1.00 - 5.00
5B-00124	20283	Bi-212	0.965	0.095	0.058	2.15	1.00 - 5.00
5B-00124	20283	Bi-214	1	0.022	0.034	1.59	1.00 - 5.00
5B-00124	20283	Cd-113m	-3.6 U	33	9.9	3030	1.00 - 5.00
5B-00124	20283	Cm-243/244	0.0008 U	0.002	0.0008	0.0443	1.00 - 5.00
5B-00124	20283	Cm-245/246	0 U J	0.012	0.0027	0.0401	1.00 - 5.00
5B-00124	20283	Cm-247/248	0 U	0.0034	0.0014	0.0306	1.00 - 5.00
5B-00124	20283	Co-60	0.0026 U	0.013	0.0027	0.028	1.00 - 5.00
5B-00124	20283	Cs-134	0.0088 U	0.038	0.0027	0.0864	1.00 - 5.00
5B-00124	20283	Cs-137	-0.008 L U	0.012	0.0038	0.207	1.00 - 5.00
5B-00124	20283	Eu-152	-0.002 U	0.03	0.009	0.0566	1.00 - 5.00
5B-00124	20283	Eu-154	0.0095 U	0.073	0.0056	0.15	1.00 - 5.00
5B-00124	20283	Eu-155	0.075 SK	0.028	0.011	0.231	1.00 - 5.00
5B-00124	20283	Ho-166m	0.0024 U	0.018	0.0022	0.0432	1.00 - 5.00
5B-00124	20283	K-40	20.9	0.12	0.62	32.4	1.00 - 5.00
5B-00124	20283	Na-22	0 U	0.017	0.005	0.037	1.00 - 5.00
5B-00124	20283	Nb-94	0.0014 U	0.01	0.0012	0.0214	1.00 - 5.00
5B-00124	20283	Np-236	-0.004 U	0.024	0.0073	0.047	1.00 - 5.00
5B-00124	20283	Np-239	0 U	0.07	0.016	0.139	1.00 - 5.00
5B-00124	20283	Pa-231	0.202	0.38	0.09	0.936	1.00 - 5.00
5B-00124	20283	Pb-212	1.66	0.019	0.067	2.69	1.00 - 5.00
5B-00124	20283	Pb-214	1.1	0.021	0.035	1.7	1.00 - 5.00
5B-00124	20283	Pu-236	-0.003 U	0.01	0.0018	7.79	1.00 - 5.00
5B-00124	20283	Pu-238	0.0053	0.0084	0.0029	0.0415	1.00 - 5.00
5B-00124	20283	Pu-239/240	0.0011 U	0.0059	0.0015	0.0404	1.00 - 5.00
5B-00124	20283	Pu-244	0.0018	0.0025	0.0013	0.0313	1.00 - 5.00
5B-00124	20283	Sb-125	0.129 JSK	0.029	0.0082	0.354	1.00 - 5.00
5B-00124	20283	Sn-126	-0.002 U	0.012	0.0035	0.0237	1.00 - 5.00
5B-00124	20283	Sr-90	0.0166 U	0.031	0.0095	0.485	1.00 - 5.00
5B-00124	20283	Te-125m	0.0298 JSK	0.0067	0.0019	0.0838	1.00 - 5.00
5B-00124	20283	Th-228	1.24	0.019	0.067	3.98	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00124	20283	Th-229	0.0165	0.0087	0.0048	0.145	1.00 - 5.00
5B-00124	20283	Th-230	1.06	0.014	0.06	2.2	1.00 - 5.00
5B-00124	20283	Th-232	1.25	0.011	0.068	3.1	1.00 - 5.00
5B-00124	20283	Th-234	1.62	0.12	0.079	3.19	1.00 - 5.00
5B-00124	20283	Tl-208	0.493	0.013	0.017	0.937	1.00 - 5.00
5B-00124	20283	Tm-171	-0.07 U	5.3	1.6	72.4	1.00 - 5.00
5B-00124	20283	U-233/234	0.952 J	0.016	0.061	2.02	1.00 - 5.00
5B-00124	20283	U-235/236	0.048 J	0.02	0.012	0.151	1.00 - 5.00
5B-00124	20283	U-238	0.998 J	0.02	0.063	1.8	1.00 - 5.00
5B-00124	20284	Ac-227	0.057 U	0.13	0.053	0.217	0.00 - 0.50
5B-00124	20284	Ac-228	1.18	0.075	0.051	2.4	0.00 - 0.50
5B-00124	20284	Am-241	0.0026 U	0.0095	0.0027	0.0454	0.00 - 0.50
5B-00124	20284	Bi-212	1.23	0.12	0.08	2.15	0.00 - 0.50
5B-00124	20284	Bi-214	0.987	0.026	0.038	1.59	0.00 - 0.50
5B-00124	20284	Cd-113m	5 U	38	11	3030	0.00 - 0.50
5B-00124	20284	Cm-243/244	0 U	0.0034	0.0014	0.0443	0.00 - 0.50
5B-00124	20284	Cm-245/246	0.0008 U J	0.0021	0.0008	0.0401	0.00 - 0.50
5B-00124	20284	Cm-247/248	0 U	0.0021	0.0009	0.0306	0.00 - 0.50
5B-00124	20284	Co-60	-0.007 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00124	20284	Cs-134	0.0214 SK	0.042	0.0047	0.0864	0.00 - 0.50
5B-00124	20284	Cs-137	0.0714	0.0099	0.0052	0.207	0.00 - 0.50
5B-00124	20284	Eu-152	0.023	0.034	0.016	0.0566	0.00 - 0.50
5B-00124	20284	Eu-154	-0.017 U	0.071	0.021	0.15	0.00 - 0.50
5B-00124	20284	Eu-155	0.074 RSK	0.034	0.014	0.231	0.00 - 0.50
5B-00124	20284	Ho-166m	0.0031 U	0.021	0.0021	0.0432	0.00 - 0.50
5B-00124	20284	K-40	23.6	0.16	0.78	32.4	0.00 - 0.50
5B-00124	20284	Na-22	0.0007 U	0.02	0.006	0.037	0.00 - 0.50
5B-00124	20284	Nb-94	0.005 U	0.012	0.0037	0.0214	0.00 - 0.50
5B-00124	20284	Np-236	-0.007 U	0.03	0.009	0.047	0.00 - 0.50
5B-00124	20284	Np-239	-0.012 U	0.086	0.026	0.139	0.00 - 0.50
5B-00124	20284	Pa-231	-0.09 U	0.54	0.16	0.936	0.00 - 0.50
5B-00124	20284	Pb-212	1.72	0.024	0.091	2.69	0.00 - 0.50
5B-00124	20284	Pb-214	1.06	0.024	0.04	1.7	0.00 - 0.50
5B-00124	20284	Pu-236	-5E-04 U	0.0048	0.001	7.79	0.00 - 0.50
5B-00124	20284	Pu-238	0.0016 U	0.0048	0.0014	0.0415	0.00 - 0.50
5B-00124	20284	Pu-239/240	0.0005 U	0.0038	0.0009	0.0404	0.00 - 0.50
5B-00124	20284	Pu-244	0.0016	0.0014	0.0009	0.0313	0.00 - 0.50
5B-00124	20284	Sb-125	0.145 SK	0.034	0.011	0.354	0.00 - 0.50
5B-00124	20284	Sn-126	-0.001 U	0.014	0.004	0.0237	0.00 - 0.50
5B-00124	20284	Sr-90	0.038	0.04	0.013	0.485	0.00 - 0.50
5B-00124	20284	Te-125m	0.0335 SK	0.0079	0.0026	0.0838	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00124	20284	Th-228	1.3	0.015	0.065	3.98	0.00 - 0.50
5B-00124	20284	Th-229	0.0134	0.0028	0.0038	0.145	0.00 - 0.50
5B-00124	20284	Th-230	0.936	0.007	0.05	2.2	0.00 - 0.50
5B-00124	20284	Th-232	1.25	0.009	0.063	3.1	0.00 - 0.50
5B-00124	20284	Th-234	0.499	0.16	0.053	3.19	0.00 - 0.50
5B-00124	20284	Tl-208	0.516	0.016	0.02	0.937	0.00 - 0.50
5B-00124	20284	Tm-171	6.4	5.3	2.1	72.4	0.00 - 0.50
5B-00124	20284	U-233/234	0.977	0.007	0.051	2.02	0.00 - 0.50
5B-00124	20284	U-235/236	0.0414	0.0082	0.0072	0.151	0.00 - 0.50
5B-00124	20284	U-238	0.946	0.002	0.049	1.8	0.00 - 0.50
5B-00125	20285	Ac-227	0.373 J	0.12	0.019	0.217	1.00 - 5.00
5B-00125	20285	Ac-228	1.36	0.062	0.047	2.4	1.00 - 5.00
5B-00125	20285	Am-241	0 U	0.0045	0.0009	0.0454	1.00 - 5.00
5B-00125	20285	Bi-212	1.06	0.093	0.062	2.15	1.00 - 5.00
5B-00125	20285	Bi-214	0.685	0.021	0.027	1.59	1.00 - 5.00
5B-00125	20285	Cd-113m	0.8 U	32	9.6	3030	1.00 - 5.00
5B-00125	20285	Cm-243/244	-6E-04 U	0.0044	0.0007	0.0443	1.00 - 5.00
5B-00125	20285	Cm-245/246	-0.001 U J	0.0097	0.0015	0.0401	1.00 - 5.00
5B-00125	20285	Cm-247/248	0 U	0.0035	0.0014	0.0306	1.00 - 5.00
5B-00125	20285	Co-60	0.0008 U	0.013	0.0016	0.028	1.00 - 5.00
5B-00125	20285	Cs-134	0.0107 U	0.038	0.0028	0.0864	1.00 - 5.00
5B-00125	20285	Cs-137	-0.007 U	0.013	0.004	0.207	1.00 - 5.00
5B-00125	20285	Eu-152	0.0142 U J	0.03	0.008	0.0566	1.00 - 5.00
5B-00125	20285	Eu-154	0.0054 U	0.078	0.0048	0.15	1.00 - 5.00
5B-00125	20285	Eu-155	0.068 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00125	20285	Ho-166m	0.0088 U	0.019	0.0045	0.0432	1.00 - 5.00
5B-00125	20285	K-40	20.1	0.12	0.66	32.4	1.00 - 5.00
5B-00125	20285	Na-22	0.0067 U	0.018	0.0054	0.037	1.00 - 5.00
5B-00125	20285	Nb-94	0.0053 SK	0.01	0.0032	0.0214	1.00 - 5.00
5B-00125	20285	Np-236	-0.007 U	0.026	0.0079	0.047	1.00 - 5.00
5B-00125	20285	Np-239	-0.007 U	0.074	0.022	0.139	1.00 - 5.00
5B-00125	20285	Pa-231	0.13 U	0.48	0.15	0.936	1.00 - 5.00
5B-00125	20285	Pb-212	1.72	0.02	0.091	2.69	1.00 - 5.00
5B-00125	20285	Pb-214	0.78	0.023	0.03	1.7	1.00 - 5.00
5B-00125	20285	Pu-236	0.0002 U	0.005	0.001	7.79	1.00 - 5.00
5B-00125	20285	Pu-238	0.0021 U	0.0071	0.002	0.0415	1.00 - 5.00
5B-00125	20285	Pu-239/240	0.0031	0.0021	0.0015	0.0404	1.00 - 5.00
5B-00125	20285	Pu-244	0.0031	0.0021	0.0015	0.0313	1.00 - 5.00
5B-00125	20285	Sb-125	0.152 JSK	0.024	0.01	0.354	1.00 - 5.00
5B-00125	20285	Sn-126	0.0043 U	0.012	0.0036	0.0237	1.00 - 5.00
5B-00125	20285	Sr-90	0.0018 U	0.028	0.008	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00125	20285	Te-125m	0.0352 JSK	0.0054	0.0023	0.0838	1.00 - 5.00
5B-00125	20285	Th-228	1.59	0.032	0.086	3.98	1.00 - 5.00
5B-00125	20285	Th-229	0.0208	0.01	0.0058	0.145	1.00 - 5.00
5B-00125	20285	Th-230	1.04	0.022	0.062	2.2	1.00 - 5.00
5B-00125	20285	Th-232	1.55	0.005	0.084	3.1	1.00 - 5.00
5B-00125	20285	Th-234	1.47	0.12	0.081	3.19	1.00 - 5.00
5B-00125	20285	Tl-208	0.528	0.014	0.02	0.937	1.00 - 5.00
5B-00125	20285	Tm-171	-3.2 L U	4.8	1.5	72.4	1.00 - 5.00
5B-00125	20285	U-233/234	0.737	0.008	0.039	2.02	1.00 - 5.00
5B-00125	20285	U-235/236	0.0341	0.0024	0.0057	0.151	1.00 - 5.00
5B-00125	20285	U-238	0.763	0.007	0.04	1.8	1.00 - 5.00
5B-00125	20286	Ac-227	0.017 U	0.13	0.038	0.217	0.00 - 0.50
5B-00125	20286	Ac-228	1.31	0.071	0.045	2.4	0.00 - 0.50
5B-00125	20286	Am-241	0.0019 U	0.0088	0.0024	0.0454	0.00 - 0.50
5B-00125	20286	Bi-212	1.02	0.11	0.068	2.15	0.00 - 0.50
5B-00125	20286	Bi-214	1.05	0.024	0.039	1.59	0.00 - 0.50
5B-00125	20286	Cd-113m	-6 U	37	11	3030	0.00 - 0.50
5B-00125	20286	Cm-243/244	-9E-04 U	0.011	0.0026	0.0443	0.00 - 0.50
5B-00125	20286	Cm-245/246	0.0061 J	0.0033	0.0028	0.0401	0.00 - 0.50
5B-00125	20286	Cm-247/248	0 U	0.0033	0.0013	0.0306	0.00 - 0.50
5B-00125	20286	Co-60	-1E-04 U	0.017	0.0051	0.028	0.00 - 0.50
5B-00125	20286	Cs-134	0.0109 U	0.051	0.0034	0.0864	0.00 - 0.50
5B-00125	20286	Cs-137	0.1	0.013	0.0078	0.207	0.00 - 0.50
5B-00125	20286	Eu-152	0.008 U	0.03	0.014	0.0566	0.00 - 0.50
5B-00125	20286	Eu-154	0.011 U	0.089	0.015	0.15	0.00 - 0.50
5B-00125	20286	Eu-155	0.083 SK	0.034	0.015	0.231	0.00 - 0.50
5B-00125	20286	Ho-166m	0.0131 SK	0.021	0.0059	0.0432	0.00 - 0.50
5B-00125	20286	K-40	23.3	0.15	0.77	32.4	0.00 - 0.50
5B-00125	20286	Na-22	0.0035 U	0.02	0.0059	0.037	0.00 - 0.50
5B-00125	20286	Nb-94	0.0003 U	0.0093	0.0028	0.0214	0.00 - 0.50
5B-00125	20286	Np-236	0.0002 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00125	20286	Np-239	0.02 U	0.078	0.024	0.139	0.00 - 0.50
5B-00125	20286	Pa-231	0.003 U	0.55	0.17	0.936	0.00 - 0.50
5B-00125	20286	Pb-212	1.71	0.022	0.09	2.69	0.00 - 0.50
5B-00125	20286	Pb-214	1.18	0.025	0.043	1.7	0.00 - 0.50
5B-00125	20286	Pu-236	-0.005 U	0.014	0.0029	7.79	0.00 - 0.50
5B-00125	20286	Pu-238	-0.001 U	0.0086	0.0016	0.0415	0.00 - 0.50
5B-00125	20286	Pu-239/240	0.0056	0.0025	0.0023	0.0404	0.00 - 0.50
5B-00125	20286	Pu-244	0.0038	0.0025	0.0019	0.0313	0.00 - 0.50
5B-00125	20286	Sb-125	0.157 SK	0.038	0.011	0.354	0.00 - 0.50
5B-00125	20286	Sn-126	0.0018 U	0.013	0.004	0.0237	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00125	20286	Sr-90	0.037	0.039	0.012	0.485	0.00 - 0.50
5B-00125	20286	Te-125m	0.0363 SK	0.0089	0.0025	0.0838	0.00 - 0.50
5B-00125	20286	Th-228	1.28	0.021	0.068	3.98	0.00 - 0.50
5B-00125	20286	Th-229	0.008	0.0036	0.0033	0.145	0.00 - 0.50
5B-00125	20286	Th-230	1.09	0.012	0.059	2.2	0.00 - 0.50
5B-00125	20286	Th-232	1.28	0.014	0.068	3.1	0.00 - 0.50
5B-00125	20286	Th-234	1.52	0.14	0.087	3.19	0.00 - 0.50
5B-00125	20286	Tl-208	0.507	0.017	0.02	0.937	0.00 - 0.50
5B-00125	20286	Tm-171	-3.7 L U	5.3	1.6	72.4	0.00 - 0.50
5B-00125	20286	U-233/234	0.938	0.013	0.053	2.02	0.00 - 0.50
5B-00125	20286	U-235/236	0.057	0.005	0.01	0.151	0.00 - 0.50
5B-00125	20286	U-238	0.956	0.004	0.054	1.8	0.00 - 0.50
5B-00126	20287	Ac-227	0.061 U	0.14	0.042	0.217	1.00 - 3.00
5B-00126	20287	Ac-228	1.27	0.08	0.044	2.4	1.00 - 3.00
5B-00126	20287	Am-241	0.0006 U	0.0017	0.0006	0.0454	1.00 - 3.00
5B-00126	20287	Bi-212	1.08	0.13	0.078	2.15	1.00 - 3.00
5B-00126	20287	Bi-214	0.787	0.025	0.029	1.59	1.00 - 3.00
5B-00126	20287	Cd-113m	1.6 U	32	9.6	3030	1.00 - 3.00
5B-00126	20287	Cm-243/244	-0.002 U	0.0066	0.0012	0.0443	1.00 - 3.00
5B-00126	20287	Cm-245/246	-0.001 U J	0.01	0.0021	0.0401	1.00 - 3.00
5B-00126	20287	Cm-247/248	0 U	0.0029	0.0012	0.0306	1.00 - 3.00
5B-00126	20287	Co-60	-0.003 U	0.019	0.0057	0.028	1.00 - 3.00
5B-00126	20287	Cs-134	-0.006 U	0.048	0.015	0.0864	1.00 - 3.00
5B-00126	20287	Cs-137	0.0228	0.0097	0.004	0.207	1.00 - 3.00
5B-00126	20287	Eu-152	-0.009 U	0.038	0.011	0.0566	1.00 - 3.00
5B-00126	20287	Eu-154	-0.009 U	0.1	0.03	0.15	1.00 - 3.00
5B-00126	20287	Eu-155	0.071 SK	0.031	0.0099	0.231	1.00 - 3.00
5B-00126	20287	Ho-166m	0.0018 U	0.021	0.0051	0.0432	1.00 - 3.00
5B-00126	20287	K-40	20.3	0.12	0.61	32.4	1.00 - 3.00
5B-00126	20287	Na-22	-0.008 U	0.025	0.0074	0.037	1.00 - 3.00
5B-00126	20287	Nb-94	0.0058 U	0.014	0.0041	0.0214	1.00 - 3.00
5B-00126	20287	Np-236	0.0004 U	0.031	0.0093	0.047	1.00 - 3.00
5B-00126	20287	Np-239	0.011 U	0.076	0.023	0.139	1.00 - 3.00
5B-00126	20287	Pa-231	-0.005 U	0.45	0.0051	0.936	1.00 - 3.00
5B-00126	20287	Pb-212	1.68	0.023	0.068	2.69	1.00 - 3.00
5B-00126	20287	Pb-214	0.844	0.023	0.029	1.7	1.00 - 3.00
5B-00126	20287	Pu-236	0.0024 U	0.0076	0.0021	7.79	1.00 - 3.00
5B-00126	20287	Pu-238	0.0038	0.0025	0.0019	0.0415	1.00 - 3.00
5B-00126	20287	Pu-239/240	-0.001 U	0.0076	0.001	0.0404	1.00 - 3.00
5B-00126	20287	Pu-244	-5E-04 U	0.0075	0.0014	0.0313	1.00 - 3.00
5B-00126	20287	Sb-125	0.135 JSK	0.04	0.01	0.354	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00126	20287	Sn-126	0.0011 U	0.016	0.0047	0.0237	1.00 - 3.00
5B-00126	20287	Sr-90	0.0314	0.028	0.0093	0.485	1.00 - 3.00
5B-00126	20287	Te-125m	0.0313 JSK	0.0092	0.0023	0.0838	1.00 - 3.00
5B-00126	20287	Th-228	1.36	0.019	0.071	3.98	1.00 - 3.00
5B-00126	20287	Th-229	0.0072	0.011	0.0038	0.145	1.00 - 3.00
5B-00126	20287	Th-230	0.903	0.014	0.051	2.2	1.00 - 3.00
5B-00126	20287	Th-232	1.39	0.003	0.072	3.1	1.00 - 3.00
5B-00126	20287	Th-234	0.318	0.15	0.048	3.19	1.00 - 3.00
5B-00126	20287	Tl-208	0.503	0.018	0.019	0.937	1.00 - 3.00
5B-00126	20287	Tm-171	-0.3 U	6.2	1.9	72.4	1.00 - 3.00
5B-00126	20287	U-233/234	0.728	0.011	0.041	2.02	1.00 - 3.00
5B-00126	20287	U-235/236	0.0372	0.0036	0.0072	0.151	1.00 - 3.00
5B-00126	20287	U-238	0.767	0.01	0.043	1.8	1.00 - 3.00
5B-00126	20288	Ac-227	0.031 U	0.15	0.039	0.217	0.00 - 0.50
5B-00126	20288	Ac-228	1.29	0.087	0.045	2.4	0.00 - 0.50
5B-00126	20288	Am-241	0.0028 U	0.013	0.0035	0.0454	0.00 - 0.50
5B-00126	20288	Bi-212	1.07	0.13	0.076	2.15	0.00 - 0.50
5B-00126	20288	Bi-214	0.96	0.027	0.034	1.59	0.00 - 0.50
5B-00126	20288	Cd-113m	-0.5 U	44	13	3030	0.00 - 0.50
5B-00126	20288	Cm-243/244	0 U	0.0099	0.002	0.0443	0.00 - 0.50
5B-00126	20288	Cm-245/246	0.0047 J	0.0025	0.0021	0.0401	0.00 - 0.50
5B-00126	20288	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	0.00 - 0.50
5B-00126	20288	Co-60	0.0052 U	0.02	0.0053	0.028	0.00 - 0.50
5B-00126	20288	Cs-134	0.0146 U	0.055	0.0046	0.0864	0.00 - 0.50
5B-00126	20288	Cs-137	0.0973	0.013	0.0074	0.207	0.00 - 0.50
5B-00126	20288	Eu-152	-0.013 U	0.043	0.013	0.0566	0.00 - 0.50
5B-00126	20288	Eu-154	-0.052 U	0.12	0.035	0.15	0.00 - 0.50
5B-00126	20288	Eu-155	0.084 SK	0.036	0.015	0.231	0.00 - 0.50
5B-00126	20288	Ho-166m	0.0048 U	0.027	0.0077	0.0432	0.00 - 0.50
5B-00126	20288	K-40	22.2	0.14	0.67	32.4	0.00 - 0.50
5B-00126	20288	Na-22	-0.004 U	0.028	0.0083	0.037	0.00 - 0.50
5B-00126	20288	Nb-94	0.0055 U	0.015	0.0045	0.0214	0.00 - 0.50
5B-00126	20288	Np-236	-0.001 U	0.033	0.0099	0.047	0.00 - 0.50
5B-00126	20288	Np-239	0.002 U	0.078	0.024	0.139	0.00 - 0.50
5B-00126	20288	Pa-231	0.09 U	0.63	0.19	0.936	0.00 - 0.50
5B-00126	20288	Pb-212	1.6	0.034	0.066	2.69	0.00 - 0.50
5B-00126	20288	Pb-214	1.07	0.03	0.036	1.7	0.00 - 0.50
5B-00126	20288	Pu-236	0.001 U	0.0014	0.0007	7.79	0.00 - 0.50
5B-00126	20288	Pu-238	-5E-04 U	0.0048	0.001	0.0415	0.00 - 0.50
5B-00126	20288	Pu-239/240	0.0031	0.0014	0.0013	0.0404	0.00 - 0.50
5B-00126	20288	Pu-244	0.0026	0.0038	0.0014	0.0313	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00126	20288	Sb-125	0.121 SK	0.043	0.0097	0.354	0.00 - 0.50
5B-00126	20288	Sn-126	-0.004 U	0.018	0.0053	0.0237	0.00 - 0.50
5B-00126	20288	Sr-90	0.038	0.049	0.015	0.485	0.00 - 0.50
5B-00126	20288	Te-125m	0.028 SK	0.0099	0.0022	0.0838	0.00 - 0.50
5B-00126	20288	Th-228	1.31	0.022	0.067	3.98	0.00 - 0.50
5B-00126	20288	Th-229	0.016	0.01	0.0046	0.145	0.00 - 0.50
5B-00126	20288	Th-230	0.935	0.01	0.051	2.2	0.00 - 0.50
5B-00126	20288	Th-232	1.18	0.008	0.062	3.1	0.00 - 0.50
5B-00126	20288	Th-234	1.76	0.16	0.095	3.19	0.00 - 0.50
5B-00126	20288	Tl-208	0.529	0.019	0.02	0.937	0.00 - 0.50
5B-00126	20288	Tm-171	-2.9 U	6.6	2	72.4	0.00 - 0.50
5B-00126	20288	U-233/234	0.742	0.007	0.041	2.02	0.00 - 0.50
5B-00126	20288	U-235/236	0.0437	0.011	0.0077	0.151	0.00 - 0.50
5B-00126	20288	U-238	0.735	0.002	0.04	1.8	0.00 - 0.50
5B-00128	20291	Ac-227	0.044 U	0.13	0.057	0.217	1.00 - 5.00
5B-00128	20291	Ac-228	1.34	0.091	0.046	2.4	1.00 - 5.00
5B-00128	20291	Am-241	0.0007 U	0.0081	0.0021	0.0454	1.00 - 5.00
5B-00128	20291	Bi-212	1.08	0.14	0.082	2.15	1.00 - 5.00
5B-00128	20291	Bi-214	1.03	0.028	0.036	1.59	1.00 - 5.00
5B-00128	20291	Cd-113m	-11 U	42	13	3030	1.00 - 5.00
5B-00128	20291	Cm-243/244	0.0007 U	0.0018	0.0007	0.0443	1.00 - 5.00
5B-00128	20291	Cm-245/246	0 U J	0.01	0.0021	0.0401	1.00 - 5.00
5B-00128	20291	Cm-247/248	-0.003 U	0.013	0.0022	0.0306	1.00 - 5.00
5B-00128	20291	Co-60	0.0019 U	0.02	0.0059	0.028	1.00 - 5.00
5B-00128	20291	Cs-134	-0.029 R U	0.018	0.0058	0.0864	1.00 - 5.00
5B-00128	20291	Cs-137	0.0064 U	0.018	0.007	0.207	1.00 - 5.00
5B-00128	20291	Eu-152	0.022 J	0.039	0.013	0.0566	1.00 - 5.00
5B-00128	20291	Eu-154	-0.037 U	0.11	0.033	0.15	1.00 - 5.00
5B-00128	20291	Eu-155	0.078 SK	0.034	0.013	0.231	1.00 - 5.00
5B-00128	20291	Ho-166m	0.011 U	0.025	0.0045	0.0432	1.00 - 5.00
5B-00128	20291	K-40	19	0.14	0.58	32.4	1.00 - 5.00
5B-00128	20291	Na-22	0.0033 U	0.024	0.0071	0.037	1.00 - 5.00
5B-00128	20291	Nb-94	0.0041 U	0.015	0.0045	0.0214	1.00 - 5.00
5B-00128	20291	Np-236	-0.005 U	0.028	0.0085	0.047	1.00 - 5.00
5B-00128	20291	Np-239	-1E-04 U	0.078	0.023	0.139	1.00 - 5.00
5B-00128	20291	Pa-231	-0.11 U	0.6	0.18	0.936	1.00 - 5.00
5B-00128	20291	Pb-212	1.71	0.026	0.07	2.69	1.00 - 5.00
5B-00128	20291	Pb-214	1.12	0.029	0.037	1.7	1.00 - 5.00
5B-00128	20291	Pu-236	-0.003 U	0.012	0.0023	7.79	1.00 - 5.00
5B-00128	20291	Pu-238	-2E-04 U	0.0088	0.0018	0.0415	1.00 - 5.00
5B-00128	20291	Pu-239/240	0.0024 U	0.0077	0.0022	0.0404	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00128	20291	Pu-244	0.0021	0.0062	0.0018	0.0313	1.00 - 5.00
5B-00128	20291	Sb-125	0.149 JSK	0.046	0.011	0.354	1.00 - 5.00
5B-00128	20291	Sn-126	0.0017 U	0.017	0.005	0.0237	1.00 - 5.00
5B-00128	20291	Sr-90	-5E-04 U	0.031	0.0089	0.485	1.00 - 5.00
5B-00128	20291	Te-125m	0.0344 JSK	0.011	0.0025	0.0838	1.00 - 5.00
5B-00128	20291	Th-228	1.47	0.023	0.076	3.98	1.00 - 5.00
5B-00128	20291	Th-229	0.0083	0.013	0.0045	0.145	1.00 - 5.00
5B-00128	20291	Th-230	1.05	0.009	0.057	2.2	1.00 - 5.00
5B-00128	20291	Th-232	1.42	0.009	0.073	3.1	1.00 - 5.00
5B-00128	20291	Th-234	0.44	0.17	0.053	3.19	1.00 - 5.00
5B-00128	20291	Tl-208	0.539	0.019	0.02	0.937	1.00 - 5.00
5B-00128	20291	Tm-171	1.3 U	6.1	1.8	72.4	1.00 - 5.00
5B-00128	20291	U-233/234	0.974	0.011	0.053	2.02	1.00 - 5.00
5B-00128	20291	U-235/236	0.0507	0.013	0.0092	0.151	1.00 - 5.00
5B-00128	20291	U-238	0.967	0.01	0.052	1.8	1.00 - 5.00
5B-00128	20292	Ac-227	0.087	0.099	0.02	0.217	0.00 - 0.50
5B-00128	20292	Ac-228	1.27	0.068	0.045	2.4	0.00 - 0.50
5B-00128	20292	Am-241	0.0042	0.0098	0.0031	0.0454	0.00 - 0.50
5B-00128	20292	Bi-212	1.07	0.12	0.077	2.15	0.00 - 0.50
5B-00128	20292	Bi-214	1.05	0.021	0.038	1.59	0.00 - 0.50
5B-00128	20292	Cd-113m	10 U	37	11	3030	0.00 - 0.50
5B-00128	20292	Cm-243/244	-0.001 U	0.0076	0.0012	0.0443	0.00 - 0.50
5B-00128	20292	Cm-245/246	0.0014 U J	0.0038	0.0014	0.0401	0.00 - 0.50
5B-00128	20292	Cm-247/248	0 U	0.0037	0.0015	0.0306	0.00 - 0.50
5B-00128	20292	Co-60	-0.004 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00128	20292	Cs-134	0.0175 U	0.042	0.0048	0.0864	0.00 - 0.50
5B-00128	20292	Cs-137	0.102	0.012	0.0075	0.207	0.00 - 0.50
5B-00128	20292	Eu-152	-8E-04 U	0.031	0.0093	0.0566	0.00 - 0.50
5B-00128	20292	Eu-154	0.005 U	0.07	0.02	0.15	0.00 - 0.50
5B-00128	20292	Eu-155	0.079 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00128	20292	Ho-166m	0.008 U	0.021	0.0059	0.0432	0.00 - 0.50
5B-00128	20292	K-40	23.4	0.15	0.78	32.4	0.00 - 0.50
5B-00128	20292	Na-22	-0.006 U	0.021	0.0064	0.037	0.00 - 0.50
5B-00128	20292	Nb-94	0.0034 U	0.012	0.0036	0.0214	0.00 - 0.50
5B-00128	20292	Np-236	-0.001 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00128	20292	Np-239	0.067	0.069	0.029	0.139	0.00 - 0.50
5B-00128	20292	Pa-231	0.002 U	0.42	0.12	0.936	0.00 - 0.50
5B-00128	20292	Pb-212	1.66	0.023	0.087	2.69	0.00 - 0.50
5B-00128	20292	Pb-214	1.17	0.025	0.044	1.7	0.00 - 0.50
5B-00128	20292	Pu-236	0.0003 U	0.0047	0.0009	7.79	0.00 - 0.50
5B-00128	20292	Pu-238	-6E-04 U	0.0065	0.0012	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00128	20292	Pu-239/240	0.0089	0.0046	0.0028	0.0404	0.00 - 0.50
5B-00128	20292	Pu-244	0.0027	0.0046	0.0016	0.0313	0.00 - 0.50
5B-00128	20292	Sb-125	0.146 SK	0.037	0.011	0.354	0.00 - 0.50
5B-00128	20292	Sn-126	0.0021 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00128	20292	Sr-90	0.02 U	0.04	0.012	0.485	0.00 - 0.50
5B-00128	20292	Te-125m	0.0337 SK	0.0085	0.0026	0.0838	0.00 - 0.50
5B-00128	20292	Th-228	1.41	0.021	0.073	3.98	0.00 - 0.50
5B-00128	20292	Th-229	0.0035 U	0.016	0.0043	0.145	0.00 - 0.50
5B-00128	20292	Th-230	1.12	0.005	0.06	2.2	0.00 - 0.50
5B-00128	20292	Th-232	1.31	0.014	0.069	3.1	0.00 - 0.50
5B-00128	20292	Th-234	1.74	0.14	0.094	3.19	0.00 - 0.50
5B-00128	20292	Tl-208	0.491	0.015	0.019	0.937	0.00 - 0.50
5B-00128	20292	Tm-171	0.9 U	4.7	1.4	72.4	0.00 - 0.50
5B-00128	20292	U-233/234	0.981 J	0.005	0.06	2.02	0.00 - 0.50
5B-00128	20292	U-235/236	0.06 J	0.006	0.012	0.151	0.00 - 0.50
5B-00128	20292	U-238	0.989 J	0.005	0.06	1.8	0.00 - 0.50
5B-00129	20293	Ac-227	0.038 U	0.12	0.039	0.217	1.00 - 3.00
5B-00129	20293	Ac-228	1.25	0.056	0.041	2.4	1.00 - 3.00
5B-00129	20293	Am-241	0.0007 U	0.0019	0.0007	0.0454	1.00 - 3.00
5B-00129	20293	Bi-212	1.01	0.095	0.06	2.15	1.00 - 3.00
5B-00129	20293	Bi-214	0.887	0.02	0.03	1.59	1.00 - 3.00
5B-00129	20293	Cd-113m	3.3 U	33	9.95	3030	1.00 - 3.00
5B-00129	20293	Cm-243/244	0 U	0.0019	0.0008	0.0443	1.00 - 3.00
5B-00129	20293	Cm-245/246	0.0012 U J	0.0033	0.0012	0.0401	1.00 - 3.00
5B-00129	20293	Cm-247/248	-0.001 U	0.0089	0.0014	0.0306	1.00 - 3.00
5B-00129	20293	Co-60	-0.002 U	0.013	0.004	0.028	1.00 - 3.00
5B-00129	20293	Cs-134	0.014 U	0.037	0.0036	0.0864	1.00 - 3.00
5B-00129	20293	Cs-137	0.005 U	0.012	0.0038	0.207	1.00 - 3.00
5B-00129	20293	Eu-152	0.0157	0.031	0.0087	0.0566	1.00 - 3.00
5B-00129	20293	Eu-154	0.016 U	0.073	0.022	0.15	1.00 - 3.00
5B-00129	20293	Eu-155	0.07 SK	0.029	0.012	0.231	1.00 - 3.00
5B-00129	20293	Ho-166m	0.0053 U	0.017	0.0052	0.0432	1.00 - 3.00
5B-00129	20293	K-40	22.2	0.11	0.65	32.4	1.00 - 3.00
5B-00129	20293	Na-22	0.0102	0.018	0.0053	0.037	1.00 - 3.00
5B-00129	20293	Nb-94	0.0039 U	0.01	0.0023	0.0214	1.00 - 3.00
5B-00129	20293	Np-236	0.0044 U	0.026	0.0078	0.047	1.00 - 3.00
5B-00129	20293	Np-239	-7E-04 U	0.058	0.017	0.139	1.00 - 3.00
5B-00129	20293	Pa-231	-0.005 U	0.47	0.0038	0.936	1.00 - 3.00
5B-00129	20293	Pb-212	1.62	0.02	0.065	2.69	1.00 - 3.00
5B-00129	20293	Pb-214	1.04	0.022	0.034	1.7	1.00 - 3.00
5B-00129	20293	Pu-236	0.0018	0.0052	0.0015	7.79	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00129	20293	Pu-238	0.0026	0.0052	0.0017	0.0415	1.00 - 3.00
5B-00129	20293	Pu-239/240	0.0024	0.0022	0.0014	0.0404	1.00 - 3.00
5B-00129	20293	Pu-244	0.0016	0.0022	0.0011	0.0313	1.00 - 3.00
5B-00129	20293	Sb-125	0.031 JSK	0.026	0.011	0.354	1.00 - 3.00
5B-00129	20293	Sn-126	0.0007 U	0.012	0.0036	0.0237	1.00 - 3.00
5B-00129	20293	Sr-90	0.004 U	0.029	0.0085	0.485	1.00 - 3.00
5B-00129	20293	Te-125m	0.0071 JSK	0.006	0.0024	0.0838	1.00 - 3.00
5B-00129	20293	Th-228	1.26	0.027	0.068	3.98	1.00 - 3.00
5B-00129	20293	Th-229	0.0078	0.012	0.0042	0.145	1.00 - 3.00
5B-00129	20293	Th-230	0.996	0.013	0.056	2.2	1.00 - 3.00
5B-00129	20293	Th-232	1.29	0.01	0.068	3.1	1.00 - 3.00
5B-00129	20293	Th-234	1.41	0.13	0.075	3.19	1.00 - 3.00
5B-00129	20293	Tl-208	0.488	0.013	0.017	0.937	1.00 - 3.00
5B-00129	20293	Tm-171	-3.1 L U	4.5	1.4	72.4	1.00 - 3.00
5B-00129	20293	U-233/234	0.858	0.01	0.049	2.02	1.00 - 3.00
5B-00129	20293	U-235/236	0.0448	0.015	0.0094	0.151	1.00 - 3.00
5B-00129	20293	U-238	0.856	0.012	0.049	1.8	1.00 - 3.00
5B-00129	20294	Ac-227	0.069	0.13	0.04	0.217	0.00 - 0.50
5B-00129	20294	Ac-228	1.35	0.075	0.046	2.4	0.00 - 0.50
5B-00129	20294	Am-241	0.0071	0.0065	0.0029	0.0454	0.00 - 0.50
5B-00129	20294	Bi-212	1.03	0.12	0.072	2.15	0.00 - 0.50
5B-00129	20294	Bi-214	1.1	0.024	0.041	1.59	0.00 - 0.50
5B-00129	20294	Cd-113m	15 U	38	11	3030	0.00 - 0.50
5B-00129	20294	Cm-243/244	-0.002 U	0.011	0.0026	0.0443	0.00 - 0.50
5B-00129	20294	Cm-245/246	0.0031 J	0.0028	0.0018	0.0401	0.00 - 0.50
5B-00129	20294	Cm-247/248	0.004	0.0027	0.002	0.0306	0.00 - 0.50
5B-00129	20294	Co-60	-4E-04 U	0.017	0.0007	0.028	0.00 - 0.50
5B-00129	20294	Cs-134	0.0057 U	0.054	0.0018	0.0864	0.00 - 0.50
5B-00129	20294	Cs-137	0.0932	0.012	0.0069	0.207	0.00 - 0.50
5B-00129	20294	Eu-152	-0.012 U	0.035	0.011	0.0566	0.00 - 0.50
5B-00129	20294	Eu-154	0.0021 U	0.08	0.0064	0.15	0.00 - 0.50
5B-00129	20294	Eu-155	0.095 SK	0.035	0.015	0.231	0.00 - 0.50
5B-00129	20294	Ho-166m	0.007 U	0.02	0.0056	0.0432	0.00 - 0.50
5B-00129	20294	K-40	23.1	0.16	0.77	32.4	0.00 - 0.50
5B-00129	20294	Na-22	-0.004 U	0.022	0.0065	0.037	0.00 - 0.50
5B-00129	20294	Nb-94	0.0085	0.012	0.0037	0.0214	0.00 - 0.50
5B-00129	20294	Np-236	0.0057 U	0.029	0.0088	0.047	0.00 - 0.50
5B-00129	20294	Np-239	0.008 U	0.063	0.019	0.139	0.00 - 0.50
5B-00129	20294	Pa-231	0.05 U	0.53	0.16	0.936	0.00 - 0.50
5B-00129	20294	Pb-212	1.63	0.031	0.087	2.69	0.00 - 0.50
5B-00129	20294	Pb-214	1.26	0.026	0.046	1.7	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00129	20294	Pu-236	-0.004 U	0.012	0.0025	7.79	0.00 - 0.50
5B-00129	20294	Pu-238	-0.001 U	0.0061	0.0008	0.0415	0.00 - 0.50
5B-00129	20294	Pu-239/240	0.0067	0.0023	0.0024	0.0404	0.00 - 0.50
5B-00129	20294	Pu-244	0.0033	0.0023	0.0017	0.0313	0.00 - 0.50
5B-00129	20294	Sb-125	0.156 SK	0.038	0.012	0.354	0.00 - 0.50
5B-00129	20294	Sn-126	0.0012 U	0.014	0.0042	0.0237	0.00 - 0.50
5B-00129	20294	Sr-90	0.0104 U	0.031	0.0092	0.485	0.00 - 0.50
5B-00129	20294	Te-125m	0.0361 SK	0.0087	0.0027	0.0838	0.00 - 0.50
5B-00129	20294	Th-228	1.18	0.012	0.059	3.98	0.00 - 0.50
5B-00129	20294	Th-229	0.0056	0.014	0.0042	0.145	0.00 - 0.50
5B-00129	20294	Th-230	0.986	0.002	0.051	2.2	0.00 - 0.50
5B-00129	20294	Th-232	1.14	0.007	0.058	3.1	0.00 - 0.50
5B-00129	20294	Th-234	1.63	0.14	0.091	3.19	0.00 - 0.50
5B-00129	20294	Tl-208	0.53	0.018	0.021	0.937	0.00 - 0.50
5B-00129	20294	Tm-171	-5.9 R U	5.7	1.8	72.4	0.00 - 0.50
5B-00129	20294	U-233/234	0.926	0.008	0.05	2.02	0.00 - 0.50
5B-00129	20294	U-235/236	0.033	0.01	0.0072	0.151	0.00 - 0.50
5B-00129	20294	U-238	0.957	0.003	0.052	1.8	0.00 - 0.50
5B-00131	20297	Ac-227	-0.058 U	0.12	0.036	0.217	0.00 - 0.50
5B-00131	20297	Ac-228	1.19	0.06	0.042	2.4	0.00 - 0.50
5B-00131	20297	Am-241	0.0021 U	0.0078	0.0022	0.0454	0.00 - 0.50
5B-00131	20297	Bi-212	0.998	0.1	0.067	2.15	0.00 - 0.50
5B-00131	20297	Bi-214	0.862	0.025	0.034	1.59	0.00 - 0.50
5B-00131	20297	Cd-113m	-8 U	35	11	3030	0.00 - 0.50
5B-00131	20297	Cm-243/244	0 U	0.0076	0.0016	0.0443	0.00 - 0.50
5B-00131	20297	Cm-245/246	0.0022 J	0.002	0.0013	0.0401	0.00 - 0.50
5B-00131	20297	Cm-247/248	0.0007 U	0.002	0.0007	0.0306	0.00 - 0.50
5B-00131	20297	Co-60	0.0003 U	0.012	0.0036	0.028	0.00 - 0.50
5B-00131	20297	Cs-134	-0.023 U J	0.017	0.0053	0.0864	0.00 - 0.50
5B-00131	20297	Cs-137	0.0232	0.01	0.0048	0.207	0.00 - 0.50
5B-00131	20297	Eu-152	-0.005 U	0.031	0.0094	0.0566	0.00 - 0.50
5B-00131	20297	Eu-154	-0.045 U	0.076	0.023	0.15	0.00 - 0.50
5B-00131	20297	Eu-155	0.076 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00131	20297	Ho-166m	0.0079 U	0.02	0.003	0.0432	0.00 - 0.50
5B-00131	20297	K-40	20.3	0.13	0.68	32.4	0.00 - 0.50
5B-00131	20297	Na-22	-0.002 U	0.017	0.0052	0.037	0.00 - 0.50
5B-00131	20297	Nb-94	-3E-04 U	0.011	0.0006	0.0214	0.00 - 0.50
5B-00131	20297	Np-236	0.0001 U	0.027	0.0082	0.047	0.00 - 0.50
5B-00131	20297	Np-239	-0.018 U	0.076	0.023	0.139	0.00 - 0.50
5B-00131	20297	Pa-231	-0.08 U	0.48	0.14	0.936	0.00 - 0.50
5B-00131	20297	Pb-212	1.53	0.021	0.081	2.69	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00131	20297	Pb-214	1	0.023	0.038	1.7	0.00 - 0.50
5B-00131	20297	Pu-236	0.0003 U	0.0044	0.0009	7.79	0.00 - 0.50
5B-00131	20297	Pu-238	0.0008 U	0.002	0.0008	0.0415	0.00 - 0.50
5B-00131	20297	Pu-239/240	0.0022	0.002	0.0013	0.0404	0.00 - 0.50
5B-00131	20297	Pu-244	0.0003 U	0.0044	0.0009	0.0313	0.00 - 0.50
5B-00131	20297	Sb-125	0.132 SK	0.03	0.0097	0.354	0.00 - 0.50
5B-00131	20297	Sn-126	0.0012 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00131	20297	Sr-90	-0.024 U	0.047	0.013	0.485	0.00 - 0.50
5B-00131	20297	Te-125m	0.0305 SK	0.0069	0.0022	0.0838	0.00 - 0.50
5B-00131	20297	Th-228	1.16	0.015	0.061	3.98	0.00 - 0.50
5B-00131	20297	Th-229	0.011	0.0027	0.0033	0.145	0.00 - 0.50
5B-00131	20297	Th-230	0.809	0.003	0.046	2.2	0.00 - 0.50
5B-00131	20297	Th-232	1.09	0.008	0.058	3.1	0.00 - 0.50
5B-00131	20297	Th-234	0.722 R	0.13	0.051	3.19	0.00 - 0.50
5B-00131	20297	Tl-208	0.458	0.016	0.019	0.937	0.00 - 0.50
5B-00131	20297	Tm-171	0.8 U	4.2	1.3	72.4	0.00 - 0.50
5B-00131	20297	U-233/234	0.676	0.004	0.042	2.02	0.00 - 0.50
5B-00131	20297	U-235/236	0.0439	0.0047	0.009	0.151	0.00 - 0.50
5B-00131	20297	U-238	0.809	0.004	0.048	1.8	0.00 - 0.50
5B-00132	20298	Ac-227	0.015 U	0.13	0.039	0.217	0.00 - 0.50
5B-00132	20298	Ac-228	0.97	0.078	0.035	2.4	0.00 - 0.50
5B-00132	20298	Am-241	0.0017 U	0.0079	0.0022	0.0454	0.00 - 0.50
5B-00132	20298	Bi-212	0.776	0.11	0.061	2.15	0.00 - 0.50
5B-00132	20298	Bi-214	0.74	0.022	0.027	1.59	0.00 - 0.50
5B-00132	20298	Cd-113m	6 U	33	9.9	3030	0.00 - 0.50
5B-00132	20298	Cm-243/244	0.0017 U	0.0023	0.0012	0.0443	0.00 - 0.50
5B-00132	20298	Cm-245/246	0 U J	0.0023	0.0009	0.0401	0.00 - 0.50
5B-00132	20298	Cm-247/248	0 U	0.006	0.0012	0.0306	0.00 - 0.50
5B-00132	20298	Co-60	0.0039 U	0.017	0.005	0.028	0.00 - 0.50
5B-00132	20298	Cs-134	0.0116 U	0.046	0.0047	0.0864	0.00 - 0.50
5B-00132	20298	Cs-137	0.0268	0.011	0.0052	0.207	0.00 - 0.50
5B-00132	20298	Eu-152	-0.009 U	0.034	0.01	0.0566	0.00 - 0.50
5B-00132	20298	Eu-154	0.0008 U	0.093	0.0007	0.15	0.00 - 0.50
5B-00132	20298	Eu-155	0.056 SK	0.029	0.011	0.231	0.00 - 0.50
5B-00132	20298	Ho-166m	0.0053 U	0.022	0.0067	0.0432	0.00 - 0.50
5B-00132	20298	K-40	20.1	0.13	0.61	32.4	0.00 - 0.50
5B-00132	20298	Na-22	-0.005 U	0.021	0.0064	0.037	0.00 - 0.50
5B-00132	20298	Nb-94	0.0036 U	0.013	0.0039	0.0214	0.00 - 0.50
5B-00132	20298	Np-236	-0.003 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00132	20298	Np-239	-0.002 U	0.075	0.022	0.139	0.00 - 0.50
5B-00132	20298	Pa-231	0.02 U	0.52	0.16	0.936	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00132	20298	Pb-212	1.24	0.021	0.051	2.69	0.00 - 0.50
5B-00132	20298	Pb-214	0.809	0.024	0.028	1.7	0.00 - 0.50
5B-00132	20298	Pu-236	0 U	0.002	0.0007	7.79	0.00 - 0.50
5B-00132	20298	Pu-238	0 U	0.002	0.0007	0.0415	0.00 - 0.50
5B-00132	20298	Pu-239/240	0.0015	0.002	0.0011	0.0404	0.00 - 0.50
5B-00132	20298	Pu-244	0.0037	0.002	0.0017	0.0313	0.00 - 0.50
5B-00132	20298	Sb-125	0.103 SK	0.038	0.0084	0.354	0.00 - 0.50
5B-00132	20298	Sn-126	0.0021 U	0.014	0.0042	0.0237	0.00 - 0.50
5B-00132	20298	Sr-90	-0.01 U	0.042	0.012	0.485	0.00 - 0.50
5B-00132	20298	Te-125m	0.0238 SK	0.0087	0.0019	0.0838	0.00 - 0.50
5B-00132	20298	Th-228	0.921	0.018	0.05	3.98	0.00 - 0.50
5B-00132	20298	Th-229	0.0058	0.011	0.0036	0.145	0.00 - 0.50
5B-00132	20298	Th-230	0.721	0.01	0.041	2.2	0.00 - 0.50
5B-00132	20298	Th-232	0.91	0.008	0.05	3.1	0.00 - 0.50
5B-00132	20298	Th-234	1.11 R	0.13	0.067	3.19	0.00 - 0.50
5B-00132	20298	Tl-208	0.395	0.016	0.016	0.937	0.00 - 0.50
5B-00132	20298	Tm-171	-1.4 U	5.5	1.7	72.4	0.00 - 0.50
5B-00132	20298	U-233/234	0.663	0.009	0.04	2.02	0.00 - 0.50
5B-00132	20298	U-235/236	0.0296	0.011	0.0071	0.151	0.00 - 0.50
5B-00132	20298	U-238	0.66	0.003	0.039	1.8	0.00 - 0.50
5B-00133	20299	Ac-227	0.121	0.1	0.041	0.217	0.00 - 0.50
5B-00133	20299	Ac-228	1.01	0.076	0.036	2.4	0.00 - 0.50
5B-00133	20299	Am-241	0.0018 U	0.0095	0.0026	0.0454	0.00 - 0.50
5B-00133	20299	Bi-212	0.872	0.12	0.065	2.15	0.00 - 0.50
5B-00133	20299	Bi-214	0.716	0.023	0.026	1.59	0.00 - 0.50
5B-00133	20299	Cd-113m	5 U	36	11	3030	0.00 - 0.50
5B-00133	20299	Cm-243/244	0.0017 U	0.008	0.0022	0.0443	0.00 - 0.50
5B-00133	20299	Cm-245/246	0.0017 U J K	0.0022	0.0012	0.0401	0.00 - 0.50
5B-00133	20299	Cm-247/248	-0.002 U	0.0076	0.0013	0.0306	0.00 - 0.50
5B-00133	20299	Co-60	0.0042 U	0.019	0.0048	0.028	0.00 - 0.50
5B-00133	20299	Cs-134	0.0076 SK	0.01	0.0058	0.0864	0.00 - 0.50
5B-00133	20299	Cs-137	0.0212	0.016	0.0062	0.207	0.00 - 0.50
5B-00133	20299	Eu-152	-0.015 U	0.033	0.01	0.0566	0.00 - 0.50
5B-00133	20299	Eu-154	0.0118 U	0.089	0.0075	0.15	0.00 - 0.50
5B-00133	20299	Eu-155	0.058 SK	0.03	0.012	0.231	0.00 - 0.50
5B-00133	20299	Ho-166m	0.0319 SK	0.024	0.0047	0.0432	0.00 - 0.50
5B-00133	20299	K-40	19.9	0.12	0.6	32.4	0.00 - 0.50
5B-00133	20299	Na-22	-0.002 U	0.024	0.0073	0.037	0.00 - 0.50
5B-00133	20299	Nb-94	0.0006 U	0.013	0.0039	0.0214	0.00 - 0.50
5B-00133	20299	Np-236	0.0051 U	0.025	0.0076	0.047	0.00 - 0.50
5B-00133	20299	Np-239	0 U	0.08	0.019	0.139	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00133	20299	Pa-231	-0.11 U	0.49	0.15	0.936	0.00 - 0.50
5B-00133	20299	Pb-212	1.3	0.022	0.053	2.69	0.00 - 0.50
5B-00133	20299	Pb-214	0.778	0.026	0.028	1.7	0.00 - 0.50
5B-00133	20299	Pu-236	-5E-04 U	0.0045	0.0005	7.79	0.00 - 0.50
5B-00133	20299	Pu-238	0.0008 U	0.0021	0.0008	0.0415	0.00 - 0.50
5B-00133	20299	Pu-239/240	0.0011 U	0.0045	0.0012	0.0404	0.00 - 0.50
5B-00133	20299	Pu-244	0.0008 U	0.0021	0.0008	0.0313	0.00 - 0.50
5B-00133	20299	Sb-125	0.12 SK	0.042	0.0098	0.354	0.00 - 0.50
5B-00133	20299	Sn-126	0.0049	0.0092	0.0028	0.0237	0.00 - 0.50
5B-00133	20299	Sr-90	0.027	0.042	0.013	0.485	0.00 - 0.50
5B-00133	20299	Te-125m	0.0278 SK	0.0096	0.0023	0.0838	0.00 - 0.50
5B-00133	20299	Th-228	1.06	0.021	0.059	3.98	0.00 - 0.50
5B-00133	20299	Th-229	0.0022 U	0.01	0.0029	0.145	0.00 - 0.50
5B-00133	20299	Th-230	0.744	0.017	0.045	2.2	0.00 - 0.50
5B-00133	20299	Th-232	1.04	0.013	0.058	3.1	0.00 - 0.50
5B-00133	20299	Th-234	0.218 R	0.14	0.045	3.19	0.00 - 0.50
5B-00133	20299	Tl-208	0.402	0.016	0.015	0.937	0.00 - 0.50
5B-00133	20299	Tm-171	-1.9 U	5.3	1.6	72.4	0.00 - 0.50
5B-00133	20299	U-233/234	0.567	0.013	0.037	2.02	0.00 - 0.50
5B-00133	20299	U-235/236	0.0233	0.0049	0.0065	0.151	0.00 - 0.50
5B-00133	20299	U-238	0.565	0.004	0.037	1.8	0.00 - 0.50
5B-00134	20300	Ac-227	0.043 U	0.11	0.038	0.217	0.00 - 0.50
5B-00134	20300	Ac-228	1.11	0.061	0.05	2.4	0.00 - 0.50
5B-00134	20300	Am-241	0.0009 U	0.0066	0.0016	0.0454	0.00 - 0.50
5B-00134	20300	Bi-212	0.946	0.094	0.059	2.15	0.00 - 0.50
5B-00134	20300	Bi-214	0.859	0.02	0.032	1.59	0.00 - 0.50
5B-00134	20300	Cd-113m	8 U	35	10	3030	0.00 - 0.50
5B-00134	20300	Cm-243/244	-0.002 U	0.014	0.0035	0.0443	0.00 - 0.50
5B-00134	20300	Cm-245/246	0 U J	0.0076	0.0016	0.0401	0.00 - 0.50
5B-00134	20300	Cm-247/248	0 U	0.0075	0.0015	0.0306	0.00 - 0.50
5B-00134	20300	Co-60	0 U	0.014	0.004	0.028	0.00 - 0.50
5B-00134	20300	Cs-134	0.0182 SK	0.0079	0.0027	0.0864	0.00 - 0.50
5B-00134	20300	Cs-137	0.021	0.0088	0.0038	0.207	0.00 - 0.50
5B-00134	20300	Eu-152	0.0045 U	0.031	0.0045	0.0566	0.00 - 0.50
5B-00134	20300	Eu-154	-0.028 U	0.079	0.024	0.15	0.00 - 0.50
5B-00134	20300	Eu-155	0.07 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00134	20300	Ho-166m	0.0028 U	0.019	0.0022	0.0432	0.00 - 0.50
5B-00134	20300	K-40	19.7	0.14	0.66	32.4	0.00 - 0.50
5B-00134	20300	Na-22	-0.003 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00134	20300	Nb-94	0.0044 U	0.011	0.0033	0.0214	0.00 - 0.50
5B-00134	20300	Np-236	-0.016 U	0.026	0.0078	0.047	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00134	20300	Np-239	-0.003 U	0.071	0.021	0.139	0.00 - 0.50
5B-00134	20300	Pa-231	0.03 U	0.49	0.15	0.936	0.00 - 0.50
5B-00134	20300	Pb-212	1.51	0.021	0.08	2.69	0.00 - 0.50
5B-00134	20300	Pb-214	0.959	0.024	0.037	1.7	0.00 - 0.50
5B-00134	20300	Pu-236	-0.001 U	0.0073	0.001	7.79	0.00 - 0.50
5B-00134	20300	Pu-238	0.0014 U	0.0059	0.0016	0.0415	0.00 - 0.50
5B-00134	20300	Pu-239/240	0.0004 U	0.0059	0.0012	0.0404	0.00 - 0.50
5B-00134	20300	Pu-244	0.002	0.0027	0.0014	0.0313	0.00 - 0.50
5B-00134	20300	Sb-125	0.151 SK	0.034	0.01	0.354	0.00 - 0.50
5B-00134	20300	Sn-126	-2E-04 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00134	20300	Sr-90	0.024	0.038	0.012	0.485	0.00 - 0.50
5B-00134	20300	Te-125m	0.0349 SK	0.0078	0.0024	0.0838	0.00 - 0.50
5B-00134	20300	Th-228	1.3	0.015	0.068	3.98	0.00 - 0.50
5B-00134	20300	Th-229	0.0043 U	0.012	0.0036	0.145	0.00 - 0.50
5B-00134	20300	Th-230	0.859	0.003	0.049	2.2	0.00 - 0.50
5B-00134	20300	Th-232	1.12	0.009	0.06	3.1	0.00 - 0.50
5B-00134	20300	Th-234	1.43	0.13	0.082	3.19	0.00 - 0.50
5B-00134	20300	Tl-208	0.459	0.015	0.018	0.937	0.00 - 0.50
5B-00134	20300	Tm-171	-4.9 R U	4.6	1.4	72.4	0.00 - 0.50
5B-00134	20300	U-233/234	0.832	0.013	0.049	2.02	0.00 - 0.50
5B-00134	20300	U-235/236	0.0396	0.0047	0.0084	0.151	0.00 - 0.50
5B-00134	20300	U-238	0.782	0.01	0.046	1.8	0.00 - 0.50
5B-00135	20301	Ac-227	0.011 U	0.1	0.011	0.217	0.00 - 0.50
5B-00135	20301	Ac-228	0.991	0.071	0.037	2.4	0.00 - 0.50
5B-00135	20301	Am-241	0.0043	0.008	0.0027	0.0454	0.00 - 0.50
5B-00135	20301	Bi-212	0.947	0.11	0.073	2.15	0.00 - 0.50
5B-00135	20301	Bi-214	0.771	0.023	0.03	1.59	0.00 - 0.50
5B-00135	20301	Cd-113m	8.7 U	32	9.6	3030	0.00 - 0.50
5B-00135	20301	Cm-243/244	0.0074	0.0078	0.0033	0.0443	0.00 - 0.50
5B-00135	20301	Cm-245/246	0.0019 U J	0.0025	0.0013	0.0401	0.00 - 0.50
5B-00135	20301	Cm-247/248	0 U	0.0067	0.0014	0.0306	0.00 - 0.50
5B-00135	20301	Co-60	-7E-04 U	0.014	0.0012	0.028	0.00 - 0.50
5B-00135	20301	Cs-134	0.0094 U	0.035	0.0028	0.0864	0.00 - 0.50
5B-00135	20301	Cs-137	0.0538	0.0098	0.0051	0.207	0.00 - 0.50
5B-00135	20301	Eu-152	-0.015 U	0.029	0.0087	0.0566	0.00 - 0.50
5B-00135	20301	Eu-154	-0.018 U	0.077	0.023	0.15	0.00 - 0.50
5B-00135	20301	Eu-155	0.082 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00135	20301	Ho-166m	0.0007 U	0.018	0.0011	0.0432	0.00 - 0.50
5B-00135	20301	K-40	20.2	0.14	0.67	32.4	0.00 - 0.50
5B-00135	20301	Na-22	-4E-04 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00135	20301	Nb-94	0.0122	0.0075	0.0033	0.0214	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00135	20301	Np-236	0.0016 U	0.025	0.0075	0.047	0.00 - 0.50
5B-00135	20301	Np-239	0.012 U	0.072	0.022	0.139	0.00 - 0.50
5B-00135	20301	Pa-231	0.004 U	0.47	0.14	0.936	0.00 - 0.50
5B-00135	20301	Pb-212	1.31	0.02	0.069	2.69	0.00 - 0.50
5B-00135	20301	Pb-214	0.893	0.022	0.034	1.7	0.00 - 0.50
5B-00135	20301	Pu-236	-0.003 U	0.013	0.0029	7.79	0.00 - 0.50
5B-00135	20301	Pu-238	-6E-04 U	0.0067	0.0012	0.0415	0.00 - 0.50
5B-00135	20301	Pu-239/240	0.0003 U	0.0048	0.001	0.0404	0.00 - 0.50
5B-00135	20301	Pu-244	0.0016	0.0022	0.0011	0.0313	0.00 - 0.50
5B-00135	20301	Sb-125	0.0996 SK	0.03	0.008	0.354	0.00 - 0.50
5B-00135	20301	Sn-126	0.0019 U	0.008	0.0024	0.0237	0.00 - 0.50
5B-00135	20301	Sr-90	0.012 U	0.051	0.015	0.485	0.00 - 0.50
5B-00135	20301	Te-125m	0.023 SK	0.0068	0.0018	0.0838	0.00 - 0.50
5B-00135	20301	Th-228	1.08	0.018	0.058	3.98	0.00 - 0.50
5B-00135	20301	Th-229	0.0033 U	0.0099	0.0029	0.145	0.00 - 0.50
5B-00135	20301	Th-230	0.864	0.011	0.048	2.2	0.00 - 0.50
5B-00135	20301	Th-232	1.06	0.003	0.057	3.1	0.00 - 0.50
5B-00135	20301	Th-234	1.18	0.12	0.072	3.19	0.00 - 0.50
5B-00135	20301	Tl-208	0.393	0.013	0.016	0.937	0.00 - 0.50
5B-00135	20301	Tm-171	-2.2 U	4.8	1.5	72.4	0.00 - 0.50
5B-00135	20301	U-233/234	0.76	0.011	0.042	2.02	0.00 - 0.50
5B-00135	20301	U-235/236	0.0402	0.011	0.0077	0.151	0.00 - 0.50
5B-00135	20301	U-238	0.69	0.012	0.039	1.8	0.00 - 0.50
5B-00136	20302	Ac-227	0.033 U	0.11	0.036	0.217	0.00 - 0.50
5B-00136	20302	Ac-228	1.06	0.056	0.037	2.4	0.00 - 0.50
5B-00136	20302	Am-241	-8E-04 U	0.0072	0.0014	0.0454	0.00 - 0.50
5B-00136	20302	Bi-212	0.878	0.1	0.064	2.15	0.00 - 0.50
5B-00136	20302	Bi-214	0.708	0.02	0.027	1.59	0.00 - 0.50
5B-00136	20302	Cd-113m	-0.4 U	32	9.7	3030	0.00 - 0.50
5B-00136	20302	Cm-243/244	-0.002 U	0.0091	0.002	0.0443	0.00 - 0.50
5B-00136	20302	Cm-245/246	0.0027 J	0.0024	0.0015	0.0401	0.00 - 0.50
5B-00136	20302	Cm-247/248	0 U	0.0024	0.001	0.0306	0.00 - 0.50
5B-00136	20302	Co-60	0.001 U	0.014	0.0014	0.028	0.00 - 0.50
5B-00136	20302	Cs-134	0.0074 U	0.033	0.0026	0.0864	0.00 - 0.50
5B-00136	20302	Cs-137	0.0398	0.0096	0.0049	0.207	0.00 - 0.50
5B-00136	20302	Eu-152	0.0023 U	0.028	0.0016	0.0566	0.00 - 0.50
5B-00136	20302	Eu-154	-0.024 U	0.072	0.022	0.15	0.00 - 0.50
5B-00136	20302	Eu-155	0.0388 SK	0.028	0.0087	0.231	0.00 - 0.50
5B-00136	20302	Ho-166m	0.0063 U	0.018	0.0051	0.0432	0.00 - 0.50
5B-00136	20302	K-40	18.7	0.14	0.63	32.4	0.00 - 0.50
5B-00136	20302	Na-22	-0.003 U	0.018	0.0055	0.037	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00136	20302	Nb-94	0.0043 U	0.01	0.003	0.0214	0.00 - 0.50
5B-00136	20302	Np-236	0.0003 U	0.024	0.0071	0.047	0.00 - 0.50
5B-00136	20302	Np-239	0.017 U	0.071	0.021	0.139	0.00 - 0.50
5B-00136	20302	Pa-231	-0.07 U	0.47	0.14	0.936	0.00 - 0.50
5B-00136	20302	Pb-212	1.37	0.02	0.073	2.69	0.00 - 0.50
5B-00136	20302	Pb-214	0.835	0.022	0.032	1.7	0.00 - 0.50
5B-00136	20302	Pu-236	-3E-04 U	0.012	0.0031	7.79	0.00 - 0.50
5B-00136	20302	Pu-238	-0.001 U	0.0074	0.0014	0.0415	0.00 - 0.50
5B-00136	20302	Pu-239/240	0.0016	0.0022	0.0011	0.0404	0.00 - 0.50
5B-00136	20302	Pu-244	0.0024	0.0022	0.0014	0.0313	0.00 - 0.50
5B-00136	20302	Sb-125	0.116 SK	0.031	0.0096	0.354	0.00 - 0.50
5B-00136	20302	Sn-126	0.0036 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00136	20302	Sr-90	0.012 U	0.049	0.014	0.485	0.00 - 0.50
5B-00136	20302	Te-125m	0.0268 SK	0.0073	0.0022	0.0838	0.00 - 0.50
5B-00136	20302	Th-228	1.13	0.018	0.06	3.98	0.00 - 0.50
5B-00136	20302	Th-229	-0.002 U	0.011	0.0022	0.145	0.00 - 0.50
5B-00136	20302	Th-230	0.686	0.011	0.041	2.2	0.00 - 0.50
5B-00136	20302	Th-232	1.01	0.011	0.055	3.1	0.00 - 0.50
5B-00136	20302	Th-234	0.328	0.13	0.043	3.19	0.00 - 0.50
5B-00136	20302	Tl-208	0.418	0.014	0.017	0.937	0.00 - 0.50
5B-00136	20302	Tm-171	-3.3 L U	5.1	1.5	72.4	0.00 - 0.50
5B-00136	20302	U-233/234	0.682	0.012	0.041	2.02	0.00 - 0.50
5B-00136	20302	U-235/236	0.0294	0.0042	0.0069	0.151	0.00 - 0.50
5B-00136	20302	U-238	0.634	0.003	0.039	1.8	0.00 - 0.50
5B-00140	20303	Ac-227	0.032 U	0.13	0.027	0.217	0.50 - 1.00
5B-00140	20303	Ac-228	0.958	0.085	0.037	2.4	0.50 - 1.00
5B-00140	20303	Am-241	0.003	0.0075	0.0023	0.0454	0.50 - 1.00
5B-00140	20303	Bi-212	0.841	0.14	0.08	2.15	0.50 - 1.00
5B-00140	20303	Bi-214	0.652	0.026	0.026	1.59	0.50 - 1.00
5B-00140	20303	Cd-113m	-5 U	39	12	3030	0.50 - 1.00
5B-00140	20303	Cm-243/244	-0.001 U	0.0092	0.0019	0.0443	0.50 - 1.00
5B-00140	20303	Cm-245/246	0.0016 U J	0.0058	0.0016	0.0401	0.50 - 1.00
5B-00140	20303	Cm-247/248	0 U	0.0072	0.0016	0.0306	0.50 - 1.00
5B-00140	20303	Co-60	0.0071 U	0.018	0.0056	0.028	0.50 - 1.00
5B-00140	20303	Cs-134	0.0086 SK	0.017	0.0026	0.0864	0.50 - 1.00
5B-00140	20303	Cs-137	0.0084	0.017	0.0055	0.207	0.50 - 1.00
5B-00140	20303	Eu-152	0.003 U	0.035	0.01	0.0566	0.50 - 1.00
5B-00140	20303	Eu-154	-0.041 U	0.11	0.034	0.15	0.50 - 1.00
5B-00140	20303	Eu-155	0.051 SK	0.03	0.012	0.231	0.50 - 1.00
5B-00140	20303	Ho-166m	0.0073 U	0.026	0.0052	0.0432	0.50 - 1.00
5B-00140	20303	K-40	19.9	0.15	0.61	32.4	0.50 - 1.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00140	20303	Na-22	0.001 U	0.022	0.0066	0.037	0.50 - 1.00
5B-00140	20303	Nb-94	0.0021 U	0.012	0.0025	0.0214	0.50 - 1.00
5B-00140	20303	Np-236	-0.011 U	0.026	0.008	0.047	0.50 - 1.00
5B-00140	20303	Np-239	0.0006 U	0.081	0.024	0.139	0.50 - 1.00
5B-00140	20303	Pa-231	0.0003 U	0.46	0.0006	0.936	0.50 - 1.00
5B-00140	20303	Pb-212	1.19	0.024	0.049	2.69	0.50 - 1.00
5B-00140	20303	Pb-214	0.704	0.025	0.025	1.7	0.50 - 1.00
5B-00140	20303	Pu-236	0.0043	0.0047	0.002	7.79	0.50 - 1.00
5B-00140	20303	Pu-238	-2E-04 U	0.0057	0.0011	0.0415	0.50 - 1.00
5B-00140	20303	Pu-239/240	0.0003 U	0.0047	0.001	0.0404	0.50 - 1.00
5B-00140	20303	Pu-244	0.0016	0.0021	0.0011	0.0313	0.50 - 1.00
5B-00140	20303	Sb-125	0.0913 SK	0.041	0.0099	0.354	0.50 - 1.00
5B-00140	20303	Sn-126	0.0122	0.011	0.0048	0.0237	0.50 - 1.00
5B-00140	20303	Sr-90	0.004 U	0.058	0.017	0.485	0.50 - 1.00
5B-00140	20303	Te-125m	0.0211 SK	0.0095	0.0023	0.0838	0.50 - 1.00
5B-00140	20303	Th-228	1.02	0.014	0.052	3.98	0.50 - 1.00
5B-00140	20303	Th-229	0.0016 U	0.0085	0.0024	0.145	0.50 - 1.00
5B-00140	20303	Th-230	0.703	0.006	0.038	2.2	0.50 - 1.00
5B-00140	20303	Th-232	1.01	0.006	0.051	3.1	0.50 - 1.00
5B-00140	20303	Th-234	0.356	0.15	0.048	3.19	0.50 - 1.00
5B-00140	20303	Tl-208	0.383	0.018	0.016	0.937	0.50 - 1.00
5B-00140	20303	Tm-171	2.9	5.3	1.6	72.4	0.50 - 1.00
5B-00140	20303	U-233/234	0.49	0.01	0.029	2.02	0.50 - 1.00
5B-00140	20303	U-235/236	0.0337	0.0028	0.006	0.151	0.50 - 1.00
5B-00140	20303	U-238	0.531	0.002	0.031	1.8	0.50 - 1.00
5B-00141	20304	Ac-227	0.07	0.13	0.018	0.217	0.00 - 0.50
5B-00141	20304	Ac-228	1.33	0.075	0.045	2.4	0.00 - 0.50
5B-00141	20304	Am-241	-0.001 U	0.0099	0.0015	0.0454	0.00 - 0.50
5B-00141	20304	Bi-212	1.07	0.11	0.066	2.15	0.00 - 0.50
5B-00141	20304	Bi-214	0.823	0.024	0.029	1.59	0.00 - 0.50
5B-00141	20304	Cd-113m	-6 U	38	11	3030	0.00 - 0.50
5B-00141	20304	Cm-243/244	0.0026 U	0.0036	0.0019	0.0443	0.00 - 0.50
5B-00141	20304	Cm-245/246	0.0016 U	0.0021	0.0011	0.0401	0.00 - 0.50
5B-00141	20304	Cm-247/248	-8E-04 U	0.0072	0.0015	0.0306	0.00 - 0.50
5B-00141	20304	Co-60	0.0051 U	0.016	0.0041	0.028	0.00 - 0.50
5B-00141	20304	Cs-134	0.0117 U	0.047	0.0036	0.0864	0.00 - 0.50
5B-00141	20304	Cs-137	0.0122	0.0095	0.0037	0.207	0.00 - 0.50
5B-00141	20304	Eu-152	0.007 U	0.035	0.012	0.0566	0.00 - 0.50
5B-00141	20304	Eu-154	0.0124 U	0.084	0.0073	0.15	0.00 - 0.50
5B-00141	20304	Eu-155	0.075 SK	0.035	0.014	0.231	0.00 - 0.50
5B-00141	20304	Ho-166m	-0.006 U	0.023	0.0068	0.0432	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00141	20304	K-40	19.3	0.14	0.58	32.4	0.00 - 0.50
5B-00141	20304	Na-22	-4E-04 U	0.021	0.0063	0.037	0.00 - 0.50
5B-00141	20304	Nb-94	0.013 SK	0.01	0.0048	0.0214	0.00 - 0.50
5B-00141	20304	Np-236	-0.002 U	0.03	0.009	0.047	0.00 - 0.50
5B-00141	20304	Np-239	-0.005 U	0.056	0.017	0.139	0.00 - 0.50
5B-00141	20304	Pa-231	-0.004 U	0.54	0.16	0.936	0.00 - 0.50
5B-00141	20304	Pb-212	1.56	0.023	0.047	2.69	0.00 - 0.50
5B-00141	20304	Pb-214	0.869	0.026	0.038	1.7	0.00 - 0.50
5B-00141	20304	Pu-236	0.001 U	0.0026	0.001	7.79	0.00 - 0.50
5B-00141	20304	Pu-238	0.0048	0.0026	0.0022	0.0415	0.00 - 0.50
5B-00141	20304	Pu-239/240	0.0023	0.0058	0.0018	0.0404	0.00 - 0.50
5B-00141	20304	Pu-244	0.0029	0.0026	0.0017	0.0313	0.00 - 0.50
5B-00141	20304	Sb-125	0.154 SK	0.036	0.012	0.354	0.00 - 0.50
5B-00141	20304	Sn-126	-0.001 U	0.014	0.004	0.0237	0.00 - 0.50
5B-00141	20304	Sr-90	-0.02 U	0.055	0.015	0.485	0.00 - 0.50
5B-00141	20304	Te-125m	0.0355 SK	0.0082	0.0027	0.0838	0.00 - 0.50
5B-00141	20304	Th-228	1.18	0.021	0.062	3.98	0.00 - 0.50
5B-00141	20304	Th-229	0.0086	0.0063	0.003	0.145	0.00 - 0.50
5B-00141	20304	Th-230	1.01	0.003	0.054	2.2	0.00 - 0.50
5B-00141	20304	Th-232	1.18	0.003	0.062	3.1	0.00 - 0.50
5B-00141	20304	Th-234	1.7 R	0.15	0.083	3.19	0.00 - 0.50
5B-00141	20304	Tl-208	0.534	0.017	0.019	0.937	0.00 - 0.50
5B-00141	20304	Tm-171	3.6	5.3	2.1	72.4	0.00 - 0.50
5B-00141	20304	U-233/234	0.973	0.007	0.051	2.02	0.00 - 0.50
5B-00141	20304	U-235/236	0.0521	0.0089	0.0084	0.151	0.00 - 0.50
5B-00141	20304	U-238	0.96	0.013	0.051	1.8	0.00 - 0.50
5B-00142	20305	Ac-227	0.136	0.1	0.04	0.217	1.00 - 2.50
5B-00142	20305	Ac-228	1.09	0.089	0.04	2.4	1.00 - 2.50
5B-00142	20305	Am-241	0.0017 U	0.0064	0.0018	0.0454	1.00 - 2.50
5B-00142	20305	Bi-212	0.982	0.13	0.074	2.15	1.00 - 2.50
5B-00142	20305	Bi-214	0.708	0.02	0.025	1.59	1.00 - 2.50
5B-00142	20305	Cd-113m	-0.4 U	38	11	3030	1.00 - 2.50
5B-00142	20305	Cm-243/244	0.0034	0.0023	0.0017	0.0443	1.00 - 2.50
5B-00142	20305	Cm-245/246	0.0039 J	0.0058	0.0021	0.0401	1.00 - 2.50
5B-00142	20305	Cm-247/248	0.0023	0.0057	0.0018	0.0306	1.00 - 2.50
5B-00142	20305	Co-60	0.0051 U	0.019	0.0056	0.028	1.00 - 2.50
5B-00142	20305	Cs-134	0.0095 U J	0.025	0.0039	0.0864	1.00 - 2.50
5B-00142	20305	Cs-137	0.0102	0.016	0.0064	0.207	1.00 - 2.50
5B-00142	20305	Eu-152	-0.006 U	0.035	0.011	0.0566	1.00 - 2.50
5B-00142	20305	Eu-154	-0.058 U	0.097	0.03	0.15	1.00 - 2.50
5B-00142	20305	Eu-155	0.081 SK	0.031	0.012	0.231	1.00 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00142	20305	Ho-166m	0.0132 SK	0.025	0.0097	0.0432	1.00 - 2.50
5B-00142	20305	K-40	19.9	0.14	0.61	32.4	1.00 - 2.50
5B-00142	20305	Na-22	0.0049 U J	0.024	0.0072	0.037	1.00 - 2.50
5B-00142	20305	Nb-94	0.0032 U	0.014	0.0041	0.0214	1.00 - 2.50
5B-00142	20305	Np-236	-0.004 U	0.027	0.0083	0.047	1.00 - 2.50
5B-00142	20305	Np-239	0.004 U	0.081	0.024	0.139	1.00 - 2.50
5B-00142	20305	Pa-231	0.112 U	0.54	0.089	0.936	1.00 - 2.50
5B-00142	20305	Pb-212	1.39	0.023	0.057	2.69	1.00 - 2.50
5B-00142	20305	Pb-214	0.778	0.023	0.027	1.7	1.00 - 2.50
5B-00142	20305	Pu-236	0.0003 U	0.0046	0.0009	7.79	1.00 - 2.50
5B-00142	20305	Pu-238	-9E-04 U	0.0056	0.0007	0.0415	1.00 - 2.50
5B-00142	20305	Pu-239/240	0.0015 U	0.0021	0.0011	0.0404	1.00 - 2.50
5B-00142	20305	Pu-244	0.0008 U	0.0021	0.0008	0.0313	1.00 - 2.50
5B-00142	20305	Sb-125	0.108 SK	0.036	0.0099	0.354	1.00 - 2.50
5B-00142	20305	Sn-126	-0.001 U	0.016	0.0047	0.0237	1.00 - 2.50
5B-00142	20305	Sr-90	0.019 U	0.042	0.013	0.485	1.00 - 2.50
5B-00142	20305	Te-125m	0.025 SK	0.0082	0.0023	0.0838	1.00 - 2.50
5B-00142	20305	Th-228	1.39	0.022	0.072	3.98	1.00 - 2.50
5B-00142	20305	Th-229	0.0082	0.011	0.0039	0.145	1.00 - 2.50
5B-00142	20305	Th-230	0.818	0.009	0.046	2.2	1.00 - 2.50
5B-00142	20305	Th-232	1.41	0.009	0.072	3.1	1.00 - 2.50
5B-00142	20305	Th-234	0.334	0.15	0.048	3.19	1.00 - 2.50
5B-00142	20305	Tl-208	0.444	0.016	0.016	0.937	1.00 - 2.50
5B-00142	20305	Tm-171	0.6 U J	3.9	1.2	72.4	1.00 - 2.50
5B-00142	20305	U-233/234	0.699	0.009	0.042	2.02	1.00 - 2.50
5B-00142	20305	U-235/236	0.0342	0.011	0.0077	0.151	1.00 - 2.50
5B-00142	20305	U-238	0.831	0.012	0.048	1.8	1.00 - 2.50
5B-00142	20306	Ac-227	0.046 U	0.15	0.046	0.217	0.00 - 0.50
5B-00142	20306	Ac-228	1.43	0.093	0.055	2.4	0.00 - 0.50
5B-00142	20306	Am-241	0 U	0.0093	0.0021	0.0454	0.00 - 0.50
5B-00142	20306	Bi-212	1.12	0.14	0.078	2.15	0.00 - 0.50
5B-00142	20306	Bi-214	0.825	0.03	0.031	1.59	0.00 - 0.50
5B-00142	20306	Cd-113m	14 U	44	13	3030	0.00 - 0.50
5B-00142	20306	Cm-243/244	-0.002 U	0.012	0.0026	0.0443	0.00 - 0.50
5B-00142	20306	Cm-245/246	0.0009 U J	0.0069	0.0017	0.0401	0.00 - 0.50
5B-00142	20306	Cm-247/248	0.0019 U	0.0025	0.0013	0.0306	0.00 - 0.50
5B-00142	20306	Co-60	0 U	0.026	0.0021	0.028	0.00 - 0.50
5B-00142	20306	Cs-134	-0.001 U J	0.033	0.0098	0.0864	0.00 - 0.50
5B-00142	20306	Cs-137	0.006 U	0.02	0.0066	0.207	0.00 - 0.50
5B-00142	20306	Eu-152	0.011 U	0.044	0.0099	0.0566	0.00 - 0.50
5B-00142	20306	Eu-154	0.033 U	0.12	0.014	0.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00142	20306	Eu-155	0.075 RSK	0.037	0.014	0.231	0.00 - 0.50
5B-00142	20306	Ho-166m	0.0052 U	0.03	0.0033	0.0432	0.00 - 0.50
5B-00142	20306	K-40	20.1	0.16	0.62	32.4	0.00 - 0.50
5B-00142	20306	Na-22	0.0074 U	0.029	0.0086	0.037	0.00 - 0.50
5B-00142	20306	Nb-94	0.0069 U	0.017	0.0051	0.0214	0.00 - 0.50
5B-00142	20306	Np-236	-0.011 U	0.033	0.0099	0.047	0.00 - 0.50
5B-00142	20306	Np-239	0.006 U	0.1	0.03	0.139	0.00 - 0.50
5B-00142	20306	Pa-231	0.07 U	0.66	0.2	0.936	0.00 - 0.50
5B-00142	20306	Pb-212	1.78	0.031	0.073	2.69	0.00 - 0.50
5B-00142	20306	Pb-214	0.887	0.034	0.033	1.7	0.00 - 0.50
5B-00142	20306	Pu-236	-5E-04 U	0.0034	0.0005	7.79	0.00 - 0.50
5B-00142	20306	Pu-238	0 U	0.0012	0.0005	0.0415	0.00 - 0.50
5B-00142	20306	Pu-239/240	0.0004 U	0.0032	0.0008	0.0404	0.00 - 0.50
5B-00142	20306	Pu-244	0.0026	0.0012	0.0011	0.0313	0.00 - 0.50
5B-00142	20306	Sb-125	0.141 SK	0.049	0.012	0.354	0.00 - 0.50
5B-00142	20306	Sn-126	0.0021 U	0.019	0.0057	0.0237	0.00 - 0.50
5B-00142	20306	Sr-90	0.004 U	0.041	0.012	0.485	0.00 - 0.50
5B-00142	20306	Te-125m	0.0326 SK	0.011	0.0027	0.0838	0.00 - 0.50
5B-00142	20306	Th-228	1.36	0.023	0.068	3.98	0.00 - 0.50
5B-00142	20306	Th-229	0.0082	0.0084	0.0034	0.145	0.00 - 0.50
5B-00142	20306	Th-230	0.937	0.007	0.05	2.2	0.00 - 0.50
5B-00142	20306	Th-232	1.31	0.007	0.066	3.1	0.00 - 0.50
5B-00142	20306	Th-234	0.419	0.19	0.06	3.19	0.00 - 0.50
5B-00142	20306	Tl-208	0.551	0.022	0.021	0.937	0.00 - 0.50
5B-00142	20306	Tm-171	1.2 U	6.5	2	72.4	0.00 - 0.50
5B-00142	20306	U-233/234	0.705	0.009	0.041	2.02	0.00 - 0.50
5B-00142	20306	U-235/236	0.0231	0.0039	0.0059	0.151	0.00 - 0.50
5B-00142	20306	U-238	0.694	0.009	0.041	1.8	0.00 - 0.50
5B-00143	20307	Ac-227	0.032 U	0.11	0.033	0.217	1.00 - 2.50
5B-00143	20307	Ac-228	1.34	0.055	0.045	2.4	1.00 - 2.50
5B-00143	20307	Am-241	0.0019 U	0.0026	0.0014	0.0454	1.00 - 2.50
5B-00143	20307	Bi-212	0.96	0.1	0.064	2.15	1.00 - 2.50
5B-00143	20307	Bi-214	0.654	0.02	0.026	1.59	1.00 - 2.50
5B-00143	20307	Cd-113m	4.5 U	32	9.6	3030	1.00 - 2.50
5B-00143	20307	Cm-243/244	0.0019 U	0.007	0.002	0.0443	1.00 - 2.50
5B-00143	20307	Cm-245/246	0.0064	0.0085	0.0031	0.0401	1.00 - 2.50
5B-00143	20307	Cm-247/248	0.0018 U	0.0024	0.0013	0.0306	1.00 - 2.50
5B-00143	20307	Co-60	0.0023 U	0.013	0.0039	0.028	1.00 - 2.50
5B-00143	20307	Cs-134	0.0017 U J	0.03	0.0034	0.0864	1.00 - 2.50
5B-00143	20307	Cs-137	-3E-04 U	0.013	0.0039	0.207	1.00 - 2.50
5B-00143	20307	Eu-152	0.0079 U	0.028	0.0058	0.0566	1.00 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00143	20307	Eu-154	-0.032 U	0.068	0.021	0.15	1.00 - 2.50
5B-00143	20307	Eu-155	0.082 SK	0.029	0.012	0.231	1.00 - 2.50
5B-00143	20307	Ho-166m	0.0095 SK	0.017	0.0074	0.0432	1.00 - 2.50
5B-00143	20307	K-40	18.2	0.13	0.61	32.4	1.00 - 2.50
5B-00143	20307	Na-22	0.0007 U J	0.016	0.0049	0.037	1.00 - 2.50
5B-00143	20307	Nb-94	0.0033 U	0.01	0.0031	0.0214	1.00 - 2.50
5B-00143	20307	Np-236	-0.006 U	0.023	0.007	0.047	1.00 - 2.50
5B-00143	20307	Np-239	0.005 U	0.067	0.02	0.139	1.00 - 2.50
5B-00143	20307	Pa-231	0.04 U	0.45	0.13	0.936	1.00 - 2.50
5B-00143	20307	Pb-212	1.7	0.019	0.089	2.69	1.00 - 2.50
5B-00143	20307	Pb-214	0.736	0.022	0.029	1.7	1.00 - 2.50
5B-00143	20307	Pu-236	-0.001 U	0.0082	0.0017	7.79	1.00 - 2.50
5B-00143	20307	Pu-238	0.0006 U	0.0056	0.0013	0.0415	1.00 - 2.50
5B-00143	20307	Pu-239/240	0.0005 U	0.0071	0.0017	0.0404	1.00 - 2.50
5B-00143	20307	Pu-244	0.0006 U	0.0056	0.0013	0.0313	1.00 - 2.50
5B-00143	20307	Sb-125	0.138 SK	0.031	0.0092	0.354	1.00 - 2.50
5B-00143	20307	Sn-126	-0.004 U	0.012	0.0035	0.0237	1.00 - 2.50
5B-00143	20307	Sr-90	0.014 U	0.058	0.017	0.485	1.00 - 2.50
5B-00143	20307	Te-125m	0.0319 SK	0.0071	0.0021	0.0838	1.00 - 2.50
5B-00143	20307	Th-228	1.3	0.027	0.07	3.98	1.00 - 2.50
5B-00143	20307	Th-229	0.0077	0.01	0.0037	0.145	1.00 - 2.50
5B-00143	20307	Th-230	0.878	0.014	0.051	2.2	1.00 - 2.50
5B-00143	20307	Th-232	1.25	0.004	0.067	3.1	1.00 - 2.50
5B-00143	20307	Th-234	0.399	0.13	0.045	3.19	1.00 - 2.50
5B-00143	20307	Tl-208	0.512	0.013	0.019	0.937	1.00 - 2.50
5B-00143	20307	Tm-171	-2 U J	5.1	1.5	72.4	1.00 - 2.50
5B-00143	20307	U-233/234	0.723	0.006	0.036	2.02	1.00 - 2.50
5B-00143	20307	U-235/236	0.0343	0.0018	0.0049	0.151	1.00 - 2.50
5B-00143	20307	U-238	0.709	0.001	0.035	1.8	1.00 - 2.50
5B-00143	20308	Ac-227	0.005 U	0.1	0.024	0.217	0.00 - 0.50
5B-00143	20308	Ac-228	1.19	0.063	0.042	2.4	0.00 - 0.50
5B-00143	20308	Am-241	-0.001 U	0.0081	0.0012	0.0454	0.00 - 0.50
5B-00143	20308	Bi-212	1	0.1	0.066	2.15	0.00 - 0.50
5B-00143	20308	Bi-214	0.833	0.021	0.032	1.59	0.00 - 0.50
5B-00143	20308	Cd-113m	0.39 U	33	9.98	3030	0.00 - 0.50
5B-00143	20308	Cm-243/244	-0.001 U	0.01	0.002	0.0443	0.00 - 0.50
5B-00143	20308	Cm-245/246	0.0058 J	0.0031	0.0026	0.0401	0.00 - 0.50
5B-00143	20308	Cm-247/248	0 U	0.0031	0.0013	0.0306	0.00 - 0.50
5B-00143	20308	Co-60	-0.002 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00143	20308	Cs-134	0.0037 U J	0.046	0.0034	0.0864	0.00 - 0.50
5B-00143	20308	Cs-137	-3E-04 U	0.014	0.0043	0.207	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00143	20308	Eu-152	0.0161	0.031	0.0079	0.0566	0.00 - 0.50
5B-00143	20308	Eu-154	-0.034 U	0.081	0.025	0.15	0.00 - 0.50
5B-00143	20308	Eu-155	0.06 RSK	0.028	0.011	0.231	0.00 - 0.50
5B-00143	20308	Ho-166m	0.003 U	0.02	0.0028	0.0432	0.00 - 0.50
5B-00143	20308	K-40	21.8	0.13	0.72	32.4	0.00 - 0.50
5B-00143	20308	Na-22	-0.008 U	0.021	0.0064	0.037	0.00 - 0.50
5B-00143	20308	Nb-94	0.0018 U	0.011	0.0033	0.0214	0.00 - 0.50
5B-00143	20308	Np-236	0.0053 U	0.026	0.008	0.047	0.00 - 0.50
5B-00143	20308	Np-239	-0.016 U	0.068	0.021	0.139	0.00 - 0.50
5B-00143	20308	Pa-231	0.04 U	0.48	0.14	0.936	0.00 - 0.50
5B-00143	20308	Pb-212	1.53	0.02	0.081	2.69	0.00 - 0.50
5B-00143	20308	Pb-214	0.948	0.022	0.036	1.7	0.00 - 0.50
5B-00143	20308	Pu-236	-0.003 U	0.008	0.0018	7.79	0.00 - 0.50
5B-00143	20308	Pu-238	0.0015 U	0.0047	0.0014	0.0415	0.00 - 0.50
5B-00143	20308	Pu-239/240	-0.001 U	0.0054	0.0011	0.0404	0.00 - 0.50
5B-00143	20308	Pu-244	0.0025	0.0014	0.0011	0.0313	0.00 - 0.50
5B-00143	20308	Sb-125	0.009 U	0.03	0.0066	0.354	0.00 - 0.50
5B-00143	20308	Sn-126	0 U	0.013	0.0038	0.0237	0.00 - 0.50
5B-00143	20308	Sr-90	0.01 U	0.042	0.012	0.485	0.00 - 0.50
5B-00143	20308	Te-125m	0.0021 U	0.0069	0.0015	0.0838	0.00 - 0.50
5B-00143	20308	Th-228	1.35	0.016	0.068	3.98	0.00 - 0.50
5B-00143	20308	Th-229	0.0026 U	0.0092	0.0027	0.145	0.00 - 0.50
5B-00143	20308	Th-230	0.942	0.01	0.05	2.2	0.00 - 0.50
5B-00143	20308	Th-232	1.3	0.003	0.066	3.1	0.00 - 0.50
5B-00143	20308	Th-234	1.39	0.13	0.082	3.19	0.00 - 0.50
5B-00143	20308	Tl-208	0.474	0.015	0.019	0.937	0.00 - 0.50
5B-00143	20308	Tm-171	-3.2 L U	4.9	1.5	72.4	0.00 - 0.50
5B-00143	20308	U-233/234	0.784	0.005	0.04	2.02	0.00 - 0.50
5B-00143	20308	U-235/236	0.0423	0.0023	0.0062	0.151	0.00 - 0.50
5B-00143	20308	U-238	0.825	0.005	0.042	1.8	0.00 - 0.50
5B-00253	20322	Ac-227	0.06 U	0.15	0.063	0.217	1.00 - 4.00
5B-00253	20322	Ac-228	1.47	0.083	0.049	2.4	1.00 - 4.00
5B-00253	20322	Am-241	0 U	0.003	0.0012	0.0454	1.00 - 4.00
5B-00253	20322	Bi-212	1.24	0.15	0.093	2.15	1.00 - 4.00
5B-00253	20322	Bi-214	1.08	0.028	0.038	1.59	1.00 - 4.00
5B-00253	20322	Cd-113m	-1E-04 U	44	13	3030	1.00 - 4.00
5B-00253	20322	Cm-243/244	0.0011 U	0.0029	0.0011	0.0443	1.00 - 4.00
5B-00253	20322	Cm-245/246	0.0038 J	0.0026	0.0019	0.0401	1.00 - 4.00
5B-00253	20322	Cm-247/248	0.0019 U	0.0025	0.0013	0.0306	1.00 - 4.00
5B-00253	20322	Co-60	-0.002 U	0.02	0.006	0.028	1.00 - 4.00
5B-00253	20322	Cs-134	0.0139 U J	0.054	0.0041	0.0864	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00253	20322	Cs-137	0.0066	0.012	0.0037	0.207	1.00 - 4.00
5B-00253	20322	Eu-152	0.0097 U	0.041	0.0099	0.0566	1.00 - 4.00
5B-00253	20322	Eu-154	-2E-04 U	0.1	0.0003	0.15	1.00 - 4.00
5B-00253	20322	Eu-155	0.108 SK	0.034	0.014	0.231	1.00 - 4.00
5B-00253	20322	Ho-166m	0.0017 U	0.026	0.0016	0.0432	1.00 - 4.00
5B-00253	20322	K-40	17.6	0.12	0.54	32.4	1.00 - 4.00
5B-00253	20322	Na-22	0.0091 J	0.019	0.0056	0.037	1.00 - 4.00
5B-00253	20322	Nb-94	0.002 U	0.015	0.0046	0.0214	1.00 - 4.00
5B-00253	20322	Np-236	-0.002 U	0.033	0.01	0.047	1.00 - 4.00
5B-00253	20322	Np-239	-0.018 U	0.092	0.028	0.139	1.00 - 4.00
5B-00253	20322	Pa-231	0.131 U	0.62	0.084	0.936	1.00 - 4.00
5B-00253	20322	Pb-212	1.81	0.033	0.074	2.69	1.00 - 4.00
5B-00253	20322	Pb-214	1.19	0.03	0.039	1.7	1.00 - 4.00
5B-00253	20322	Pu-236	-5E-04 U	0.0049	0.0006	7.79	1.00 - 4.00
5B-00253	20322	Pu-238	0.0007 U	0.0059	0.0014	0.0415	1.00 - 4.00
5B-00253	20322	Pu-239/240	0.0033	0.0022	0.0016	0.0404	1.00 - 4.00
5B-00253	20322	Pu-244	0.0024	0.0022	0.0014	0.0313	1.00 - 4.00
5B-00253	20322	Sb-125	0.121 SK	0.044	0.0088	0.354	1.00 - 4.00
5B-00253	20322	Sn-126	-0.001 U	0.017	0.0052	0.0237	1.00 - 4.00
5B-00253	20322	Sr-90	0.019 U	0.043	0.013	0.485	1.00 - 4.00
5B-00253	20322	Te-125m	0.0279 SK	0.01	0.002	0.0838	1.00 - 4.00
5B-00253	20322	Th-228	1.67	0.019	0.083	3.98	1.00 - 4.00
5B-00253	20322	Th-229	0.0144	0.0082	0.0044	0.145	1.00 - 4.00
5B-00253	20322	Th-230	1.23	0.011	0.065	2.2	1.00 - 4.00
5B-00253	20322	Th-232	1.58	0.009	0.079	3.1	1.00 - 4.00
5B-00253	20322	Th-234	0.454	0.17	0.054	3.19	1.00 - 4.00
5B-00253	20322	Tl-208	0.573	0.015	0.02	0.937	1.00 - 4.00
5B-00253	20322	Tm-171	-3.9 JU J	5.5	1.7	72.4	1.00 - 4.00
5B-00253	20322	U-233/234	1.11	0.01	0.058	2.02	1.00 - 4.00
5B-00253	20322	U-235/236	0.0586	0.012	0.0094	0.151	1.00 - 4.00
5B-00253	20322	U-238	1.07	0.01	0.056	1.8	1.00 - 4.00
5B-00253	20323	Ac-227	0.035 U	0.12	0.042	0.217	0.00 - 0.50
5B-00253	20323	Ac-228	1.26	0.06	0.045	2.4	0.00 - 0.50
5B-00253	20323	Am-241	0.003	0.0073	0.0023	0.0454	0.00 - 0.50
5B-00253	20323	Bi-212	0.999	0.097	0.062	2.15	0.00 - 0.50
5B-00253	20323	Bi-214	1	0.022	0.037	1.59	0.00 - 0.50
5B-00253	20323	Cd-113m	-0.9 U	34	10	3030	0.00 - 0.50
5B-00253	20323	Cm-243/244	-0.001 U	0.0071	0.0011	0.0443	0.00 - 0.50
5B-00253	20323	Cm-245/246	0 U	0.0031	0.0013	0.0401	0.00 - 0.50
5B-00253	20323	Cm-247/248	0 U	0.0031	0.0013	0.0306	0.00 - 0.50
5B-00253	20323	Co-60	0.0038 U	0.014	0.0033	0.028	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00253	20323	Cs-134	0.0158 U	0.038	0.0037	0.0864	0.00 - 0.50
5B-00253	20323	Cs-137	-0.008 U	0.013	0.0041	0.207	0.00 - 0.50
5B-00253	20323	Eu-152	0.006 U	0.031	0.012	0.0566	0.00 - 0.50
5B-00253	20323	Eu-154	-0.027 U	0.078	0.024	0.15	0.00 - 0.50
5B-00253	20323	Eu-155	0.0269 SK	0.03	0.0093	0.231	0.00 - 0.50
5B-00253	20323	Ho-166m	0.0111 SK	0.019	0.0064	0.0432	0.00 - 0.50
5B-00253	20323	K-40	20.6	0.15	0.69	32.4	0.00 - 0.50
5B-00253	20323	Na-22	0.0034 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00253	20323	Nb-94	0.0077 SK	0.0074	0.003	0.0214	0.00 - 0.50
5B-00253	20323	Np-236	-0.01 U	0.026	0.0079	0.047	0.00 - 0.50
5B-00253	20323	Np-239	-0.028 U	0.079	0.024	0.139	0.00 - 0.50
5B-00253	20323	Pa-231	-0.018 U	0.39	0.019	0.936	0.00 - 0.50
5B-00253	20323	Pb-212	1.58	0.02	0.084	2.69	0.00 - 0.50
5B-00253	20323	Pb-214	1.13	0.024	0.042	1.7	0.00 - 0.50
5B-00253	20323	Pu-236	-0.002 U	0.0077	0.0014	7.79	0.00 - 0.50
5B-00253	20323	Pu-238	0.0036	0.0071	0.0023	0.0415	0.00 - 0.50
5B-00253	20323	Pu-239/240	0.0015 U	0.0021	0.0011	0.0404	0.00 - 0.50
5B-00253	20323	Pu-244	0.0015 U	0.0021	0.0011	0.0313	0.00 - 0.50
5B-00253	20323	Sb-125	0.129 JSK	0.033	0.009	0.354	0.00 - 0.50
5B-00253	20323	Sn-126	-3E-04 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00253	20323	Sr-90	0.005 U	0.036	0.011	0.485	0.00 - 0.50
5B-00253	20323	Te-125m	0.0298 JSK	0.0075	0.0021	0.0838	0.00 - 0.50
5B-00253	20323	Th-228	1.33	0.021	0.068	3.98	0.00 - 0.50
5B-00253	20323	Th-229	0.0082	0.014	0.0047	0.145	0.00 - 0.50
5B-00253	20323	Th-230	1.09	0.014	0.057	2.2	0.00 - 0.50
5B-00253	20323	Th-232	1.27	0.01	0.065	3.1	0.00 - 0.50
5B-00253	20323	Th-234	1.64 R	0.14	0.089	3.19	0.00 - 0.50
5B-00253	20323	Tl-208	0.466	0.015	0.018	0.937	0.00 - 0.50
5B-00253	20323	Tm-171	1.5 U	5.1	1.6	72.4	0.00 - 0.50
5B-00253	20323	U-233/234	1.15	0.009	0.061	2.02	0.00 - 0.50
5B-00253	20323	U-235/236	0.0474	0.011	0.0089	0.151	0.00 - 0.50
5B-00253	20323	U-238	1.01	0.003	0.055	1.8	0.00 - 0.50
5B-00254	20324	Ac-227	0.072	0.086	0.017	0.217	1.00 - 4.50
5B-00254	20324	Ac-228	1.16	0.058	0.04	2.4	1.00 - 4.50
5B-00254	20324	Am-241	-0.002 U J	0.018	0.0043	0.0454	1.00 - 4.50
5B-00254	20324	Bi-212	0.979	0.1	0.068	2.15	1.00 - 4.50
5B-00254	20324	Bi-214	0.867	0.022	0.033	1.59	1.00 - 4.50
5B-00254	20324	Cd-113m	13.5 U	32	9.8	3030	1.00 - 4.50
5B-00254	20324	Cm-243/244	0.0015 U J	0.021	0.0056	0.0443	1.00 - 4.50
5B-00254	20324	Cm-245/246	-0.002 U J	0.014	0.0029	0.0401	1.00 - 4.50
5B-00254	20324	Cm-247/248	0.003 U J	0.0041	0.0021	0.0306	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00254	20324	Co-60	-0.002 U	0.014	0.0041	0.028	1.00 - 4.50
5B-00254	20324	Cs-134	0.0097 U	0.035	0.0026	0.0864	1.00 - 4.50
5B-00254	20324	Cs-137	-0.004 U	0.013	0.0039	0.207	1.00 - 4.50
5B-00254	20324	Eu-152	0.014 U	0.031	0.0091	0.0566	1.00 - 4.50
5B-00254	20324	Eu-154	0.001 U	0.067	0.02	0.15	1.00 - 4.50
5B-00254	20324	Eu-155	0.065 SK	0.032	0.014	0.231	1.00 - 4.50
5B-00254	20324	Ho-166m	0.0096 SK	0.019	0.0063	0.0432	1.00 - 4.50
5B-00254	20324	K-40	19.4	0.14	0.65	32.4	1.00 - 4.50
5B-00254	20324	Na-22	0.0007 U	0.02	0.0061	0.037	1.00 - 4.50
5B-00254	20324	Nb-94	0.0068 SK	0.0088	0.0024	0.0214	1.00 - 4.50
5B-00254	20324	Np-236	0.0003 U	0.022	0.0066	0.047	1.00 - 4.50
5B-00254	20324	Np-239	-0.002 U	0.075	0.023	0.139	1.00 - 4.50
5B-00254	20324	Pa-231	0.08 U	0.48	0.14	0.936	1.00 - 4.50
5B-00254	20324	Pb-212	1.52	0.02	0.08	2.69	1.00 - 4.50
5B-00254	20324	Pb-214	0.99	0.023	0.037	1.7	1.00 - 4.50
5B-00254	20324	Pu-236	-0.002 U	0.0077	0.0011	7.79	1.00 - 4.50
5B-00254	20324	Pu-238	0.0007 U	0.0061	0.0014	0.0415	1.00 - 4.50
5B-00254	20324	Pu-239/240	0.0012 U	0.005	0.0013	0.0404	1.00 - 4.50
5B-00254	20324	Pu-244	0.0037	0.005	0.002	0.0313	1.00 - 4.50
5B-00254	20324	Sb-125	0.146 SK	0.032	0.01	0.354	1.00 - 4.50
5B-00254	20324	Sn-126	0.0001 U	0.012	0.0036	0.0237	1.00 - 4.50
5B-00254	20324	Sr-90	0.008 U	0.031	0.0093	0.485	1.00 - 4.50
5B-00254	20324	Te-125m	0.0338 SK	0.0074	0.0023	0.0838	1.00 - 4.50
5B-00254	20324	Th-228	1.29	0.021	0.065	3.98	1.00 - 4.50
5B-00254	20324	Th-229	0.0079	0.01	0.0038	0.145	1.00 - 4.50
5B-00254	20324	Th-230	0.961	0.009	0.051	2.2	1.00 - 4.50
5B-00254	20324	Th-232	1.22	0.007	0.062	3.1	1.00 - 4.50
5B-00254	20324	Th-234	0.515 R	0.13	0.047	3.19	1.00 - 4.50
5B-00254	20324	Tl-208	0.465	0.014	0.018	0.937	1.00 - 4.50
5B-00254	20324	Tm-171	-4.6 R U J	4.4	1.4	72.4	1.00 - 4.50
5B-00254	20324	U-233/234	0.798	0.008	0.045	2.02	1.00 - 4.50
5B-00254	20324	U-235/236	0.0284	0.015	0.0074	0.151	1.00 - 4.50
5B-00254	20324	U-238	0.779	0.003	0.044	1.8	1.00 - 4.50
5B-00254	20325	Ac-227	0.09	0.1	0.02	0.217	0.00 - 0.50
5B-00254	20325	Ac-228	1.25	0.067	0.043	2.4	0.00 - 0.50
5B-00254	20325	Am-241	0.0019 U	0.0026	0.0014	0.0454	0.00 - 0.50
5B-00254	20325	Bi-212	1.03	0.11	0.07	2.15	0.00 - 0.50
5B-00254	20325	Bi-214	0.97	0.021	0.036	1.59	0.00 - 0.50
5B-00254	20325	Cd-113m	12 U	35	11	3030	0.00 - 0.50
5B-00254	20325	Cm-243/244	0 U	0.0026	0.0011	0.0443	0.00 - 0.50
5B-00254	20325	Cm-245/246	0.0052	0.0035	0.0026	0.0401	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00254	20325	Cm-247/248	0.0026 U	0.0035	0.0018	0.0306	0.00 - 0.50
5B-00254	20325	Co-60	-0.002 U	0.015	0.0044	0.028	0.00 - 0.50
5B-00254	20325	Cs-134	0.011 U	0.047	0.0034	0.0864	0.00 - 0.50
5B-00254	20325	Cs-137	0.0047 U	0.013	0.0041	0.207	0.00 - 0.50
5B-00254	20325	Eu-152	-0.011 U	0.034	0.01	0.0566	0.00 - 0.50
5B-00254	20325	Eu-154	-0.034 U	0.086	0.026	0.15	0.00 - 0.50
5B-00254	20325	Eu-155	0.096 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00254	20325	Ho-166m	0.003 U	0.02	0.0027	0.0432	0.00 - 0.50
5B-00254	20325	K-40	21.8	0.14	0.72	32.4	0.00 - 0.50
5B-00254	20325	Na-22	0.0058 U	0.019	0.0058	0.037	0.00 - 0.50
5B-00254	20325	Nb-94	0.0138 SK	0.0082	0.0036	0.0214	0.00 - 0.50
5B-00254	20325	Np-236	-0.007 U	0.029	0.0086	0.047	0.00 - 0.50
5B-00254	20325	Np-239	0.005 U	0.078	0.024	0.139	0.00 - 0.50
5B-00254	20325	Pa-231	0.29	0.4	0.16	0.936	0.00 - 0.50
5B-00254	20325	Pb-212	1.58	0.02	0.083	2.69	0.00 - 0.50
5B-00254	20325	Pb-214	1.11	0.024	0.042	1.7	0.00 - 0.50
5B-00254	20325	Pu-236	0.0006 U	0.0052	0.0012	7.79	0.00 - 0.50
5B-00254	20325	Pu-238	-0.001 U	0.0076	0.0016	0.0415	0.00 - 0.50
5B-00254	20325	Pu-239/240	0.0017	0.0043	0.0013	0.0404	0.00 - 0.50
5B-00254	20325	Pu-244	0.0009 U	0.0059	0.0015	0.0313	0.00 - 0.50
5B-00254	20325	Sb-125	0.13 JSK	0.036	0.0099	0.354	0.00 - 0.50
5B-00254	20325	Sn-126	0.0005 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00254	20325	Sr-90	-0.004 U	0.033	0.0096	0.485	0.00 - 0.50
5B-00254	20325	Te-125m	0.03 JSK	0.0083	0.0023	0.0838	0.00 - 0.50
5B-00254	20325	Th-228	1.34	0.02	0.068	3.98	0.00 - 0.50
5B-00254	20325	Th-229	0.0057	0.01	0.0034	0.145	0.00 - 0.50
5B-00254	20325	Th-230	0.967	0.01	0.052	2.2	0.00 - 0.50
5B-00254	20325	Th-232	1.25	0.008	0.064	3.1	0.00 - 0.50
5B-00254	20325	Th-234	1.61 R	0.14	0.09	3.19	0.00 - 0.50
5B-00254	20325	Tl-208	0.479	0.016	0.019	0.937	0.00 - 0.50
5B-00254	20325	Tm-171	1 U	4	1.2	72.4	0.00 - 0.50
5B-00254	20325	U-233/234	0.938	0.008	0.051	2.02	0.00 - 0.50
5B-00254	20325	U-235/236	0.053	0.011	0.0092	0.151	0.00 - 0.50
5B-00254	20325	U-238	0.915	0.012	0.05	1.8	0.00 - 0.50
5B-00257	20328	Ac-227	0.022 U	0.12	0.032	0.217	0.00 - 0.50
5B-00257	20328	Ac-228	1.18	0.068	0.042	2.4	0.00 - 0.50
5B-00257	20328	Am-241	-0.001 U	0.011	0.0022	0.0454	0.00 - 0.50
5B-00257	20328	Bi-212	0.901	0.095	0.057	2.15	0.00 - 0.50
5B-00257	20328	Bi-214	0.912	0.022	0.034	1.59	0.00 - 0.50
5B-00257	20328	Cd-113m	10 U	34	10	3030	0.00 - 0.50
5B-00257	20328	Cm-243/244	-0.001 U	0.0085	0.0013	0.0443	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00257	20328	Cm-245/246	0.0009 U J	0.0023	0.0009	0.0401	0.00 - 0.50
5B-00257	20328	Cm-247/248	0.0008 U	0.0061	0.0015	0.0306	0.00 - 0.50
5B-00257	20328	Co-60	-0.001 U	0.015	0.0045	0.028	0.00 - 0.50
5B-00257	20328	Cs-134	0.0089 U	0.047	0.0024	0.0864	0.00 - 0.50
5B-00257	20328	Cs-137	0.0378	0.01	0.0052	0.207	0.00 - 0.50
5B-00257	20328	Eu-152	-0.01 U	0.032	0.0098	0.0566	0.00 - 0.50
5B-00257	20328	Eu-154	0.055	0.066	0.02	0.15	0.00 - 0.50
5B-00257	20328	Eu-155	0.084 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00257	20328	Ho-166m	0.0357 SK	0.019	0.0047	0.0432	0.00 - 0.50
5B-00257	20328	K-40	20.8	0.12	0.69	32.4	0.00 - 0.50
5B-00257	20328	Na-22	0 U	0.015	0.0045	0.037	0.00 - 0.50
5B-00257	20328	Nb-94	0.003 U	0.011	0.0024	0.0214	0.00 - 0.50
5B-00257	20328	Np-236	-0.007 U	0.026	0.0079	0.047	0.00 - 0.50
5B-00257	20328	Np-239	0.002 U	0.077	0.023	0.139	0.00 - 0.50
5B-00257	20328	Pa-231	-0.06 U	0.5	0.15	0.936	0.00 - 0.50
5B-00257	20328	Pb-212	1.51	0.021	0.08	2.69	0.00 - 0.50
5B-00257	20328	Pb-214	0.993	0.022	0.037	1.7	0.00 - 0.50
5B-00257	20328	Pu-236	-0.002 U	0.012	0.0027	7.79	0.00 - 0.50
5B-00257	20328	Pu-238	-2E-04 U	0.0059	0.0011	0.0415	0.00 - 0.50
5B-00257	20328	Pu-239/240	0.0016	0.0022	0.0012	0.0404	0.00 - 0.50
5B-00257	20328	Pu-244	0.0041	0.0022	0.0018	0.0313	0.00 - 0.50
5B-00257	20328	Sb-125	0.108 SK	0.035	0.0077	0.354	0.00 - 0.50
5B-00257	20328	Sn-126	0.0016 U	0.013	0.0038	0.0237	0.00 - 0.50
5B-00257	20328	Sr-90	-0.004 U	0.05	0.014	0.485	0.00 - 0.50
5B-00257	20328	Te-125m	0.0249 SK	0.008	0.0018	0.0838	0.00 - 0.50
5B-00257	20328	Th-228	1.13	0.019	0.059	3.98	0.00 - 0.50
5B-00257	20328	Th-229	0.0083	0.0085	0.0034	0.145	0.00 - 0.50
5B-00257	20328	Th-230	0.821	0.008	0.046	2.2	0.00 - 0.50
5B-00257	20328	Th-232	1.09	0.01	0.057	3.1	0.00 - 0.50
5B-00257	20328	Th-234	1.3	0.13	0.078	3.19	0.00 - 0.50
5B-00257	20328	Tl-208	0.456	0.015	0.018	0.937	0.00 - 0.50
5B-00257	20328	Tm-171	-1.6 U	5.3	1.6	72.4	0.00 - 0.50
5B-00257	20328	U-233/234	0.725	0.015	0.044	2.02	0.00 - 0.50
5B-00257	20328	U-235/236	0.0291	0.0046	0.0072	0.151	0.00 - 0.50
5B-00257	20328	U-238	0.737	0.01	0.044	1.8	0.00 - 0.50
5B-00302	20329	Ac-227	0.015 U	0.13	0.043	0.217	0.00 - 0.50
5B-00302	20329	Ac-228	1.1	0.072	0.038	2.4	0.00 - 0.50
5B-00302	20329	Am-241	0.0024 U	0.0086	0.0025	0.0454	0.00 - 0.50
5B-00302	20329	Bi-212	0.957	0.12	0.073	2.15	0.00 - 0.50
5B-00302	20329	Bi-214	0.69	0.025	0.026	1.59	0.00 - 0.50
5B-00302	20329	Cd-113m	5.1 U	32	9.5	3030	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00302	20329	Cm-243/244	0.0008 U	0.0057	0.0014	0.0443	0.00 - 0.50
5B-00302	20329	Cm-245/246	0.0039 J	0.0027	0.002	0.0401	0.00 - 0.50
5B-00302	20329	Cm-247/248	0 U	0.0026	0.0011	0.0306	0.00 - 0.50
5B-00302	20329	Co-60	-0.009 U	0.017	0.0052	0.028	0.00 - 0.50
5B-00302	20329	Cs-134	0.0094 U	0.028	0.0034	0.0864	0.00 - 0.50
5B-00302	20329	Cs-137	0.0358	0.017	0.0072	0.207	0.00 - 0.50
5B-00302	20329	Eu-152	0.006 U	0.035	0.015	0.0566	0.00 - 0.50
5B-00302	20329	Eu-154	0.005 U	0.094	0.014	0.15	0.00 - 0.50
5B-00302	20329	Eu-155	0.054 SK	0.03	0.011	0.231	0.00 - 0.50
5B-00302	20329	Ho-166m	0.0072 U	0.021	0.0085	0.0432	0.00 - 0.50
5B-00302	20329	K-40	16.8	0.12	0.51	32.4	0.00 - 0.50
5B-00302	20329	Na-22	0 U	0.022	0.0051	0.037	0.00 - 0.50
5B-00302	20329	Nb-94	0.0045 U	0.012	0.0037	0.0214	0.00 - 0.50
5B-00302	20329	Np-236	0.0001 U	0.023	0.0069	0.047	0.00 - 0.50
5B-00302	20329	Np-239	-6E-04 U	0.074	0.022	0.139	0.00 - 0.50
5B-00302	20329	Pa-231	0.05 U	0.41	0.12	0.936	0.00 - 0.50
5B-00302	20329	Pb-212	1.46	0.021	0.059	2.69	0.00 - 0.50
5B-00302	20329	Pb-214	0.792	0.026	0.029	1.7	0.00 - 0.50
5B-00302	20329	Pu-236	0.0009 U	0.0025	0.0009	7.79	0.00 - 0.50
5B-00302	20329	Pu-238	-0.001 U	0.0067	0.0009	0.0415	0.00 - 0.50
5B-00302	20329	Pu-239/240	0.0002 U	0.0077	0.0017	0.0404	0.00 - 0.50
5B-00302	20329	Pu-244	0.0028	0.0025	0.0016	0.0313	0.00 - 0.50
5B-00302	20329	Sb-125	0.107 SK	0.032	0.0087	0.354	0.00 - 0.50
5B-00302	20329	Sn-126	0.004 U	0.015	0.0044	0.0237	0.00 - 0.50
5B-00302	20329	Sr-90	-0.007 U	0.038	0.011	0.485	0.00 - 0.50
5B-00302	20329	Te-125m	0.0246 SK	0.0073	0.002	0.0838	0.00 - 0.50
5B-00302	20329	Th-228	1.29	0.012	0.068	3.98	0.00 - 0.50
5B-00302	20329	Th-229	0.0126	0.0034	0.004	0.145	0.00 - 0.50
5B-00302	20329	Th-230	0.77	0.01	0.045	2.2	0.00 - 0.50
5B-00302	20329	Th-232	1.23	0.003	0.065	3.1	0.00 - 0.50
5B-00302	20329	Th-234	0.31	0.14	0.045	3.19	0.00 - 0.50
5B-00302	20329	Tl-208	0.454	0.016	0.017	0.937	0.00 - 0.50
5B-00302	20329	Tm-171	2.1 U	5.2	1.6	72.4	0.00 - 0.50
5B-00302	20329	U-233/234	0.753	0.008	0.043	2.02	0.00 - 0.50
5B-00302	20329	U-235/236	0.0365	0.01	0.0076	0.151	0.00 - 0.50
5B-00302	20329	U-238	0.696	0.008	0.041	1.8	0.00 - 0.50
5B-00303	20330	Ac-227	0.03 U	0.13	0.02	0.217	0.00 - 0.50
5B-00303	20330	Ac-228	1.02	0.092	0.059	2.4	0.00 - 0.50
5B-00303	20330	Am-241	-8E-04 U	0.0075	0.0015	0.0454	0.00 - 0.50
5B-00303	20330	Bi-212	0.974	0.12	0.07	2.15	0.00 - 0.50
5B-00303	20330	Bi-214	0.762	0.023	0.028	1.59	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00303	20330	Cd-113m	4 U	39	12	3030	0.00 - 0.50
5B-00303	20330	Cm-243/244	-0.002 U	0.0074	0.0013	0.0443	0.00 - 0.50
5B-00303	20330	Cm-245/246	0 U J	0.0079	0.0016	0.0401	0.00 - 0.50
5B-00303	20330	Cm-247/248	0 U	0.0078	0.0016	0.0306	0.00 - 0.50
5B-00303	20330	Co-60	0.002 U	0.019	0.0057	0.028	0.00 - 0.50
5B-00303	20330	Cs-134	0.0058 U	0.017	0.0037	0.0864	0.00 - 0.50
5B-00303	20330	Cs-137	0.0092	0.017	0.006	0.207	0.00 - 0.50
5B-00303	20330	Eu-152	-0.003 U	0.038	0.0043	0.0566	0.00 - 0.50
5B-00303	20330	Eu-154	-0.03 U	0.099	0.03	0.15	0.00 - 0.50
5B-00303	20330	Eu-155	0.079 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00303	20330	Ho-166m	0.0257 SK	0.025	0.0079	0.0432	0.00 - 0.50
5B-00303	20330	K-40	18.2	0.16	0.56	32.4	0.00 - 0.50
5B-00303	20330	Na-22	0.0093 U	0.024	0.0073	0.037	0.00 - 0.50
5B-00303	20330	Nb-94	0.004 U	0.015	0.0044	0.0214	0.00 - 0.50
5B-00303	20330	Np-236	-0.007 U	0.028	0.0085	0.047	0.00 - 0.50
5B-00303	20330	Np-239	-0.012 U	0.085	0.026	0.139	0.00 - 0.50
5B-00303	20330	Pa-231	0.09 U	0.55	0.16	0.936	0.00 - 0.50
5B-00303	20330	Pb-212	1.56	0.023	0.063	2.69	0.00 - 0.50
5B-00303	20330	Pb-214	0.851	0.025	0.03	1.7	0.00 - 0.50
5B-00303	20330	Pu-236	-5E-04 U	0.0053	0.0006	7.79	0.00 - 0.50
5B-00303	20330	Pu-238	0.0025	0.0065	0.002	0.0415	0.00 - 0.50
5B-00303	20330	Pu-239/240	-5E-04 U	0.0053	0.0006	0.0404	0.00 - 0.50
5B-00303	20330	Pu-244	0 U	0.0024	0.0008	0.0313	0.00 - 0.50
5B-00303	20330	Sb-125	0.0039 U	0.032	0.0097	0.354	0.00 - 0.50
5B-00303	20330	Sn-126	-0.001 U	0.016	0.0047	0.0237	0.00 - 0.50
5B-00303	20330	Sr-90	0.011 U	0.043	0.013	0.485	0.00 - 0.50
5B-00303	20330	Te-125m	0.0009 U	0.0075	0.0022	0.0838	0.00 - 0.50
5B-00303	20330	Th-228	1.3	0.019	0.067	3.98	0.00 - 0.50
5B-00303	20330	Th-229	0.0011 U	0.008	0.002	0.145	0.00 - 0.50
5B-00303	20330	Th-230	0.754	0.011	0.043	2.2	0.00 - 0.50
5B-00303	20330	Th-232	1.26	0.011	0.065	3.1	0.00 - 0.50
5B-00303	20330	Th-234	0.494	0.15	0.05	3.19	0.00 - 0.50
5B-00303	20330	Tl-208	0.494	0.017	0.018	0.937	0.00 - 0.50
5B-00303	20330	Tm-171	-0.9 U	5.6	1.7	72.4	0.00 - 0.50
5B-00303	20330	U-233/234	0.751	0.002	0.041	2.02	0.00 - 0.50
5B-00303	20330	U-235/236	0.0401	0.0029	0.0068	0.151	0.00 - 0.50
5B-00303	20330	U-238	0.736	0.006	0.04	1.8	0.00 - 0.50
5B-00144	20331	Ac-227	0.05 U	0.14	0.053	0.217	0.00 - 0.50
5B-00144	20331	Ac-228	1.12	0.091	0.04	2.4	0.00 - 0.50
5B-00144	20331	Am-241	0.0018 U	0.0025	0.0013	0.0454	0.00 - 0.50
5B-00144	20331	Bi-212	0.888	0.12	0.068	2.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00144	20331	Bi-214	0.811	0.024	0.029	1.59	0.00 - 0.50
5B-00144	20331	Cd-113m	7 U	39	12	3030	0.00 - 0.50
5B-00144	20331	Cm-243/244	-0.002 U	0.0097	0.002	0.0443	0.00 - 0.50
5B-00144	20331	Cm-245/246	0.0023	0.0015	0.0011	0.0401	0.00 - 0.50
5B-00144	20331	Cm-247/248	0 U	0.0041	0.0008	0.0306	0.00 - 0.50
5B-00144	20331	Co-60	0.0022 U	0.019	0.0031	0.028	0.00 - 0.50
5B-00144	20331	Cs-134	0.0175 U	0.049	0.0046	0.0864	0.00 - 0.50
5B-00144	20331	Cs-137	0.0292	0.011	0.0048	0.207	0.00 - 0.50
5B-00144	20331	Eu-152	-0.011 U	0.038	0.011	0.0566	0.00 - 0.50
5B-00144	20331	Eu-154	0.021 U	0.081	0.023	0.15	0.00 - 0.50
5B-00144	20331	Eu-155	0.08 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00144	20331	Ho-166m	0.0242 SK	0.023	0.0037	0.0432	0.00 - 0.50
5B-00144	20331	K-40	20.9	0.13	0.63	32.4	0.00 - 0.50
5B-00144	20331	Na-22	-5E-04 U	0.023	0.0067	0.037	0.00 - 0.50
5B-00144	20331	Nb-94	-4E-04 U	0.013	0.0038	0.0214	0.00 - 0.50
5B-00144	20331	Np-236	0.0072 U	0.03	0.0089	0.047	0.00 - 0.50
5B-00144	20331	Np-239	0.023 U	0.083	0.025	0.139	0.00 - 0.50
5B-00144	20331	Pa-231	-0.07 U	0.51	0.15	0.936	0.00 - 0.50
5B-00144	20331	Pb-212	1.49	0.022	0.06	2.69	0.00 - 0.50
5B-00144	20331	Pb-214	0.916	0.025	0.032	1.7	0.00 - 0.50
5B-00144	20331	Pu-236	-0.001 U	0.0065	0.0012	7.79	0.00 - 0.50
5B-00144	20331	Pu-238	0.0072	0.0059	0.0026	0.0415	0.00 - 0.50
5B-00144	20331	Pu-239/240	0.0024	0.0042	0.0015	0.0404	0.00 - 0.50
5B-00144	20331	Pu-244	0.0014	0.0019	0.001	0.0313	0.00 - 0.50
5B-00144	20331	Sb-125	0.0214 JSK	0.027	0.0091	0.354	0.00 - 0.50
5B-00144	20331	Sn-126	-0.001 U	0.016	0.0048	0.0237	0.00 - 0.50
5B-00144	20331	Sr-90	0.0073 U	0.031	0.0093	0.485	0.00 - 0.50
5B-00144	20331	Te-125m	0.0049 JSK	0.0063	0.0021	0.0838	0.00 - 0.50
5B-00144	20331	Th-228	1.21	0.02	0.061	3.98	0.00 - 0.50
5B-00144	20331	Th-229	0.0104	0.012	0.0045	0.145	0.00 - 0.50
5B-00144	20331	Th-230	0.777	0.007	0.042	2.2	0.00 - 0.50
5B-00144	20331	Th-232	1.19	0.007	0.06	3.1	0.00 - 0.50
5B-00144	20331	Th-234	1.28 R	0.14	0.077	3.19	0.00 - 0.50
5B-00144	20331	Tl-208	0.454	0.016	0.017	0.937	0.00 - 0.50
5B-00144	20331	Tm-171	-3.2 L U J	5	1.5	72.4	0.00 - 0.50
5B-00144	20331	U-233/234	0.796	0.003	0.044	2.02	0.00 - 0.50
5B-00144	20331	U-235/236	0.0336	0.0095	0.007	0.151	0.00 - 0.50
5B-00144	20331	U-238	0.693	0.01	0.04	1.8	0.00 - 0.50
5B-00145	20332	Ac-227	0.016 U	0.11	0.026	0.217	1.00 - 5.00
5B-00145	20332	Ac-228	1.26	0.057	0.043	2.4	1.00 - 5.00
5B-00145	20332	Am-241	0.0017 U	0.0063	0.0018	0.0454	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00145	20332	Bi-212	0.964	0.1	0.065	2.15	1.00 - 5.00
5B-00145	20332	Bi-214	0.911	0.019	0.034	1.59	1.00 - 5.00
5B-00145	20332	Cd-113m	6.3 U	31	9.4	3030	1.00 - 5.00
5B-00145	20332	Cm-243/244	-8E-04 U	0.013	0.0032	0.0443	1.00 - 5.00
5B-00145	20332	Cm-245/246	0.0013 U J	0.0036	0.0013	0.0401	1.00 - 5.00
5B-00145	20332	Cm-247/248	0 U	0.0036	0.0015	0.0306	1.00 - 5.00
5B-00145	20332	Co-60	0.0002 U	0.013	0.0039	0.028	1.00 - 5.00
5B-00145	20332	Cs-134	0.0123 U	0.038	0.0033	0.0864	1.00 - 5.00
5B-00145	20332	Cs-137	-0.003 U	0.011	0.0034	0.207	1.00 - 5.00
5B-00145	20332	Eu-152	0.0052 U	0.029	0.0031	0.0566	1.00 - 5.00
5B-00145	20332	Eu-154	0.0137 U	0.064	0.0069	0.15	1.00 - 5.00
5B-00145	20332	Eu-155	0.082 SK	0.029	0.013	0.231	1.00 - 5.00
5B-00145	20332	Ho-166m	0.0025 U	0.018	0.0016	0.0432	1.00 - 5.00
5B-00145	20332	K-40	21.2	0.1	0.7	32.4	1.00 - 5.00
5B-00145	20332	Na-22	0.0077 KR	0.014	0.0043	0.037	1.00 - 5.00
5B-00145	20332	Nb-94	-2E-04 U	0.01	0.003	0.0214	1.00 - 5.00
5B-00145	20332	Np-236	0.0005 U	0.025	0.0076	0.047	1.00 - 5.00
5B-00145	20332	Np-239	0.015 U	0.069	0.021	0.139	1.00 - 5.00
5B-00145	20332	Pa-231	0.16 U	0.44	0.13	0.936	1.00 - 5.00
5B-00145	20332	Pb-212	1.6	0.019	0.084	2.69	1.00 - 5.00
5B-00145	20332	Pb-214	1.04	0.02	0.039	1.7	1.00 - 5.00
5B-00145	20332	Pu-236	-5E-04 U	0.0045	0.0005	7.79	1.00 - 5.00
5B-00145	20332	Pu-238	0.003	0.0021	0.0015	0.0415	1.00 - 5.00
5B-00145	20332	Pu-239/240	0 U	0.0021	0.0007	0.0404	1.00 - 5.00
5B-00145	20332	Pu-244	0.0023	0.002	0.0013	0.0313	1.00 - 5.00
5B-00145	20332	Sb-125	0.155 JSK	0.032	0.01	0.354	1.00 - 5.00
5B-00145	20332	Sn-126	0.0057	0.01	0.003	0.0237	1.00 - 5.00
5B-00145	20332	Sr-90	-0.009 U	0.035	0.0099	0.485	1.00 - 5.00
5B-00145	20332	Te-125m	0.0358 JSK	0.0074	0.0023	0.0838	1.00 - 5.00
5B-00145	20332	Th-228	1.29	0.018	0.065	3.98	1.00 - 5.00
5B-00145	20332	Th-229	0.0059	0.011	0.0037	0.145	1.00 - 5.00
5B-00145	20332	Th-230	0.979	0.007	0.051	2.2	1.00 - 5.00
5B-00145	20332	Th-232	1.22	0.007	0.062	3.1	1.00 - 5.00
5B-00145	20332	Th-234	1.41 R	0.12	0.079	3.19	1.00 - 5.00
5B-00145	20332	Tl-208	0.459	0.014	0.018	0.937	1.00 - 5.00
5B-00145	20332	Tm-171	-3.8 L U J	4.7	1.4	72.4	1.00 - 5.00
5B-00145	20332	U-233/234	0.829	0.012	0.046	2.02	1.00 - 5.00
5B-00145	20332	U-235/236	0.0468	0.012	0.0086	0.151	1.00 - 5.00
5B-00145	20332	U-238	0.805	0.01	0.045	1.8	1.00 - 5.00
5B-00146	20333	Ac-227	0.062 U	0.14	0.042	0.217	1.00 - 5.00
5B-00146	20333	Ac-228	1.19	0.078	0.04	2.4	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00146	20333	Am-241	0.0012 U	0.0016	0.0008	0.0454	1.00 - 5.00
5B-00146	20333	Bi-212	0.937	0.14	0.083	2.15	1.00 - 5.00
5B-00146	20333	Bi-214	0.942	0.027	0.034	1.59	1.00 - 5.00
5B-00146	20333	Cd-113m	-3 U	40	12	3030	1.00 - 5.00
5B-00146	20333	Cm-243/244	0.0006 U J	0.0016	0.0006	0.0443	1.00 - 5.00
5B-00146	20333	Cm-245/246	0.0009 U J	0.0067	0.0016	0.0401	1.00 - 5.00
5B-00146	20333	Cm-247/248	0.0009 U J	0.0024	0.0009	0.0306	1.00 - 5.00
5B-00146	20333	Co-60	-0.003 U	0.019	0.0058	0.028	1.00 - 5.00
5B-00146	20333	Cs-134	-0.002 U	0.05	0.0064	0.0864	1.00 - 5.00
5B-00146	20333	Cs-137	0.0011 U	0.015	0.0046	0.207	1.00 - 5.00
5B-00146	20333	Eu-152	0.0147 U	0.038	0.0092	0.0566	1.00 - 5.00
5B-00146	20333	Eu-154	0.013 U	0.1	0.016	0.15	1.00 - 5.00
5B-00146	20333	Eu-155	0.074 SK	0.033	0.014	0.231	1.00 - 5.00
5B-00146	20333	Ho-166m	0.0067 U	0.026	0.0084	0.0432	1.00 - 5.00
5B-00146	20333	K-40	19.8	0.15	0.6	32.4	1.00 - 5.00
5B-00146	20333	Na-22	-0.008 U	0.024	0.0073	0.037	1.00 - 5.00
5B-00146	20333	Nb-94	0.004 U	0.014	0.0042	0.0214	1.00 - 5.00
5B-00146	20333	Np-236	0.0042 U	0.03	0.009	0.047	1.00 - 5.00
5B-00146	20333	Np-239	-0.035 U	0.08	0.024	0.139	1.00 - 5.00
5B-00146	20333	Pa-231	-0.03 U J	0.43	0.13	0.936	1.00 - 5.00
5B-00146	20333	Pb-212	1.53	0.021	0.062	2.69	1.00 - 5.00
5B-00146	20333	Pb-214	1.03	0.022	0.034	1.7	1.00 - 5.00
5B-00146	20333	Pu-236	0.0018	0.0024	0.0013	7.79	1.00 - 5.00
5B-00146	20333	Pu-238	-7E-04 U	0.0074	0.0014	0.0415	1.00 - 5.00
5B-00146	20333	Pu-239/240	-0.001 U	0.0065	0.0009	0.0404	1.00 - 5.00
5B-00146	20333	Pu-244	0.0018	0.0024	0.0013	0.0313	1.00 - 5.00
5B-00146	20333	Sb-125	0.136 SK	0.033	0.011	0.354	1.00 - 5.00
5B-00146	20333	Sn-126	0.0048 U	0.015	0.0046	0.0237	1.00 - 5.00
5B-00146	20333	Sr-90	-0.001 U	0.049	0.014	0.485	1.00 - 5.00
5B-00146	20333	Te-125m	0.0313 SK	0.0076	0.0026	0.0838	1.00 - 5.00
5B-00146	20333	Th-228	1.23	0.009	0.065	3.98	1.00 - 5.00
5B-00146	20333	Th-229	0.0094	0.0087	0.0038	0.145	1.00 - 5.00
5B-00146	20333	Th-230	0.909	0.009	0.051	2.2	1.00 - 5.00
5B-00146	20333	Th-232	1.12	0.003	0.06	3.1	1.00 - 5.00
5B-00146	20333	Th-234	1.46 R	0.14	0.08	3.19	1.00 - 5.00
5B-00146	20333	Tl-208	0.441	0.017	0.017	0.937	1.00 - 5.00
5B-00146	20333	Tm-171	0.005 U J	5.4	1.6	72.4	1.00 - 5.00
5B-00146	20333	U-233/234	0.865	0.005	0.044	2.02	1.00 - 5.00
5B-00146	20333	U-235/236	0.0514	0.0024	0.0071	0.151	1.00 - 5.00
5B-00146	20333	U-238	0.865	0.005	0.044	1.8	1.00 - 5.00
5B-00147	20334	Ac-227	0.028 U	0.13	0.039	0.217	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00147	20334	Ac-228	1.07	0.078	0.039	2.4	0.00 - 0.50
5B-00147	20334	Am-241	0.0045	0.0083	0.0028	0.0454	0.00 - 0.50
5B-00147	20334	Bi-212	0.862	0.13	0.072	2.15	0.00 - 0.50
5B-00147	20334	Bi-214	0.8	0.025	0.029	1.59	0.00 - 0.50
5B-00147	20334	Cd-113m	0.5 U	38	11	3030	0.00 - 0.50
5B-00147	20334	Cm-243/244	0.0026	0.0064	0.002	0.0443	0.00 - 0.50
5B-00147	20334	Cm-245/246	0.0006 U	0.0015	0.0006	0.0401	0.00 - 0.50
5B-00147	20334	Cm-247/248	0.0022	0.0015	0.0011	0.0306	0.00 - 0.50
5B-00147	20334	Co-60	0.0038 U	0.018	0.0033	0.028	0.00 - 0.50
5B-00147	20334	Cs-134	0.0016 U	0.03	0.0029	0.0864	0.00 - 0.50
5B-00147	20334	Cs-137	0.0339	0.016	0.006	0.207	0.00 - 0.50
5B-00147	20334	Eu-152	-0.007 U	0.035	0.01	0.0566	0.00 - 0.50
5B-00147	20334	Eu-154	0.01 U	0.1	0.011	0.15	0.00 - 0.50
5B-00147	20334	Eu-155	0.07 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00147	20334	Ho-166m	0.0051 U	0.024	0.0044	0.0432	0.00 - 0.50
5B-00147	20334	K-40	18.3	0.14	0.56	32.4	0.00 - 0.50
5B-00147	20334	Na-22	0.0072 U	0.022	0.0067	0.037	0.00 - 0.50
5B-00147	20334	Nb-94	0.0042 U	0.014	0.0029	0.0214	0.00 - 0.50
5B-00147	20334	Np-236	-0.003 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00147	20334	Np-239	0.024 U	0.082	0.025	0.139	0.00 - 0.50
5B-00147	20334	Pa-231	0.21 U	0.54	0.1	0.936	0.00 - 0.50
5B-00147	20334	Pb-212	1.44	0.022	0.059	2.69	0.00 - 0.50
5B-00147	20334	Pb-214	0.876	0.023	0.03	1.7	0.00 - 0.50
5B-00147	20334	Pu-236	0 U	0.0021	0.0007	7.79	0.00 - 0.50
5B-00147	20334	Pu-238	0.0008 U	0.0021	0.0008	0.0415	0.00 - 0.50
5B-00147	20334	Pu-239/240	0.0016	0.0021	0.0011	0.0404	0.00 - 0.50
5B-00147	20334	Pu-244	0.0039	0.0021	0.0017	0.0313	0.00 - 0.50
5B-00147	20334	Sb-125	0.128 SK	0.041	0.01	0.354	0.00 - 0.50
5B-00147	20334	Sn-126	-0.002 U	0.015	0.0046	0.0237	0.00 - 0.50
5B-00147	20334	Sr-90	0.017 U	0.041	0.012	0.485	0.00 - 0.50
5B-00147	20334	Te-125m	0.0295 SK	0.0095	0.0024	0.0838	0.00 - 0.50
5B-00147	20334	Th-228	1.15	0.015	0.059	3.98	0.00 - 0.50
5B-00147	20334	Th-229	0.007	0.0074	0.0031	0.145	0.00 - 0.50
5B-00147	20334	Th-230	0.803	0.002	0.043	2.2	0.00 - 0.50
5B-00147	20334	Th-232	1.11	0.002	0.057	3.1	0.00 - 0.50
5B-00147	20334	Th-234	0.591 R	0.14	0.049	3.19	0.00 - 0.50
5B-00147	20334	Tl-208	0.424	0.017	0.016	0.937	0.00 - 0.50
5B-00147	20334	Tm-171	0.05 U	5.5	1.7	72.4	0.00 - 0.50
5B-00147	20334	U-233/234	0.57	0.013	0.036	2.02	0.00 - 0.50
5B-00147	20334	U-235/236	0.0344	0.004	0.0073	0.151	0.00 - 0.50
5B-00147	20334	U-238	0.516	0.011	0.033	1.8	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00148	20335	Ac-227	0.328 RZ	0.11	0.018	0.217	1.00 - 5.00
5B-00148	20335	Ac-228	1.16	0.058	0.04	2.4	1.00 - 5.00
5B-00148	20335	Am-241	0.0039	0.0027	0.002	0.0454	1.00 - 5.00
5B-00148	20335	Bi-212	0.909	0.088	0.057	2.15	1.00 - 5.00
5B-00148	20335	Bi-214	0.616	0.021	0.025	1.59	1.00 - 5.00
5B-00148	20335	Cd-113m	6.6 U	29	8.8	3030	1.00 - 5.00
5B-00148	20335	Cm-243/244	0.001 U	0.009	0.0023	0.0443	1.00 - 5.00
5B-00148	20335	Cm-245/246	0 U J	0.0066	0.0013	0.0401	1.00 - 5.00
5B-00148	20335	Cm-247/248	0 U	0.0024	0.001	0.0306	1.00 - 5.00
5B-00148	20335	Co-60	0.0095	0.013	0.0032	0.028	1.00 - 5.00
5B-00148	20335	Cs-134	0.0134 U J	0.035	0.0043	0.0864	1.00 - 5.00
5B-00148	20335	Cs-137	0.0003 U	0.012	0.0035	0.207	1.00 - 5.00
5B-00148	20335	Eu-152	-0.013 U	0.027	0.0081	0.0566	1.00 - 5.00
5B-00148	20335	Eu-154	0.004 U	0.072	0.013	0.15	1.00 - 5.00
5B-00148	20335	Eu-155	0.061 SK	0.027	0.011	0.231	1.00 - 5.00
5B-00148	20335	Ho-166m	0.0097 SK	0.018	0.0072	0.0432	1.00 - 5.00
5B-00148	20335	K-40	19.5	0.12	0.65	32.4	1.00 - 5.00
5B-00148	20335	Na-22	0.0033 U J	0.016	0.0047	0.037	1.00 - 5.00
5B-00148	20335	Nb-94	0.0034 U	0.0099	0.003	0.0214	1.00 - 5.00
5B-00148	20335	Np-236	0.0032 U	0.022	0.0067	0.047	1.00 - 5.00
5B-00148	20335	Np-239	-0.029 U	0.063	0.019	0.139	1.00 - 5.00
5B-00148	20335	Pa-231	-0.04 U	0.45	0.13	0.936	1.00 - 5.00
5B-00148	20335	Pb-212	1.45	0.018	0.076	2.69	1.00 - 5.00
5B-00148	20335	Pb-214	0.716	0.02	0.027	1.7	1.00 - 5.00
5B-00148	20335	Pu-236	0.0002 U	0.0069	0.0015	7.79	1.00 - 5.00
5B-00148	20335	Pu-238	0.0018 U	0.0069	0.0019	0.0415	1.00 - 5.00
5B-00148	20335	Pu-239/240	0.0012 U	0.0049	0.0013	0.0404	1.00 - 5.00
5B-00148	20335	Pu-244	0 U	0.0022	0.0007	0.0313	1.00 - 5.00
5B-00148	20335	Sb-125	0.137 SK	0.026	0.0089	0.354	1.00 - 5.00
5B-00148	20335	Sn-126	-0.002 U	0.011	0.0034	0.0237	1.00 - 5.00
5B-00148	20335	Sr-90	0.005 U	0.053	0.016	0.485	1.00 - 5.00
5B-00148	20335	Te-125m	0.0315 SK	0.006	0.0021	0.0838	1.00 - 5.00
5B-00148	20335	Th-228	1.32	0.02	0.07	3.98	1.00 - 5.00
5B-00148	20335	Th-229	0.0055	0.008	0.0029	0.145	1.00 - 5.00
5B-00148	20335	Th-230	0.929	0.01	0.053	2.2	1.00 - 5.00
5B-00148	20335	Th-232	1.16	0.01	0.063	3.1	1.00 - 5.00
5B-00148	20335	Th-234	1.36	0.12	0.076	3.19	1.00 - 5.00
5B-00148	20335	Tl-208	0.439	0.013	0.017	0.937	1.00 - 5.00
5B-00148	20335	Tm-171	1.44 U J	3.3	0.998	72.4	1.00 - 5.00
5B-00148	20335	U-233/234	0.81	0.004	0.039	2.02	1.00 - 5.00
5B-00148	20335	U-235/236	0.04	0.0016	0.0052	0.151	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00148	20335	U-238	0.772	0.001	0.038	1.8	1.00 - 5.00
5B-00149	20336	Ac-227	0.021 U	0.11	0.044	0.217	1.00 - 4.50
5B-00149	20336	Ac-228	1.14	0.054	0.039	2.4	1.00 - 4.50
5B-00149	20336	Am-241	0.0027	0.0024	0.0016	0.0454	1.00 - 4.50
5B-00149	20336	Bi-212	0.967	0.094	0.063	2.15	1.00 - 4.50
5B-00149	20336	Bi-214	0.698	0.02	0.027	1.59	1.00 - 4.50
5B-00149	20336	Cd-113m	2.1 U	24	7.1	3030	1.00 - 4.50
5B-00149	20336	Cm-243/244	-9E-04 U	0.0064	0.001	0.0443	1.00 - 4.50
5B-00149	20336	Cm-245/246	0.0023 J	0.0021	0.0013	0.0401	1.00 - 4.50
5B-00149	20336	Cm-247/248	0.0008 U	0.0021	0.0008	0.0306	1.00 - 4.50
5B-00149	20336	Co-60	0.0018 U	0.013	0.0038	0.028	1.00 - 4.50
5B-00149	20336	Cs-134	0.0076 U J	0.03	0.0022	0.0864	1.00 - 4.50
5B-00149	20336	Cs-137	0.0018 U	0.01	0.0031	0.207	1.00 - 4.50
5B-00149	20336	Eu-152	0.0167 J	0.027	0.0094	0.0566	1.00 - 4.50
5B-00149	20336	Eu-154	-0.024 U	0.07	0.021	0.15	1.00 - 4.50
5B-00149	20336	Eu-155	0.066 SK	0.029	0.012	0.231	1.00 - 4.50
5B-00149	20336	Ho-166m	0.0093 SK	0.017	0.0061	0.0432	1.00 - 4.50
5B-00149	20336	K-40	19	0.13	0.63	32.4	1.00 - 4.50
5B-00149	20336	Na-22	0.004 U J	0.016	0.0048	0.037	1.00 - 4.50
5B-00149	20336	Nb-94	0.0088 SK	0.0066	0.0027	0.0214	1.00 - 4.50
5B-00149	20336	Np-236	-0.004 U	0.024	0.0072	0.047	1.00 - 4.50
5B-00149	20336	Np-239	0.001 U	0.064	0.019	0.139	1.00 - 4.50
5B-00149	20336	Pa-231	-0.04 U	0.44	0.13	0.936	1.00 - 4.50
5B-00149	20336	Pb-212	1.44	0.019	0.076	2.69	1.00 - 4.50
5B-00149	20336	Pb-214	0.799	0.021	0.031	1.7	1.00 - 4.50
5B-00149	20336	Pu-236	-1E-04 U	0.0054	0.001	7.79	1.00 - 4.50
5B-00149	20336	Pu-238	0.0015	0.002	0.001	0.0415	1.00 - 4.50
5B-00149	20336	Pu-239/240	0.0022	0.002	0.0013	0.0404	1.00 - 4.50
5B-00149	20336	Pu-244	0.0015	0.002	0.001	0.0313	1.00 - 4.50
5B-00149	20336	Sb-125	0.138 SK	0.027	0.0094	0.354	1.00 - 4.50
5B-00149	20336	Sn-126	0 U	0.011	0.0021	0.0237	1.00 - 4.50
5B-00149	20336	Sr-90	0.019 U	0.052	0.016	0.485	1.00 - 4.50
5B-00149	20336	Te-125m	0.0318 SK	0.0063	0.0022	0.0838	1.00 - 4.50
5B-00149	20336	Th-228	1.32	0.031	0.074	3.98	1.00 - 4.50
5B-00149	20336	Th-229	0.0116	0.0026	0.0034	0.145	1.00 - 4.50
5B-00149	20336	Th-230	1.05	0.013	0.062	2.2	1.00 - 4.50
5B-00149	20336	Th-232	1.38	0.013	0.076	3.1	1.00 - 4.50
5B-00149	20336	Th-234	0.37	0.13	0.042	3.19	1.00 - 4.50
5B-00149	20336	Tl-208	0.449	0.013	0.017	0.937	1.00 - 4.50
5B-00149	20336	Tm-171	-0.2 U J	5	1.5	72.4	1.00 - 4.50
5B-00149	20336	U-233/234	0.79	0.004	0.038	2.02	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00149	20336	U-235/236	0.0382	0.0039	0.0048	0.151	1.00 - 4.50
5B-00149	20336	U-238	0.818	0.001	0.039	1.8	1.00 - 4.50
5B-00149	20337	Ac-227	0.09	0.083	0.02	0.217	0.00 - 0.50
5B-00149	20337	Ac-228	1.19	0.065	0.041	2.4	0.00 - 0.50
5B-00149	20337	Am-241	0 U	0.0098	0.0024	0.0454	0.00 - 0.50
5B-00149	20337	Bi-212	1.02	0.12	0.083	2.15	0.00 - 0.50
5B-00149	20337	Bi-214	0.897	0.022	0.034	1.59	0.00 - 0.50
5B-00149	20337	Cd-113m	-3 U	35	10	3030	0.00 - 0.50
5B-00149	20337	Cm-243/244	0 U	0.011	0.0027	0.0443	0.00 - 0.50
5B-00149	20337	Cm-245/246	0.0009 U J	0.0064	0.0016	0.0401	0.00 - 0.50
5B-00149	20337	Cm-247/248	-9E-04 U	0.0063	0.001	0.0306	0.00 - 0.50
5B-00149	20337	Co-60	0.0012 U	0.015	0.0044	0.028	0.00 - 0.50
5B-00149	20337	Cs-134	0.0153 U	0.045	0.0044	0.0864	0.00 - 0.50
5B-00149	20337	Cs-137	0.0246	0.011	0.0052	0.207	0.00 - 0.50
5B-00149	20337	Eu-152	-0.002 U	0.032	0.0032	0.0566	0.00 - 0.50
5B-00149	20337	Eu-154	0.02 U	0.081	0.02	0.15	0.00 - 0.50
5B-00149	20337	Eu-155	0.076 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00149	20337	Ho-166m	0.0061 U	0.019	0.0049	0.0432	0.00 - 0.50
5B-00149	20337	K-40	20.4	0.15	0.68	32.4	0.00 - 0.50
5B-00149	20337	Na-22	0.0136	0.011	0.005	0.037	0.00 - 0.50
5B-00149	20337	Nb-94	0.0078 SK	0.011	0.0033	0.0214	0.00 - 0.50
5B-00149	20337	Np-236	-0.016 U J	0.026	0.0079	0.047	0.00 - 0.50
5B-00149	20337	Np-239	0.005 U	0.078	0.023	0.139	0.00 - 0.50
5B-00149	20337	Pa-231	-0.004 U	0.51	0.15	0.936	0.00 - 0.50
5B-00149	20337	Pb-212	1.55	0.02	0.082	2.69	0.00 - 0.50
5B-00149	20337	Pb-214	1.04	0.022	0.039	1.7	0.00 - 0.50
5B-00149	20337	Pu-236	-5E-04 U	0.0045	0.0005	7.79	0.00 - 0.50
5B-00149	20337	Pu-238	0 U	0.002	0.0007	0.0415	0.00 - 0.50
5B-00149	20337	Pu-239/240	-5E-04 U	0.0045	0.0005	0.0404	0.00 - 0.50
5B-00149	20337	Pu-244	0.0038	0.002	0.0017	0.0313	0.00 - 0.50
5B-00149	20337	Sb-125	0.15 SK	0.032	0.01	0.354	0.00 - 0.50
5B-00149	20337	Sn-126	0.0039 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00149	20337	Sr-90	-0.011 U	0.045	0.013	0.485	0.00 - 0.50
5B-00149	20337	Te-125m	0.0347 SK	0.0075	0.0024	0.0838	0.00 - 0.50
5B-00149	20337	Th-228	1.13	0.021	0.059	3.98	0.00 - 0.50
5B-00149	20337	Th-229	0.0029 U	0.0092	0.0027	0.145	0.00 - 0.50
5B-00149	20337	Th-230	0.919	0.008	0.05	2.2	0.00 - 0.50
5B-00149	20337	Th-232	1.18	0.008	0.061	3.1	0.00 - 0.50
5B-00149	20337	Th-234	1.35 R	0.13	0.08	3.19	0.00 - 0.50
5B-00149	20337	Tl-208	0.472	0.014	0.018	0.937	0.00 - 0.50
5B-00149	20337	Tm-171	0.3 U	3.9	1.2	72.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00149	20337	U-233/234	0.526	0.01	0.035	2.02	0.00 - 0.50
5B-00149	20337	U-235/236	0.0216	0.015	0.007	0.151	0.00 - 0.50
5B-00149	20337	U-238	0.499	0.004	0.033	1.8	0.00 - 0.50
5B-00150	20338	Ac-227	0.031 U	0.11	0.018	0.217	1.00 - 5.00
5B-00150	20338	Ac-228	1.15	0.059	0.041	2.4	1.00 - 5.00
5B-00150	20338	Am-241	0.0023 U	0.013	0.0035	0.0454	1.00 - 5.00
5B-00150	20338	Bi-212	0.981	0.092	0.061	2.15	1.00 - 5.00
5B-00150	20338	Bi-214	0.821	0.02	0.031	1.59	1.00 - 5.00
5B-00150	20338	Cd-113m	7.6 U	31	9.4	3030	1.00 - 5.00
5B-00150	20338	Cm-243/244	0.0161 J	0.011	0.005	0.0443	1.00 - 5.00
5B-00150	20338	Cm-245/246	0.001 U J	0.0097	0.0024	0.0401	1.00 - 5.00
5B-00150	20338	Cm-247/248	0.002 U J	0.0028	0.0014	0.0306	1.00 - 5.00
5B-00150	20338	Co-60	-0.002 U	0.014	0.0041	0.028	1.00 - 5.00
5B-00150	20338	Cs-134	0.0102 U	0.039	0.0028	0.0864	1.00 - 5.00
5B-00150	20338	Cs-137	-3E-04 U	0.0099	0.0029	0.207	1.00 - 5.00
5B-00150	20338	Eu-152	-4E-04 U	0.029	0.0007	0.0566	1.00 - 5.00
5B-00150	20338	Eu-154	0.061 K,R	0.061	0.019	0.15	1.00 - 5.00
5B-00150	20338	Eu-155	0.058 SK	0.027	0.011	0.231	1.00 - 5.00
5B-00150	20338	Ho-166m	0.009 SK	0.018	0.0034	0.0432	1.00 - 5.00
5B-00150	20338	K-40	18.8	0.13	0.62	32.4	1.00 - 5.00
5B-00150	20338	Na-22	-0.004 U	0.017	0.0051	0.037	1.00 - 5.00
5B-00150	20338	Nb-94	0.0033 U	0.01	0.0031	0.0214	1.00 - 5.00
5B-00150	20338	Np-236	0.0064 U	0.022	0.0066	0.047	1.00 - 5.00
5B-00150	20338	Np-239	0.017 U	0.056	0.017	0.139	1.00 - 5.00
5B-00150	20338	Pa-231	-0.1 U J	0.46	0.14	0.936	1.00 - 5.00
5B-00150	20338	Pb-212	1.36	0.021	0.072	2.69	1.00 - 5.00
5B-00150	20338	Pb-214	0.924	0.02	0.034	1.7	1.00 - 5.00
5B-00150	20338	Pu-236	0.0003 U	0.005	0.001	7.79	1.00 - 5.00
5B-00150	20338	Pu-238	0 U	0.0023	0.0007	0.0415	1.00 - 5.00
5B-00150	20338	Pu-239/240	0.0008 U	0.0023	0.0008	0.0404	1.00 - 5.00
5B-00150	20338	Pu-244	0.0012 U	0.005	0.0013	0.0313	1.00 - 5.00
5B-00150	20338	Sb-125	0.133 SK	0.03	0.0094	0.354	1.00 - 5.00
5B-00150	20338	Sn-126	-0.002 U	0.012	0.0035	0.0237	1.00 - 5.00
5B-00150	20338	Sr-90	0.034 U	0.062	0.019	0.485	1.00 - 5.00
5B-00150	20338	Te-125m	0.0307 SK	0.0069	0.0022	0.0838	1.00 - 5.00
5B-00150	20338	Th-228	1.3	0.02	0.067	3.98	1.00 - 5.00
5B-00150	20338	Th-229	0.0024 U	0.013	0.0035	0.145	1.00 - 5.00
5B-00150	20338	Th-230	0.893	0.01	0.049	2.2	1.00 - 5.00
5B-00150	20338	Th-232	1.24	0.008	0.064	3.1	1.00 - 5.00
5B-00150	20338	Th-234	1.36 R	0.13	0.079	3.19	1.00 - 5.00
5B-00150	20338	Tl-208	0.443	0.014	0.017	0.937	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00150	20338	Tm-171	-3.8 L U J	4.4	1.4	72.4	1.00 - 5.00
5B-00150	20338	U-233/234	1.03 J	0.024	0.068	2.02	1.00 - 5.00
5B-00150	20338	U-235/236	0.051 J	0.009	0.013	0.151	1.00 - 5.00
5B-00150	20338	U-238	1.07 J	0.019	0.069	1.8	1.00 - 5.00
5B-00150	20339	Ac-227	-0.003 U	0.12	0.036	0.217	0.00 - 0.50
5B-00150	20339	Ac-228	1.21	0.065	0.043	2.4	0.00 - 0.50
5B-00150	20339	Am-241	0.001 U	0.0027	0.001	0.0454	0.00 - 0.50
5B-00150	20339	Bi-212	1.01	0.1	0.067	2.15	0.00 - 0.50
5B-00150	20339	Bi-214	0.871	0.023	0.033	1.59	0.00 - 0.50
5B-00150	20339	Cd-113m	-1 U	35	10	3030	0.00 - 0.50
5B-00150	20339	Cm-243/244	0 U	0.013	0.0033	0.0443	0.00 - 0.50
5B-00150	20339	Cm-245/246	0.0008 U J	0.0022	0.0008	0.0401	0.00 - 0.50
5B-00150	20339	Cm-247/248	0 U	0.006	0.0012	0.0306	0.00 - 0.50
5B-00150	20339	Co-60	0 U	0.014	0.0042	0.028	0.00 - 0.50
5B-00150	20339	Cs-134	0.0068 U	0.046	0.0022	0.0864	0.00 - 0.50
5B-00150	20339	Cs-137	0.0198	0.013	0.0041	0.207	0.00 - 0.50
5B-00150	20339	Eu-152	0.0077 U	0.03	0.0058	0.0566	0.00 - 0.50
5B-00150	20339	Eu-154	-0.026 U	0.08	0.024	0.15	0.00 - 0.50
5B-00150	20339	Eu-155	0.085 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00150	20339	Ho-166m	0.0009 U	0.02	0.004	0.0432	0.00 - 0.50
5B-00150	20339	K-40	20.5	0.14	0.68	32.4	0.00 - 0.50
5B-00150	20339	Na-22	0.0075 U	0.019	0.0059	0.037	0.00 - 0.50
5B-00150	20339	Nb-94	0.0038 U	0.011	0.0021	0.0214	0.00 - 0.50
5B-00150	20339	Np-236	-0.004 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00150	20339	Np-239	0.001 U	0.072	0.022	0.139	0.00 - 0.50
5B-00150	20339	Pa-231	0.01 U	0.5	0.15	0.936	0.00 - 0.50
5B-00150	20339	Pb-212	1.45	0.028	0.077	2.69	0.00 - 0.50
5B-00150	20339	Pb-214	0.974	0.022	0.037	1.7	0.00 - 0.50
5B-00150	20339	Pu-236	0.0004 U	0.0058	0.0011	7.79	0.00 - 0.50
5B-00150	20339	Pu-238	0.0009 U	0.0025	0.0009	0.0415	0.00 - 0.50
5B-00150	20339	Pu-239/240	0 U	0.0025	0.0008	0.0404	0.00 - 0.50
5B-00150	20339	Pu-244	0.0018	0.0025	0.0013	0.0313	0.00 - 0.50
5B-00150	20339	Sb-125	0.0104 U L,R	0.035	0.0076	0.354	0.00 - 0.50
5B-00150	20339	Sn-126	0.0039 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00150	20339	Sr-90	0.032	0.045	0.014	0.485	0.00 - 0.50
5B-00150	20339	Te-125m	0.0024 U L,R	0.0081	0.0018	0.0838	0.00 - 0.50
5B-00150	20339	Th-228	1.15	0.02	0.06	3.98	0.00 - 0.50
5B-00150	20339	Th-229	0.0109	0.0067	0.0034	0.145	0.00 - 0.50
5B-00150	20339	Th-230	0.836	0.008	0.047	2.2	0.00 - 0.50
5B-00150	20339	Th-232	1.14	0.008	0.06	3.1	0.00 - 0.50
5B-00150	20339	Th-234	1.52 R	0.13	0.084	3.19	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00150	20339	Tl-208	0.477	0.014	0.019	0.937	0.00 - 0.50
5B-00150	20339	Tm-171	-2.3 U	5	1.5	72.4	0.00 - 0.50
5B-00150	20339	U-233/234	0.689	0.004	0.043	2.02	0.00 - 0.50
5B-00150	20339	U-235/236	0.0411	0.0051	0.0089	0.151	0.00 - 0.50
5B-00150	20339	U-238	0.702	0.014	0.044	1.8	0.00 - 0.50
5B-00151	20340	Ac-227	0.027 U	0.11	0.033	0.217	1.00 - 5.00
5B-00151	20340	Ac-228	1.13	0.057	0.04	2.4	1.00 - 5.00
5B-00151	20340	Am-241	0 U	0.012	0.0028	0.0454	1.00 - 5.00
5B-00151	20340	Bi-212	1.06	0.11	0.074	2.15	1.00 - 5.00
5B-00151	20340	Bi-214	0.846	0.02	0.032	1.59	1.00 - 5.00
5B-00151	20340	Cd-113m	14.2	23	7.1	3030	1.00 - 5.00
5B-00151	20340	Cm-243/244	0.0032 U	0.0099	0.0029	0.0443	1.00 - 5.00
5B-00151	20340	Cm-245/246	0.0013 U J	0.0095	0.0023	0.0401	1.00 - 5.00
5B-00151	20340	Cm-247/248	0 U	0.0034	0.0014	0.0306	1.00 - 5.00
5B-00151	20340	Co-60	-0.002 U	0.014	0.0042	0.028	1.00 - 5.00
5B-00151	20340	Cs-134	0.0105 U	0.033	0.0037	0.0864	1.00 - 5.00
5B-00151	20340	Cs-137	-0.006 U	0.012	0.0037	0.207	1.00 - 5.00
5B-00151	20340	Eu-152	0.0009 U	0.028	0.0005	0.0566	1.00 - 5.00
5B-00151	20340	Eu-154	-0.008 U	0.073	0.022	0.15	1.00 - 5.00
5B-00151	20340	Eu-155	0.077 SK	0.03	0.013	0.231	1.00 - 5.00
5B-00151	20340	Ho-166m	0.0127 SK	0.018	0.0039	0.0432	1.00 - 5.00
5B-00151	20340	K-40	20.2	0.14	0.67	32.4	1.00 - 5.00
5B-00151	20340	Na-22	0.0031 U	0.017	0.005	0.037	1.00 - 5.00
5B-00151	20340	Nb-94	0.0075 SK	0.01	0.0031	0.0214	1.00 - 5.00
5B-00151	20340	Np-236	-0.005 U	0.026	0.0079	0.047	1.00 - 5.00
5B-00151	20340	Np-239	0.01 U	0.072	0.022	0.139	1.00 - 5.00
5B-00151	20340	Pa-231	0.03 U	0.47	0.14	0.936	1.00 - 5.00
5B-00151	20340	Pb-212	1.44	0.02	0.076	2.69	1.00 - 5.00
5B-00151	20340	Pb-214	0.923	0.02	0.035	1.7	1.00 - 5.00
5B-00151	20340	Pu-236	0 U	0.0027	0.0009	7.79	1.00 - 5.00
5B-00151	20340	Pu-238	0 U	0.0027	0.0009	0.0415	1.00 - 5.00
5B-00151	20340	Pu-239/240	0.001 U	0.0027	0.001	0.0404	1.00 - 5.00
5B-00151	20340	Pu-244	0.001 U	0.0027	0.001	0.0313	1.00 - 5.00
5B-00151	20340	Sb-125	0.1 SK	0.031	0.0073	0.354	1.00 - 5.00
5B-00151	20340	Sn-126	0.004 U	0.011	0.0035	0.0237	1.00 - 5.00
5B-00151	20340	Sr-90	0.0177	0.03	0.0093	0.485	1.00 - 5.00
5B-00151	20340	Te-125m	0.0232 SK	0.0071	0.0017	0.0838	1.00 - 5.00
5B-00151	20340	Th-228	1.17	0.014	0.059	3.98	1.00 - 5.00
5B-00151	20340	Th-229	0.0047 U	0.014	0.0043	0.145	1.00 - 5.00
5B-00151	20340	Th-230	0.865	0.01	0.046	2.2	1.00 - 5.00
5B-00151	20340	Th-232	1.13	0.002	0.057	3.1	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00151	20340	Th-234	1.37 R	0.13	0.08	3.19	1.00 - 5.00
5B-00151	20340	Tl-208	0.423	0.013	0.016	0.937	1.00 - 5.00
5B-00151	20340	Tm-171	-2.6 U J	4.6	1.4	72.4	1.00 - 5.00
5B-00151	20340	U-233/234	0.715	0.011	0.042	2.02	1.00 - 5.00
5B-00151	20340	U-235/236	0.0332	0.0039	0.0071	0.151	1.00 - 5.00
5B-00151	20340	U-238	0.712	0.009	0.041	1.8	1.00 - 5.00
5B-00152	20342	Ac-227	0.028 U J	0.085	0.031	0.217	1.00 - 5.00
5B-00152	20342	Ac-228	1.1	0.061	0.043	2.4	1.00 - 5.00
5B-00152	20342	Am-241	0 U	0.0025	0.001	0.0454	1.00 - 5.00
5B-00152	20342	Bi-212	0.851	0.086	0.054	2.15	1.00 - 5.00
5B-00152	20342	Bi-214	0.885	0.019	0.033	1.59	1.00 - 5.00
5B-00152	20342	Cd-113m	5.7 U	32	9.6	3030	1.00 - 5.00
5B-00152	20342	Cm-243/244	0.0009 U	0.0067	0.0016	0.0443	1.00 - 5.00
5B-00152	20342	Cm-245/246	0.0021 U J	0.0077	0.0022	0.0401	1.00 - 5.00
5B-00152	20342	Cm-247/248	0.001 U	0.0076	0.0019	0.0306	1.00 - 5.00
5B-00152	20342	Co-60	0.0011 U	0.013	0.0015	0.028	1.00 - 5.00
5B-00152	20342	Cs-134	0.0156 U	0.034	0.0037	0.0864	1.00 - 5.00
5B-00152	20342	Cs-137	-0.006 U	0.012	0.0035	0.207	1.00 - 5.00
5B-00152	20342	Eu-152	-0.011 U	0.029	0.0088	0.0566	1.00 - 5.00
5B-00152	20342	Eu-154	-0.036 U	0.073	0.022	0.15	1.00 - 5.00
5B-00152	20342	Eu-155	0.071 SK	0.027	0.011	0.231	1.00 - 5.00
5B-00152	20342	Ho-166m	0.0002 U	0.018	0.0054	0.0432	1.00 - 5.00
5B-00152	20342	K-40	19.6	0.13	0.65	32.4	1.00 - 5.00
5B-00152	20342	Na-22	0.0047 U	0.013	0.0039	0.037	1.00 - 5.00
5B-00152	20342	Nb-94	0.0068 SK	0.01	0.003	0.0214	1.00 - 5.00
5B-00152	20342	Np-236	0.0063 U	0.024	0.0073	0.047	1.00 - 5.00
5B-00152	20342	Np-239	-2E-04 U	0.072	0.022	0.139	1.00 - 5.00
5B-00152	20342	Pa-231	0.003 U	0.46	0.14	0.936	1.00 - 5.00
5B-00152	20342	Pb-212	1.4	0.019	0.074	2.69	1.00 - 5.00
5B-00152	20342	Pb-214	0.992	0.022	0.037	1.7	1.00 - 5.00
5B-00152	20342	Pu-236	0.0006 U	0.0058	0.0014	7.79	1.00 - 5.00
5B-00152	20342	Pu-238	0.0014 U	0.0058	0.0016	0.0415	1.00 - 5.00
5B-00152	20342	Pu-239/240	0 U	0.0022	0.0007	0.0404	1.00 - 5.00
5B-00152	20342	Pu-244	0.0008 U	0.0022	0.0008	0.0313	1.00 - 5.00
5B-00152	20342	Sb-125	0.0983 SK	0.03	0.0067	0.354	1.00 - 5.00
5B-00152	20342	Sn-126	0.0022 U	0.011	0.0034	0.0237	1.00 - 5.00
5B-00152	20342	Sr-90	0.032	0.04	0.013	0.485	1.00 - 5.00
5B-00152	20342	Te-125m	0.0227 SK	0.0069	0.0016	0.0838	1.00 - 5.00
5B-00152	20342	Th-228	1.07	0.015	0.057	3.98	1.00 - 5.00
5B-00152	20342	Th-229	0.0034 U	0.015	0.0043	0.145	1.00 - 5.00
5B-00152	20342	Th-230	0.898	0.01	0.049	2.2	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00152	20342	Th-232	0.959	0.008	0.052	3.1	1.00 - 5.00
5B-00152	20342	Th-234	1.47 R	0.13	0.083	3.19	1.00 - 5.00
5B-00152	20342	Tl-208	0.424	0.013	0.017	0.937	1.00 - 5.00
5B-00152	20342	Tm-171	-4.7 R U	4.1	1.3	72.4	1.00 - 5.00
5B-00152	20342	U-233/234	0.854	0.003	0.048	2.02	1.00 - 5.00
5B-00152	20342	U-235/236	0.0514	0.0039	0.0088	0.151	1.00 - 5.00
5B-00152	20342	U-238	0.844	0.003	0.047	1.8	1.00 - 5.00
5B-00153	20343	Ac-227	0.028 U J	0.12	0.045	0.217	1.00 - 5.00
5B-00153	20343	Ac-228	1.13	0.1	0.043	2.4	1.00 - 5.00
5B-00153	20343	Am-241	0 U	0.0072	0.0015	0.0454	1.00 - 5.00
5B-00153	20343	Bi-212	0.937	0.14	0.084	2.15	1.00 - 5.00
5B-00153	20343	Bi-214	0.769	0.026	0.029	1.59	1.00 - 5.00
5B-00153	20343	Cd-113m	-7 U	43	13	3030	1.00 - 5.00
5B-00153	20343	Cm-243/244	0 U	0.0026	0.0011	0.0443	1.00 - 5.00
5B-00153	20343	Cm-245/246	0.004 J	0.0036	0.0023	0.0401	1.00 - 5.00
5B-00153	20343	Cm-247/248	0 U	0.0035	0.0015	0.0306	1.00 - 5.00
5B-00153	20343	Co-60	0 U	0.02	0.0059	0.028	1.00 - 5.00
5B-00153	20343	Cs-134	0.0071 U	0.053	0.0031	0.0864	1.00 - 5.00
5B-00153	20343	Cs-137	0.0017 U	0.017	0.005	0.207	1.00 - 5.00
5B-00153	20343	Eu-152	0.0083 U	0.041	0.0062	0.0566	1.00 - 5.00
5B-00153	20343	Eu-154	-0.021 U	0.11	0.033	0.15	1.00 - 5.00
5B-00153	20343	Eu-155	0.074 SK	0.033	0.013	0.231	1.00 - 5.00
5B-00153	20343	Ho-166m	0.0091 U	0.026	0.0054	0.0432	1.00 - 5.00
5B-00153	20343	K-40	20.6	0.15	0.63	32.4	1.00 - 5.00
5B-00153	20343	Na-22	0.0121	0.011	0.0035	0.037	1.00 - 5.00
5B-00153	20343	Nb-94	0.0048 U	0.015	0.0045	0.0214	1.00 - 5.00
5B-00153	20343	Np-236	-0.01 U	0.032	0.0096	0.047	1.00 - 5.00
5B-00153	20343	Np-239	-0.017 U	0.088	0.026	0.139	1.00 - 5.00
5B-00153	20343	Pa-231	0.2 U	0.61	0.18	0.936	1.00 - 5.00
5B-00153	20343	Pb-212	1.51	0.023	0.061	2.69	1.00 - 5.00
5B-00153	20343	Pb-214	0.88	0.028	0.03	1.7	1.00 - 5.00
5B-00153	20343	Pu-236	0.0008 U	0.0022	0.0008	7.79	1.00 - 5.00
5B-00153	20343	Pu-238	0.0002 U	0.0068	0.0015	0.0415	1.00 - 5.00
5B-00153	20343	Pu-239/240	0.0031	0.006	0.002	0.0404	1.00 - 5.00
5B-00153	20343	Pu-244	0.0008 U	0.0022	0.0008	0.0313	1.00 - 5.00
5B-00153	20343	Sb-125	0.134 SK	0.043	0.01	0.354	1.00 - 5.00
5B-00153	20343	Sn-126	0 U	0.014	0.0041	0.0237	1.00 - 5.00
5B-00153	20343	Sr-90	0.025	0.041	0.013	0.485	1.00 - 5.00
5B-00153	20343	Te-125m	0.0311 SK	0.0099	0.0023	0.0838	1.00 - 5.00
5B-00153	20343	Th-228	1.18	0.024	0.064	3.98	1.00 - 5.00
5B-00153	20343	Th-229	0.0031 U	0.0095	0.0028	0.145	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00153	20343	Th-230	0.842	0.018	0.049	2.2	1.00 - 5.00
5B-00153	20343	Th-232	1.17	0.004	0.064	3.1	1.00 - 5.00
5B-00153	20343	Th-234	0.286 R	0.17	0.052	3.19	1.00 - 5.00
5B-00153	20343	Tl-208	0.454	0.02	0.019	0.937	1.00 - 5.00
5B-00153	20343	Tm-171	-2.3 U	5.6	1.7	72.4	1.00 - 5.00
5B-00153	20343	U-233/234	0.821	0.008	0.046	2.02	1.00 - 5.00
5B-00153	20343	U-235/236	0.0428	0.012	0.0083	0.151	1.00 - 5.00
5B-00153	20343	U-238	0.801	0.003	0.045	1.8	1.00 - 5.00
5B-00153	20344	Ac-227	0.029 U J	0.11	0.039	0.217	0.00 - 0.50
5B-00153	20344	Ac-228	1.14	0.067	0.044	2.4	0.00 - 0.50
5B-00153	20344	Am-241	0.0019 U	0.0026	0.0013	0.0454	0.00 - 0.50
5B-00153	20344	Bi-212	0.968	0.11	0.072	2.15	0.00 - 0.50
5B-00153	20344	Bi-214	0.795	0.019	0.03	1.59	0.00 - 0.50
5B-00153	20344	Cd-113m	10.3 U	32	9.6	3030	0.00 - 0.50
5B-00153	20344	Cm-243/244	0 U	0.0025	0.001	0.0443	0.00 - 0.50
5B-00153	20344	Cm-245/246	0.0014 U J	0.0038	0.0014	0.0401	0.00 - 0.50
5B-00153	20344	Cm-247/248	0.0028 U	0.0038	0.002	0.0306	0.00 - 0.50
5B-00153	20344	Co-60	-0.002 U	0.014	0.0041	0.028	0.00 - 0.50
5B-00153	20344	Cs-134	0.0118 U	0.034	0.003	0.0864	0.00 - 0.50
5B-00153	20344	Cs-137	0.0249	0.0088	0.0042	0.207	0.00 - 0.50
5B-00153	20344	Eu-152	-0.011 U	0.028	0.0083	0.0566	0.00 - 0.50
5B-00153	20344	Eu-154	0.0018 U	0.06	0.0082	0.15	0.00 - 0.50
5B-00153	20344	Eu-155	0.083 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00153	20344	Ho-166m	0.0056 U	0.014	0.0055	0.0432	0.00 - 0.50
5B-00153	20344	K-40	18.9	0.14	0.63	32.4	0.00 - 0.50
5B-00153	20344	Na-22	0.003 U	0.017	0.005	0.037	0.00 - 0.50
5B-00153	20344	Nb-94	0.0002 U	0.0091	0.0027	0.0214	0.00 - 0.50
5B-00153	20344	Np-236	0.0059 U	0.024	0.0073	0.047	0.00 - 0.50
5B-00153	20344	Np-239	-0.028 U	0.069	0.021	0.139	0.00 - 0.50
5B-00153	20344	Pa-231	-0.14 U	0.46	0.14	0.936	0.00 - 0.50
5B-00153	20344	Pb-212	1.52	0.02	0.08	2.69	0.00 - 0.50
5B-00153	20344	Pb-214	0.872	0.021	0.033	1.7	0.00 - 0.50
5B-00153	20344	Pu-236	0.0003 U	0.0046	0.0009	7.79	0.00 - 0.50
5B-00153	20344	Pu-238	0.0014 U	0.0057	0.0015	0.0415	0.00 - 0.50
5B-00153	20344	Pu-239/240	0.0019	0.0046	0.0015	0.0404	0.00 - 0.50
5B-00153	20344	Pu-244	0.0011 U	0.0046	0.0012	0.0313	0.00 - 0.50
5B-00153	20344	Sb-125	0.133 SK	0.026	0.0091	0.354	0.00 - 0.50
5B-00153	20344	Sn-126	0.0001 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00153	20344	Sr-90	-0.029 L U	0.042	0.011	0.485	0.00 - 0.50
5B-00153	20344	Te-125m	0.0306 SK	0.0059	0.0021	0.0838	0.00 - 0.50
5B-00153	20344	Th-228	1.18	0.025	0.063	3.98	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00153	20344	Th-229	0.0054	0.0066	0.0026	0.145	0.00 - 0.50
5B-00153	20344	Th-230	0.908	0.017	0.051	2.2	0.00 - 0.50
5B-00153	20344	Th-232	1.21	0.012	0.064	3.1	0.00 - 0.50
5B-00153	20344	Th-234	1.48 R	0.13	0.083	3.19	0.00 - 0.50
5B-00153	20344	Tl-208	0.466	0.013	0.018	0.937	0.00 - 0.50
5B-00153	20344	Tm-171	-0.2 U	5.1	1.5	72.4	0.00 - 0.50
5B-00153	20344	U-233/234	0.909 J	0.017	0.056	2.02	0.00 - 0.50
5B-00153	20344	U-235/236	0.046 J	0.017	0.011	0.151	0.00 - 0.50
5B-00153	20344	U-238	0.885 J	0.005	0.055	1.8	0.00 - 0.50
5B-00154	20345	Ac-227	0.167 R	0.12	0.016	0.217	1.00 - 5.00
5B-00154	20345	Ac-228	1.2	0.063	0.043	2.4	1.00 - 5.00
5B-00154	20345	Am-241	0.002 U	0.0027	0.0014	0.0454	1.00 - 5.00
5B-00154	20345	Bi-212	0.958	0.11	0.069	2.15	1.00 - 5.00
5B-00154	20345	Bi-214	0.804	0.022	0.031	1.59	1.00 - 5.00
5B-00154	20345	Cd-113m	-2 U	34	10	3030	1.00 - 5.00
5B-00154	20345	Cm-243/244	0.0029	0.0071	0.0022	0.0443	1.00 - 5.00
5B-00154	20345	Cm-245/246	0.004 J	0.0036	0.0023	0.0401	1.00 - 5.00
5B-00154	20345	Cm-247/248	0.0026 U	0.0096	0.0027	0.0306	1.00 - 5.00
5B-00154	20345	Co-60	0.0038 U	0.013	0.0029	0.028	1.00 - 5.00
5B-00154	20345	Cs-134	0.0132 U	0.041	0.0041	0.0864	1.00 - 5.00
5B-00154	20345	Cs-137	-0.003 U	0.013	0.0038	0.207	1.00 - 5.00
5B-00154	20345	Eu-152	0.0112 U	0.032	0.0073	0.0566	1.00 - 5.00
5B-00154	20345	Eu-154	0.02 U	0.077	0.023	0.15	1.00 - 5.00
5B-00154	20345	Eu-155	0.081 SK	0.027	0.011	0.231	1.00 - 5.00
5B-00154	20345	Ho-166m	-2E-04 U	0.019	0.0005	0.0432	1.00 - 5.00
5B-00154	20345	K-40	20.4	0.14	0.68	32.4	1.00 - 5.00
5B-00154	20345	Na-22	-0.003 U	0.02	0.0059	0.037	1.00 - 5.00
5B-00154	20345	Nb-94	0.0036 U	0.011	0.0033	0.0214	1.00 - 5.00
5B-00154	20345	Np-236	0.0053 U	0.026	0.008	0.047	1.00 - 5.00
5B-00154	20345	Np-239	0 U	0.076	0.016	0.139	1.00 - 5.00
5B-00154	20345	Pa-231	0.008 U	0.49	0.15	0.936	1.00 - 5.00
5B-00154	20345	Pb-212	1.4	0.027	0.075	2.69	1.00 - 5.00
5B-00154	20345	Pb-214	0.928	0.024	0.035	1.7	1.00 - 5.00
5B-00154	20345	Pu-236	0 U	0.0028	0.0009	7.79	1.00 - 5.00
5B-00154	20345	Pu-238	0.002 U	0.0028	0.0014	0.0415	1.00 - 5.00
5B-00154	20345	Pu-239/240	0 U	0.0028	0.0009	0.0404	1.00 - 5.00
5B-00154	20345	Pu-244	0.001 U	0.0028	0.001	0.0313	1.00 - 5.00
5B-00154	20345	Sb-125	0.14 SK	0.034	0.0099	0.354	1.00 - 5.00
5B-00154	20345	Sn-126	0.0116	0.01	0.0047	0.0237	1.00 - 5.00
5B-00154	20345	Sr-90	0.0141 U	0.03	0.0092	0.485	1.00 - 5.00
5B-00154	20345	Te-125m	0.0324 SK	0.0078	0.0023	0.0838	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00154	20345	Th-228	1.22	0.018	0.062	3.98	1.00 - 5.00
5B-00154	20345	Th-229	0.0018 U	0.017	0.0043	0.145	1.00 - 5.00
5B-00154	20345	Th-230	0.921	0.007	0.049	2.2	1.00 - 5.00
5B-00154	20345	Th-232	1.17	0.007	0.06	3.1	1.00 - 5.00
5B-00154	20345	Th-234	1.39 R	0.13	0.081	3.19	1.00 - 5.00
5B-00154	20345	Tl-208	0.456	0.013	0.018	0.937	1.00 - 5.00
5B-00154	20345	Tm-171	-4.4 R U J	4.7	1.4	72.4	1.00 - 5.00
5B-00154	20345	U-233/234	0.736	0.01	0.042	2.02	1.00 - 5.00
5B-00154	20345	U-235/236	0.0399	0.0036	0.0075	0.151	1.00 - 5.00
5B-00154	20345	U-238	0.85	0.008	0.047	1.8	1.00 - 5.00
5B-00155	20346	Ac-227	0.045 U	0.15	0.048	0.217	1.00 - 4.50
5B-00155	20346	Ac-228	1.2	0.09	0.044	2.4	1.00 - 4.50
5B-00155	20346	Am-241	0.0037 U	0.012	0.0034	0.0454	1.00 - 4.50
5B-00155	20346	Bi-212	0.957	0.14	0.08	2.15	1.00 - 4.50
5B-00155	20346	Bi-214	0.946	0.026	0.033	1.59	1.00 - 4.50
5B-00155	20346	Cd-113m	16 U	41	12	3030	1.00 - 4.50
5B-00155	20346	Cm-243/244	-0.002 U	0.021	0.0055	0.0443	1.00 - 4.50
5B-00155	20346	Cm-245/246	0 U	0.0065	0.0013	0.0401	1.00 - 4.50
5B-00155	20346	Cm-247/248	0.0017 U	0.0023	0.0012	0.0306	1.00 - 4.50
5B-00155	20346	Co-60	0.0033 U	0.019	0.0022	0.028	1.00 - 4.50
5B-00155	20346	Cs-134	0.0151 U	0.052	0.0048	0.0864	1.00 - 4.50
5B-00155	20346	Cs-137	-2E-04 U	0.017	0.0049	0.207	1.00 - 4.50
5B-00155	20346	Eu-152	-0.013 U	0.036	0.011	0.0566	1.00 - 4.50
5B-00155	20346	Eu-154	0.02 U	0.1	0.016	0.15	1.00 - 4.50
5B-00155	20346	Eu-155	0.091 SK	0.032	0.013	0.231	1.00 - 4.50
5B-00155	20346	Ho-166m	0.0053 U	0.022	0.0061	0.0432	1.00 - 4.50
5B-00155	20346	K-40	20.8	0.14	0.63	32.4	1.00 - 4.50
5B-00155	20346	Na-22	0.0032 U	0.022	0.0065	0.037	1.00 - 4.50
5B-00155	20346	Nb-94	0.0041 U	0.015	0.0044	0.0214	1.00 - 4.50
5B-00155	20346	Np-236	0.0028 U	0.027	0.008	0.047	1.00 - 4.50
5B-00155	20346	Np-239	0.002 U	0.079	0.024	0.139	1.00 - 4.50
5B-00155	20346	Pa-231	-0.17 U	0.58	0.17	0.936	1.00 - 4.50
5B-00155	20346	Pb-212	1.5	0.028	0.062	2.69	1.00 - 4.50
5B-00155	20346	Pb-214	1.05	0.026	0.035	1.7	1.00 - 4.50
5B-00155	20346	Pu-236	0.0032	0.0029	0.0019	7.79	1.00 - 4.50
5B-00155	20346	Pu-238	0.0011 U	0.0029	0.0011	0.0415	1.00 - 4.50
5B-00155	20346	Pu-239/240	0 U	0.0029	0.0009	0.0404	1.00 - 4.50
5B-00155	20346	Pu-244	0.0022	0.0029	0.0015	0.0313	1.00 - 4.50
5B-00155	20346	Sb-125	0.13 SK	0.042	0.011	0.354	1.00 - 4.50
5B-00155	20346	Sn-126	-0.004 U	0.016	0.0049	0.0237	1.00 - 4.50
5B-00155	20346	Sr-90	-0.015 U	0.039	0.011	0.485	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00155	20346	Te-125m	0.03 SK	0.0097	0.0025	0.0838	1.00 - 4.50
5B-00155	20346	Th-228	1.28	0.012	0.064	3.98	1.00 - 4.50
5B-00155	20346	Th-229	0.0081	0.006	0.0029	0.145	1.00 - 4.50
5B-00155	20346	Th-230	1.06	0.008	0.054	2.2	1.00 - 4.50
5B-00155	20346	Th-232	1.22	0.007	0.061	3.1	1.00 - 4.50
5B-00155	20346	Th-234	1.53 R	0.15	0.084	3.19	1.00 - 4.50
5B-00155	20346	Tl-208	0.479	0.018	0.018	0.937	1.00 - 4.50
5B-00155	20346	Tm-171	-0.2 U J	6.1	1.8	72.4	1.00 - 4.50
5B-00155	20346	U-233/234	0.86	0.009	0.046	2.02	1.00 - 4.50
5B-00155	20346	U-235/236	0.0503	0.0084	0.0081	0.151	1.00 - 4.50
5B-00155	20346	U-238	0.855	0.002	0.046	1.8	1.00 - 4.50
5B-00155	20347	Ac-227	0.102 J	0.1	0.033	0.217	0.00 - 0.50
5B-00155	20347	Ac-228	1.26	0.084	0.044	2.4	0.00 - 0.50
5B-00155	20347	Am-241	0.0018 U	0.0085	0.0023	0.0454	0.00 - 0.50
5B-00155	20347	Bi-212	0.985	0.14	0.085	2.15	0.00 - 0.50
5B-00155	20347	Bi-214	1	0.026	0.035	1.59	0.00 - 0.50
5B-00155	20347	Cd-113m	-3 U	34	10	3030	0.00 - 0.50
5B-00155	20347	Cm-243/244	-9E-04 U	0.0066	0.001	0.0443	0.00 - 0.50
5B-00155	20347	Cm-245/246	0.004 J	0.0036	0.0023	0.0401	0.00 - 0.50
5B-00155	20347	Cm-247/248	0 U	0.0096	0.002	0.0306	0.00 - 0.50
5B-00155	20347	Co-60	0.0107	0.018	0.0053	0.028	0.00 - 0.50
5B-00155	20347	Cs-134	-0.003 U	0.057	0.017	0.0864	0.00 - 0.50
5B-00155	20347	Cs-137	0.0276	0.013	0.0063	0.207	0.00 - 0.50
5B-00155	20347	Eu-152	-0.004 U	0.041	0.012	0.0566	0.00 - 0.50
5B-00155	20347	Eu-154	0.01 U	0.11	0.019	0.15	0.00 - 0.50
5B-00155	20347	Eu-155	0.074 SK	0.033	0.013	0.231	0.00 - 0.50
5B-00155	20347	Ho-166m	0.0056 U	0.026	0.0059	0.0432	0.00 - 0.50
5B-00155	20347	K-40	21	0.15	0.64	32.4	0.00 - 0.50
5B-00155	20347	Na-22	-0.008 U	0.027	0.008	0.037	0.00 - 0.50
5B-00155	20347	Nb-94	0.0036 U	0.015	0.0046	0.0214	0.00 - 0.50
5B-00155	20347	Np-236	-0.009 U	0.032	0.0098	0.047	0.00 - 0.50
5B-00155	20347	Np-239	0.016 U	0.088	0.027	0.139	0.00 - 0.50
5B-00155	20347	Pa-231	0.08 U	0.62	0.19	0.936	0.00 - 0.50
5B-00155	20347	Pb-212	1.55	0.027	0.064	2.69	0.00 - 0.50
5B-00155	20347	Pb-214	1.07	0.027	0.036	1.7	0.00 - 0.50
5B-00155	20347	Pu-236	-0.004 L U	0.011	0.002	7.79	0.00 - 0.50
5B-00155	20347	Pu-238	0.0003 U	0.0051	0.001	0.0415	0.00 - 0.50
5B-00155	20347	Pu-239/240	0.0009 U	0.0023	0.0009	0.0404	0.00 - 0.50
5B-00155	20347	Pu-244	0.0012 U	0.0051	0.0013	0.0313	0.00 - 0.50
5B-00155	20347	Sb-125	0.137 SK	0.041	0.011	0.354	0.00 - 0.50
5B-00155	20347	Sn-126	0.0044 U	0.016	0.0048	0.0237	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00155	20347	Sr-90	0.024	0.035	0.011	0.485	0.00 - 0.50
5B-00155	20347	Te-125m	0.0316 SK	0.0095	0.0025	0.0838	0.00 - 0.50
5B-00155	20347	Th-228	1.21	0.025	0.063	3.98	0.00 - 0.50
5B-00155	20347	Th-229	0.003 U	0.009	0.0027	0.145	0.00 - 0.50
5B-00155	20347	Th-230	0.875	0.008	0.048	2.2	0.00 - 0.50
5B-00155	20347	Th-232	1.2	0.008	0.062	3.1	0.00 - 0.50
5B-00155	20347	Th-234	0.506 R	0.16	0.052	3.19	0.00 - 0.50
5B-00155	20347	Tl-208	0.492	0.018	0.019	0.937	0.00 - 0.50
5B-00155	20347	Tm-171	4.4	5.2	2	72.4	0.00 - 0.50
5B-00155	20347	U-233/234	0.872	0.009	0.049	2.02	0.00 - 0.50
5B-00155	20347	U-235/236	0.0429	0.011	0.0086	0.151	0.00 - 0.50
5B-00155	20347	U-238	0.851	0.003	0.048	1.8	0.00 - 0.50
5B-00156	20348	Ac-227	0.054 U	0.12	0.035	0.217	1.00 - 5.00
5B-00156	20348	Ac-228	1.23	0.088	0.044	2.4	1.00 - 5.00
5B-00156	20348	Am-241	0 U	0.0029	0.0012	0.0454	1.00 - 5.00
5B-00156	20348	Bi-212	0.995	0.13	0.08	2.15	1.00 - 5.00
5B-00156	20348	Bi-214	0.797	0.026	0.03	1.59	1.00 - 5.00
5B-00156	20348	Cd-113m	6 U	40	12	3030	1.00 - 5.00
5B-00156	20348	Cm-243/244	0.0021 U	0.0029	0.0015	0.0443	1.00 - 5.00
5B-00156	20348	Cm-245/246	-9E-04 U J	0.0097	0.0022	0.0401	1.00 - 5.00
5B-00156	20348	Cm-247/248	0 U	0.0082	0.0019	0.0306	1.00 - 5.00
5B-00156	20348	Co-60	0.0025 U	0.018	0.0036	0.028	1.00 - 5.00
5B-00156	20348	Cs-134	0.0102 U J	0.049	0.005	0.0864	1.00 - 5.00
5B-00156	20348	Cs-137	0.0013 U	0.016	0.0048	0.207	1.00 - 5.00
5B-00156	20348	Eu-152	-0.016 U	0.033	0.01	0.0566	1.00 - 5.00
5B-00156	20348	Eu-154	0.017 U	0.094	0.016	0.15	1.00 - 5.00
5B-00156	20348	Eu-155	0.083 SK	0.031	0.012	0.231	1.00 - 5.00
5B-00156	20348	Ho-166m	0.0282 SK	0.025	0.0044	0.0432	1.00 - 5.00
5B-00156	20348	K-40	19.4	0.13	0.59	32.4	1.00 - 5.00
5B-00156	20348	Na-22	-0.006 U J	0.024	0.0072	0.037	1.00 - 5.00
5B-00156	20348	Nb-94	0.0037 U	0.014	0.0042	0.0214	1.00 - 5.00
5B-00156	20348	Np-236	-0.003 U	0.031	0.0092	0.047	1.00 - 5.00
5B-00156	20348	Np-239	0.014 U	0.069	0.021	0.139	1.00 - 5.00
5B-00156	20348	Pa-231	-0.13 U	0.59	0.18	0.936	1.00 - 5.00
5B-00156	20348	Pb-212	1.6	0.023	0.065	2.69	1.00 - 5.00
5B-00156	20348	Pb-214	0.918	0.027	0.032	1.7	1.00 - 5.00
5B-00156	20348	Pu-236	0.0016	0.0022	0.0011	7.79	1.00 - 5.00
5B-00156	20348	Pu-238	0.001 U	0.0066	0.0017	0.0415	1.00 - 5.00
5B-00156	20348	Pu-239/240	-0.001 U	0.0058	0.0008	0.0404	1.00 - 5.00
5B-00156	20348	Pu-244	0.0016	0.0022	0.0011	0.0313	1.00 - 5.00
5B-00156	20348	Sb-125	0.12 SK	0.036	0.0095	0.354	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00156	20348	Sn-126	-3E-04 U	0.016	0.0049	0.0237	1.00 - 5.00
5B-00156	20348	Sr-90	0.034	0.05	0.016	0.485	1.00 - 5.00
5B-00156	20348	Te-125m	0.0277 SK	0.0083	0.0022	0.0838	1.00 - 5.00
5B-00156	20348	Th-228	1.33	0.022	0.069	3.98	1.00 - 5.00
5B-00156	20348	Th-229	0.0041	0.0097	0.003	0.145	1.00 - 5.00
5B-00156	20348	Th-230	0.971	0.003	0.053	2.2	1.00 - 5.00
5B-00156	20348	Th-232	1.28	0.003	0.067	3.1	1.00 - 5.00
5B-00156	20348	Th-234	1.56	0.15	0.086	3.19	1.00 - 5.00
5B-00156	20348	Tl-208	0.481	0.017	0.018	0.937	1.00 - 5.00
5B-00156	20348	Tm-171	-4 JU J	5.2	1.6	72.4	1.00 - 5.00
5B-00156	20348	U-233/234	0.9	0.014	0.05	2.02	1.00 - 5.00
5B-00156	20348	U-235/236	0.0401	0.0039	0.0078	0.151	1.00 - 5.00
5B-00156	20348	U-238	0.899	0.012	0.05	1.8	1.00 - 5.00
5B-00156	20349	Ac-227	0.041 U J	0.095	0.019	0.217	0.00 - 0.50
5B-00156	20349	Ac-228	1.1	0.085	0.04	2.4	0.00 - 0.50
5B-00156	20349	Am-241	0 U	0.0058	0.0012	0.0454	0.00 - 0.50
5B-00156	20349	Bi-212	0.965	0.14	0.084	2.15	0.00 - 0.50
5B-00156	20349	Bi-214	0.873	0.026	0.032	1.59	0.00 - 0.50
5B-00156	20349	Cd-113m	-0.02 U	39	12	3030	0.00 - 0.50
5B-00156	20349	Cm-243/244	0 U	0.0021	0.0009	0.0443	0.00 - 0.50
5B-00156	20349	Cm-245/246	0.0038 J	0.0035	0.0022	0.0401	0.00 - 0.50
5B-00156	20349	Cm-247/248	-0.001 U	0.0092	0.0014	0.0306	0.00 - 0.50
5B-00156	20349	Co-60	-2E-04 U	0.02	0.0009	0.028	0.00 - 0.50
5B-00156	20349	Cs-134	0.0034 U	0.052	0.0022	0.0864	0.00 - 0.50
5B-00156	20349	Cs-137	0.0941	0.014	0.0078	0.207	0.00 - 0.50
5B-00156	20349	Eu-152	0.0098 U	0.037	0.0055	0.0566	0.00 - 0.50
5B-00156	20349	Eu-154	-0.001 U	0.099	0.0061	0.15	0.00 - 0.50
5B-00156	20349	Eu-155	0.083 SK	0.033	0.014	0.231	0.00 - 0.50
5B-00156	20349	Ho-166m	-0.002 U	0.024	0.0073	0.0432	0.00 - 0.50
5B-00156	20349	K-40	20.1	0.13	0.61	32.4	0.00 - 0.50
5B-00156	20349	Na-22	0.0011 U	0.023	0.0068	0.037	0.00 - 0.50
5B-00156	20349	Nb-94	-0.003 U	0.013	0.004	0.0214	0.00 - 0.50
5B-00156	20349	Np-236	-0.006 U	0.029	0.0089	0.047	0.00 - 0.50
5B-00156	20349	Np-239	-0.003 U	0.068	0.02	0.139	0.00 - 0.50
5B-00156	20349	Pa-231	0.01 U	0.58	0.18	0.936	0.00 - 0.50
5B-00156	20349	Pb-212	1.55	0.023	0.063	2.69	0.00 - 0.50
5B-00156	20349	Pb-214	0.988	0.027	0.034	1.7	0.00 - 0.50
5B-00156	20349	Pu-236	0.0013 U	0.0073	0.0019	7.79	0.00 - 0.50
5B-00156	20349	Pu-238	-0.002 U	0.0073	0.0011	0.0415	0.00 - 0.50
5B-00156	20349	Pu-239/240	0.0048	0.0022	0.002	0.0404	0.00 - 0.50
5B-00156	20349	Pu-244	0.0024	0.0022	0.0014	0.0313	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00156	20349	Sb-125	0.115 SK	0.041	0.0099	0.354	0.00 - 0.50
5B-00156	20349	Sn-126	0.0021 U	0.016	0.0047	0.0237	0.00 - 0.50
5B-00156	20349	Sr-90	0.02 U	0.037	0.011	0.485	0.00 - 0.50
5B-00156	20349	Te-125m	0.0266 SK	0.0094	0.0023	0.0838	0.00 - 0.50
5B-00156	20349	Th-228	1.17	0.023	0.064	3.98	0.00 - 0.50
5B-00156	20349	Th-229	0.001 U	0.011	0.0027	0.145	0.00 - 0.50
5B-00156	20349	Th-230	0.889	0.01	0.051	2.2	0.00 - 0.50
5B-00156	20349	Th-232	1.19	0.01	0.064	3.1	0.00 - 0.50
5B-00156	20349	Th-234	0.593 R	0.14	0.05	3.19	0.00 - 0.50
5B-00156	20349	Tl-208	0.454	0.017	0.017	0.937	0.00 - 0.50
5B-00156	20349	Tm-171	-2.7 U	6	1.8	72.4	0.00 - 0.50
5B-00156	20349	U-233/234	0.872	0.013	0.049	2.02	0.00 - 0.50
5B-00156	20349	U-235/236	0.0356	0.0042	0.0076	0.151	0.00 - 0.50
5B-00156	20349	U-238	0.823	0.009	0.047	1.8	0.00 - 0.50
5B-00157	20350	Ac-227	0.032 U	0.12	0.037	0.217	1.00 - 5.00
5B-00157	20350	Ac-228	1.27	0.063	0.044	2.4	1.00 - 5.00
5B-00157	20350	Am-241	0 U	0.0061	0.0012	0.0454	1.00 - 5.00
5B-00157	20350	Bi-212	0.993	0.12	0.076	2.15	1.00 - 5.00
5B-00157	20350	Bi-214	0.895	0.022	0.034	1.59	1.00 - 5.00
5B-00157	20350	Cd-113m	-4 U	34	10	3030	1.00 - 5.00
5B-00157	20350	Cm-243/244	-8E-04 U	0.0075	0.0015	0.0443	1.00 - 5.00
5B-00157	20350	Cm-245/246	0.0028	0.0025	0.0016	0.0401	1.00 - 5.00
5B-00157	20350	Cm-247/248	0 U	0.0066	0.0014	0.0306	1.00 - 5.00
5B-00157	20350	Co-60	0.0036 U	0.011	0.0032	0.028	1.00 - 5.00
5B-00157	20350	Cs-134	0.0168 U	0.046	0.0041	0.0864	1.00 - 5.00
5B-00157	20350	Cs-137	0.0037 U	0.01	0.0031	0.207	1.00 - 5.00
5B-00157	20350	Eu-152	0.016	0.032	0.013	0.0566	1.00 - 5.00
5B-00157	20350	Eu-154	-0.024 U	0.085	0.026	0.15	1.00 - 5.00
5B-00157	20350	Eu-155	0.069 SK	0.028	0.011	0.231	1.00 - 5.00
5B-00157	20350	Ho-166m	0.0147 SK	0.02	0.0047	0.0432	1.00 - 5.00
5B-00157	20350	K-40	22	0.13	0.73	32.4	1.00 - 5.00
5B-00157	20350	Na-22	0.0039 U	0.021	0.0062	0.037	1.00 - 5.00
5B-00157	20350	Nb-94	0.0043 U	0.011	0.0027	0.0214	1.00 - 5.00
5B-00157	20350	Np-236	0.0013 U	0.027	0.0081	0.047	1.00 - 5.00
5B-00157	20350	Np-239	-0.006 U	0.078	0.024	0.139	1.00 - 5.00
5B-00157	20350	Pa-231	0.003 U	0.49	0.15	0.936	1.00 - 5.00
5B-00157	20350	Pb-212	1.66	0.022	0.088	2.69	1.00 - 5.00
5B-00157	20350	Pb-214	1.01	0.024	0.038	1.7	1.00 - 5.00
5B-00157	20350	Pu-236	-8E-04 U	0.0078	0.0009	7.79	1.00 - 5.00
5B-00157	20350	Pu-238	0.0011 U	0.0096	0.0022	0.0415	1.00 - 5.00
5B-00157	20350	Pu-239/240	0.0018 U	0.0078	0.0021	0.0404	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00157	20350	Pu-244	0.0026 U	0.0036	0.0019	0.0313	1.00 - 5.00
5B-00157	20350	Sb-125	0.157 JSK	0.035	0.011	0.354	1.00 - 5.00
5B-00157	20350	Sn-126	0.0029 U	0.012	0.0037	0.0237	1.00 - 5.00
5B-00157	20350	Sr-90	-0.016 U	0.034	0.0094	0.485	1.00 - 5.00
5B-00157	20350	Te-125m	0.0362 JSK	0.0081	0.0025	0.0838	1.00 - 5.00
5B-00157	20350	Th-228	1.28	0.017	0.065	3.98	1.00 - 5.00
5B-00157	20350	Th-229	0.012	0.003	0.0037	0.145	1.00 - 5.00
5B-00157	20350	Th-230	0.982	0.011	0.052	2.2	1.00 - 5.00
5B-00157	20350	Th-232	1.26	0.008	0.064	3.1	1.00 - 5.00
5B-00157	20350	Th-234	1.49 R	0.13	0.082	3.19	1.00 - 5.00
5B-00157	20350	Tl-208	0.505	0.017	0.02	0.937	1.00 - 5.00
5B-00157	20350	Tm-171	-1.6 U	5.5	1.7	72.4	1.00 - 5.00
5B-00157	20350	U-233/234	0.891	0.009	0.047	2.02	1.00 - 5.00
5B-00157	20350	U-235/236	0.0491	0.0031	0.0078	0.151	1.00 - 5.00
5B-00157	20350	U-238	0.876	0.007	0.046	1.8	1.00 - 5.00
5B-00158	20351	Ac-227	0.083	0.12	0.032	0.217	1.00 - 5.00
5B-00158	20351	Ac-228	1.09	0.095	0.062	2.4	1.00 - 5.00
5B-00158	20351	Am-241	0 U	0.0029	0.0012	0.0454	1.00 - 5.00
5B-00158	20351	Bi-212	1.07	0.14	0.084	2.15	1.00 - 5.00
5B-00158	20351	Bi-214	0.901	0.027	0.033	1.59	1.00 - 5.00
5B-00158	20351	Cd-113m	1 U	35	10	3030	1.00 - 5.00
5B-00158	20351	Cm-243/244	0 U	0.0028	0.0012	0.0443	1.00 - 5.00
5B-00158	20351	Cm-245/246	0 U	0.0081	0.0017	0.0401	1.00 - 5.00
5B-00158	20351	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	1.00 - 5.00
5B-00158	20351	Co-60	-8E-04 U	0.019	0.0057	0.028	1.00 - 5.00
5B-00158	20351	Cs-134	0.019 U	0.051	0.0081	0.0864	1.00 - 5.00
5B-00158	20351	Cs-137	0.0042 U	0.016	0.0047	0.207	1.00 - 5.00
5B-00158	20351	Eu-152	0.016 U	0.038	0.012	0.0566	1.00 - 5.00
5B-00158	20351	Eu-154	-0.024 U	0.11	0.032	0.15	1.00 - 5.00
5B-00158	20351	Eu-155	0.077 SK	0.033	0.014	0.231	1.00 - 5.00
5B-00158	20351	Ho-166m	0.0017 U	0.025	0.001	0.0432	1.00 - 5.00
5B-00158	20351	K-40	20.5	0.15	0.62	32.4	1.00 - 5.00
5B-00158	20351	Na-22	0.0028 U	0.025	0.0074	0.037	1.00 - 5.00
5B-00158	20351	Nb-94	-0.001 U	0.011	0.0032	0.0214	1.00 - 5.00
5B-00158	20351	Np-236	-0.008 U	0.028	0.0084	0.047	1.00 - 5.00
5B-00158	20351	Np-239	0.006 U	0.083	0.025	0.139	1.00 - 5.00
5B-00158	20351	Pa-231	-0.02 U	0.49	0.15	0.936	1.00 - 5.00
5B-00158	20351	Pb-212	1.58	0.025	0.064	2.69	1.00 - 5.00
5B-00158	20351	Pb-214	1.01	0.025	0.034	1.7	1.00 - 5.00
5B-00158	20351	Pu-236	-2E-04 U	0.0057	0.0011	7.79	1.00 - 5.00
5B-00158	20351	Pu-238	0.0031	0.0021	0.0016	0.0415	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00158	20351	Pu-239/240	0.0038	0.0057	0.0021	0.0404	1.00 - 5.00
5B-00158	20351	Pu-244	0.0023	0.0021	0.0014	0.0313	1.00 - 5.00
5B-00158	20351	Sb-125	0.143 JSK	0.039	0.01	0.354	1.00 - 5.00
5B-00158	20351	Sn-126	0.0055 U	0.014	0.0043	0.0237	1.00 - 5.00
5B-00158	20351	Sr-90	0.117	0.026	0.012	0.485	1.00 - 5.00
5B-00158	20351	Te-125m	0.033 JSK	0.009	0.0024	0.0838	1.00 - 5.00
5B-00158	20351	Th-228	1.26	0.018	0.067	3.98	1.00 - 5.00
5B-00158	20351	Th-229	0.014	0.0087	0.0042	0.145	1.00 - 5.00
5B-00158	20351	Th-230	0.851	0.013	0.05	2.2	1.00 - 5.00
5B-00158	20351	Th-232	1.18	0.01	0.064	3.1	1.00 - 5.00
5B-00158	20351	Th-234	0.372 R	0.15	0.048	3.19	1.00 - 5.00
5B-00158	20351	Tl-208	0.505	0.019	0.019	0.937	1.00 - 5.00
5B-00158	20351	Tm-171	1.2 U	4.4	1.3	72.4	1.00 - 5.00
5B-00158	20351	U-233/234	0.771	0.01	0.044	2.02	1.00 - 5.00
5B-00158	20351	U-235/236	0.0403	0.0038	0.0077	0.151	1.00 - 5.00
5B-00158	20351	U-238	0.901	0.008	0.049	1.8	1.00 - 5.00
5B-00258	20352	Ac-227	0.02 U	0.11	0.019	0.217	1.00 - 2.00
5B-00258	20352	Ac-228	1.16	0.062	0.041	2.4	1.00 - 2.00
5B-00258	20352	Am-241	0.0051	0.0027	0.0023	0.0454	1.00 - 2.00
5B-00258	20352	Bi-212	1.05	0.1	0.069	2.15	1.00 - 2.00
5B-00258	20352	Bi-214	0.933	0.02	0.035	1.59	1.00 - 2.00
5B-00258	20352	Cd-113m	0.8 U	30	9.1	3030	1.00 - 2.00
5B-00258	20352	Cm-243/244	0 U J	0.0027	0.0011	0.0443	1.00 - 2.00
5B-00258	20352	Cm-245/246	-0.002 U J	0.0093	0.0019	0.0401	1.00 - 2.00
5B-00258	20352	Cm-247/248	0.0017 U J	0.0023	0.0012	0.0306	1.00 - 2.00
5B-00258	20352	Co-60	-0.004 U	0.015	0.0045	0.028	1.00 - 2.00
5B-00258	20352	Cs-134	0.0105 U	0.042	0.0027	0.0864	1.00 - 2.00
5B-00258	20352	Cs-137	-0.009 L U J	0.013	0.0038	0.207	1.00 - 2.00
5B-00258	20352	Eu-152	0.0175 K,R	0.03	0.0086	0.0566	1.00 - 2.00
5B-00258	20352	Eu-154	0.008 U	0.076	0.013	0.15	1.00 - 2.00
5B-00258	20352	Eu-155	0.073 SK	0.029	0.012	0.231	1.00 - 2.00
5B-00258	20352	Ho-166m	0.0057 U	0.018	0.003	0.0432	1.00 - 2.00
5B-00258	20352	K-40	21.1	0.12	0.7	32.4	1.00 - 2.00
5B-00258	20352	Na-22	0.0023 U	0.016	0.0047	0.037	1.00 - 2.00
5B-00258	20352	Nb-94	0.0022 U	0.011	0.0032	0.0214	1.00 - 2.00
5B-00258	20352	Np-236	-7E-04 U	0.024	0.0073	0.047	1.00 - 2.00
5B-00258	20352	Np-239	-0.001 U	0.061	0.018	0.139	1.00 - 2.00
5B-00258	20352	Pa-231	0.1 U J	0.42	0.13	0.936	1.00 - 2.00
5B-00258	20352	Pb-212	1.42	0.023	0.075	2.69	1.00 - 2.00
5B-00258	20352	Pb-214	1.03	0.023	0.039	1.7	1.00 - 2.00
5B-00258	20352	Pu-236	-0.001 U	0.0059	0.0008	7.79	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00258	20352	Pu-238	0.0016	0.0022	0.0011	0.0415	1.00 - 2.00
5B-00258	20352	Pu-239/240	0.0008 U	0.0022	0.0008	0.0404	1.00 - 2.00
5B-00258	20352	Pu-244	0.004	0.0022	0.0018	0.0313	1.00 - 2.00
5B-00258	20352	Sb-125	0.11 SK	0.026	0.008	0.354	1.00 - 2.00
5B-00258	20352	Sn-126	0.0029 U	0.012	0.0036	0.0237	1.00 - 2.00
5B-00258	20352	Sr-90	-0.004 U	0.046	0.013	0.485	1.00 - 2.00
5B-00258	20352	Te-125m	0.0254 SK	0.0061	0.0019	0.0838	1.00 - 2.00
5B-00258	20352	Th-228	1.17	0.025	0.062	3.98	1.00 - 2.00
5B-00258	20352	Th-229	0 U	0.011	0.0027	0.145	1.00 - 2.00
5B-00258	20352	Th-230	0.962	0.011	0.053	2.2	1.00 - 2.00
5B-00258	20352	Th-232	1.13	0.009	0.06	3.1	1.00 - 2.00
5B-00258	20352	Th-234	1.49 R	0.13	0.083	3.19	1.00 - 2.00
5B-00258	20352	Tl-208	0.456	0.014	0.018	0.937	1.00 - 2.00
5B-00258	20352	Tm-171	-3.6 L U J	4.7	1.4	72.4	1.00 - 2.00
5B-00258	20352	U-233/234	1.25 J	0.046	0.087	2.02	1.00 - 2.00
5B-00258	20352	U-235/236	0.081 J	0.013	0.02	0.151	1.00 - 2.00
5B-00258	20352	U-238	1.34 J	0.041	0.091	1.8	1.00 - 2.00
5B-00259	20354	Ac-227	0.022 U	0.16	0.048	0.217	1.00 - 5.00
5B-00259	20354	Ac-228	1.44	0.1	0.052	2.4	1.00 - 5.00
5B-00259	20354	Am-241	0.0036	0.0044	0.0017	0.0454	1.00 - 5.00
5B-00259	20354	Bi-212	1.2	0.17	0.1	2.15	1.00 - 5.00
5B-00259	20354	Bi-214	0.937	0.029	0.034	1.59	1.00 - 5.00
5B-00259	20354	Cd-113m	-9 U	45	14	3030	1.00 - 5.00
5B-00259	20354	Cm-243/244	0 U J	0.0016	0.0007	0.0443	1.00 - 5.00
5B-00259	20354	Cm-245/246	0.0008 U J	0.0023	0.0008	0.0401	1.00 - 5.00
5B-00259	20354	Cm-247/248	0.0008 U J	0.0022	0.0008	0.0306	1.00 - 5.00
5B-00259	20354	Co-60	-0.002 U	0.022	0.0065	0.028	1.00 - 5.00
5B-00259	20354	Cs-134	0.0154 SK	0.012	0.0048	0.0864	1.00 - 5.00
5B-00259	20354	Cs-137	0.0113	0.018	0.0062	0.207	1.00 - 5.00
5B-00259	20354	Eu-152	-0.004 U	0.043	0.013	0.0566	1.00 - 5.00
5B-00259	20354	Eu-154	-0.028 U	0.11	0.034	0.15	1.00 - 5.00
5B-00259	20354	Eu-155	0.096 SK	0.036	0.015	0.231	1.00 - 5.00
5B-00259	20354	Ho-166m	0.0048 U	0.029	0.0042	0.0432	1.00 - 5.00
5B-00259	20354	K-40	19	0.17	0.59	32.4	1.00 - 5.00
5B-00259	20354	Na-22	0.0053 U	0.026	0.0078	0.037	1.00 - 5.00
5B-00259	20354	Nb-94	0.0115 SK	0.016	0.0039	0.0214	1.00 - 5.00
5B-00259	20354	Np-236	-0.01 U	0.029	0.0088	0.047	1.00 - 5.00
5B-00259	20354	Np-239	-0.003 U	0.09	0.027	0.139	1.00 - 5.00
5B-00259	20354	Pa-231	0.15 U J	0.64	0.19	0.936	1.00 - 5.00
5B-00259	20354	Pb-212	1.86	0.03	0.076	2.69	1.00 - 5.00
5B-00259	20354	Pb-214	1.06	0.031	0.036	1.7	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00259	20354	Pu-236	0.0011 U	0.0074	0.0019	7.79	1.00 - 5.00
5B-00259	20354	Pu-238	-7E-04 U	0.0074	0.0014	0.0415	1.00 - 5.00
5B-00259	20354	Pu-239/240	-5E-04 U	0.0053	0.0006	0.0404	1.00 - 5.00
5B-00259	20354	Pu-244	0.0035	0.0024	0.0018	0.0313	1.00 - 5.00
5B-00259	20354	Sb-125	0.142 SK	0.043	0.011	0.354	1.00 - 5.00
5B-00259	20354	Sn-126	0.0036 U	0.017	0.0052	0.0237	1.00 - 5.00
5B-00259	20354	Sr-90	0.004 U	0.046	0.013	0.485	1.00 - 5.00
5B-00259	20354	Te-125m	0.0328 SK	0.01	0.0026	0.0838	1.00 - 5.00
5B-00259	20354	Th-228	1.52	0.009	0.075	3.98	1.00 - 5.00
5B-00259	20354	Th-229	0.0027 U	0.013	0.0035	0.145	1.00 - 5.00
5B-00259	20354	Th-230	0.959	0.009	0.051	2.2	1.00 - 5.00
5B-00259	20354	Th-232	1.41	0.007	0.07	3.1	1.00 - 5.00
5B-00259	20354	Th-234	0.428 R	0.18	0.058	3.19	1.00 - 5.00
5B-00259	20354	Tl-208	0.567	0.019	0.021	0.937	1.00 - 5.00
5B-00259	20354	Tm-171	1 U J	4.9	1.5	72.4	1.00 - 5.00
5B-00259	20354	U-233/234	0.956 J	0.021	0.057	2.02	1.00 - 5.00
5B-00259	20354	U-235/236	0.056 J	0.016	0.012	0.151	1.00 - 5.00
5B-00259	20354	U-238	0.961 J	0.016	0.057	1.8	1.00 - 5.00
5B-00262	20360	Ac-227	0.066 J	0.093	0.019	0.217	1.00 - 5.00
5B-00262	20360	Ac-228	1.29	0.076	0.042	2.4	1.00 - 5.00
5B-00262	20360	Am-241	0 U	0.0027	0.0011	0.0454	1.00 - 5.00
5B-00262	20360	Bi-212	1.03	0.14	0.087	2.15	1.00 - 5.00
5B-00262	20360	Bi-214	0.904	0.023	0.031	1.59	1.00 - 5.00
5B-00262	20360	Cd-113m	2 U	40	12	3030	1.00 - 5.00
5B-00262	20360	Cm-243/244	0.001 U	0.0026	0.001	0.0443	1.00 - 5.00
5B-00262	20360	Cm-245/246	0.0054 J K	0.0037	0.0027	0.0401	1.00 - 5.00
5B-00262	20360	Cm-247/248	0 U	0.0036	0.0015	0.0306	1.00 - 5.00
5B-00262	20360	Co-60	0 U	0.018	0.0054	0.028	1.00 - 5.00
5B-00262	20360	Cs-134	0.0062 U	0.048	0.0022	0.0864	1.00 - 5.00
5B-00262	20360	Cs-137	-4E-04 U	0.016	0.0047	0.207	1.00 - 5.00
5B-00262	20360	Eu-152	0.0075 U	0.033	0.0053	0.0566	1.00 - 5.00
5B-00262	20360	Eu-154	-0.029 U	0.1	0.03	0.15	1.00 - 5.00
5B-00262	20360	Eu-155	0.087 SK	0.03	0.012	0.231	1.00 - 5.00
5B-00262	20360	Ho-166m	0.0028 U	0.023	0.0033	0.0432	1.00 - 5.00
5B-00262	20360	K-40	17.9	0.15	0.55	32.4	1.00 - 5.00
5B-00262	20360	Na-22	0.0005 U	0.026	0.0077	0.037	1.00 - 5.00
5B-00262	20360	Nb-94	0.0139 SK	0.0092	0.0039	0.0214	1.00 - 5.00
5B-00262	20360	Np-236	0.0031 U	0.03	0.0091	0.047	1.00 - 5.00
5B-00262	20360	Np-239	-0.003 U	0.062	0.018	0.139	1.00 - 5.00
5B-00262	20360	Pa-231	0.02 U	0.58	0.17	0.936	1.00 - 5.00
5B-00262	20360	Pb-212	1.64	0.021	0.066	2.69	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00262	20360	Pb-214	1	0.025	0.033	1.7	1.00 - 5.00
5B-00262	20360	Pu-236	-0.002 U	0.0076	0.0011	7.79	1.00 - 5.00
5B-00262	20360	Pu-238	-0.002 U	0.0097	0.0018	0.0415	1.00 - 5.00
5B-00262	20360	Pu-239/240	0.0018 U	0.0025	0.0013	0.0404	1.00 - 5.00
5B-00262	20360	Pu-244	0.0004 U	0.0054	0.0011	0.0313	1.00 - 5.00
5B-00262	20360	Sb-125	0.102 SK	0.039	0.008	0.354	1.00 - 5.00
5B-00262	20360	Sn-126	-0.004 U	0.016	0.0047	0.0237	1.00 - 5.00
5B-00262	20360	Sr-90	-0.019 U	0.04	0.011	0.485	1.00 - 5.00
5B-00262	20360	Te-125m	0.0235 SK	0.0091	0.0018	0.0838	1.00 - 5.00
5B-00262	20360	Th-228	1.43	0.027	0.077	3.98	1.00 - 5.00
5B-00262	20360	Th-229	0.0134	0.012	0.0051	0.145	1.00 - 5.00
5B-00262	20360	Th-230	1.26	0.011	0.069	2.2	1.00 - 5.00
5B-00262	20360	Th-232	1.45	0.004	0.077	3.1	1.00 - 5.00
5B-00262	20360	Th-234	0.697 R	0.15	0.053	3.19	1.00 - 5.00
5B-00262	20360	Tl-208	0.521	0.016	0.019	0.937	1.00 - 5.00
5B-00262	20360	Tm-171	0.2 U	4.1	1.2	72.4	1.00 - 5.00
5B-00262	20360	U-233/234	1.3 J	0.033	0.078	2.02	1.00 - 5.00
5B-00262	20360	U-235/236	0.066 J	0.008	0.014	0.151	1.00 - 5.00
5B-00262	20360	U-238	1.27 J	0.006	0.076	1.8	1.00 - 5.00
5B-00262	20361	Ac-227	0.004 U	0.12	0.037	0.217	0.00 - 0.50
5B-00262	20361	Ac-228	1.26	0.071	0.044	2.4	0.00 - 0.50
5B-00262	20361	Am-241	-0.003 U	0.013	0.0028	0.0454	0.00 - 0.50
5B-00262	20361	Bi-212	0.999	0.11	0.071	2.15	0.00 - 0.50
5B-00262	20361	Bi-214	0.902	0.022	0.034	1.59	0.00 - 0.50
5B-00262	20361	Cd-113m	2 U	35	11	3030	0.00 - 0.50
5B-00262	20361	Cm-243/244	-0.004 U	0.015	0.0036	0.0443	0.00 - 0.50
5B-00262	20361	Cm-245/246	0.0011 U J	0.0031	0.0011	0.0401	0.00 - 0.50
5B-00262	20361	Cm-247/248	0.0011 U	0.003	0.0011	0.0306	0.00 - 0.50
5B-00262	20361	Co-60	0.0013 U	0.015	0.0036	0.028	0.00 - 0.50
5B-00262	20361	Cs-134	0.0119 U	0.046	0.0031	0.0864	0.00 - 0.50
5B-00262	20361	Cs-137	0.0997	0.012	0.0076	0.207	0.00 - 0.50
5B-00262	20361	Eu-152	-0.017 U	0.033	0.01	0.0566	0.00 - 0.50
5B-00262	20361	Eu-154	0.017 U	0.068	0.015	0.15	0.00 - 0.50
5B-00262	20361	Eu-155	0.083 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00262	20361	Ho-166m	0.0065 U	0.02	0.0044	0.0432	0.00 - 0.50
5B-00262	20361	K-40	20.7	0.12	0.69	32.4	0.00 - 0.50
5B-00262	20361	Na-22	-4E-04 U	0.02	0.0059	0.037	0.00 - 0.50
5B-00262	20361	Nb-94	0.003 U	0.011	0.0034	0.0214	0.00 - 0.50
5B-00262	20361	Np-236	-0.008 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00262	20361	Np-239	0.01 U	0.061	0.018	0.139	0.00 - 0.50
5B-00262	20361	Pa-231	-0.06 U	0.5	0.15	0.936	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00262	20361	Pb-212	1.61	0.022	0.085	2.69	0.00 - 0.50
5B-00262	20361	Pb-214	1.05	0.022	0.039	1.7	0.00 - 0.50
5B-00262	20361	Pu-236	-0.002 U	0.0068	0.001	7.79	0.00 - 0.50
5B-00262	20361	Pu-238	-7E-04 U	0.0068	0.0013	0.0415	0.00 - 0.50
5B-00262	20361	Pu-239/240	0.0074	0.0022	0.0025	0.0404	0.00 - 0.50
5B-00262	20361	Pu-244	0.0008 U	0.0022	0.0008	0.0313	0.00 - 0.50
5B-00262	20361	Sb-125	0.179 SK	0.032	0.012	0.354	0.00 - 0.50
5B-00262	20361	Sn-126	0.0028 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00262	20361	Sr-90	0.0199	0.032	0.01	0.485	0.00 - 0.50
5B-00262	20361	Te-125m	0.0413 SK	0.0073	0.0027	0.0838	0.00 - 0.50
5B-00262	20361	Th-228	1.24	0.018	0.065	3.98	0.00 - 0.50
5B-00262	20361	Th-229	0.0039 U	0.012	0.0036	0.145	0.00 - 0.50
5B-00262	20361	Th-230	0.92	0.009	0.051	2.2	0.00 - 0.50
5B-00262	20361	Th-232	1.19	0.009	0.063	3.1	0.00 - 0.50
5B-00262	20361	Th-234	1.52	0.14	0.087	3.19	0.00 - 0.50
5B-00262	20361	Tl-208	0.481	0.016	0.019	0.937	0.00 - 0.50
5B-00262	20361	Tm-171	-0.2 U	4.4	1.3	72.4	0.00 - 0.50
5B-00262	20361	U-233/234	0.778	0.013	0.044	2.02	0.00 - 0.50
5B-00262	20361	U-235/236	0.0544	0.0037	0.0089	0.151	0.00 - 0.50
5B-00262	20361	U-238	0.894	0.003	0.049	1.8	0.00 - 0.50
5B-00263	20362	Ac-227	0.05 U J	0.14	0.02	0.217	1.00 - 3.00
5B-00263	20362	Ac-228	1.21	0.096	0.043	2.4	1.00 - 3.00
5B-00263	20362	Am-241	0.0014 U	0.0037	0.0014	0.0454	1.00 - 3.00
5B-00263	20362	Bi-212	0.884	0.13	0.068	2.15	1.00 - 3.00
5B-00263	20362	Bi-214	1.01	0.026	0.035	1.59	1.00 - 3.00
5B-00263	20362	Cd-113m	-0.2 U	36	11	3030	1.00 - 3.00
5B-00263	20362	Cm-243/244	0.0041	0.0037	0.0024	0.0443	1.00 - 3.00
5B-00263	20362	Cm-245/246	0.0011 U J	0.0029	0.0011	0.0401	1.00 - 3.00
5B-00263	20362	Cm-247/248	0.0032	0.0029	0.0018	0.0306	1.00 - 3.00
5B-00263	20362	Co-60	0.0082 U	0.018	0.0055	0.028	1.00 - 3.00
5B-00263	20362	Cs-134	0.0009 U	0.031	0.0024	0.0864	1.00 - 3.00
5B-00263	20362	Cs-137	0.0048 U	0.016	0.0044	0.207	1.00 - 3.00
5B-00263	20362	Eu-152	0.0017 U	0.037	0.0015	0.0566	1.00 - 3.00
5B-00263	20362	Eu-154	0.0207 U	0.086	0.0097	0.15	1.00 - 3.00
5B-00263	20362	Eu-155	0.095 SK	0.033	0.013	0.231	1.00 - 3.00
5B-00263	20362	Ho-166m	0.0054 U	0.025	0.0052	0.0432	1.00 - 3.00
5B-00263	20362	K-40	19.5	0.15	0.59	32.4	1.00 - 3.00
5B-00263	20362	Na-22	0.0077 U	0.023	0.0071	0.037	1.00 - 3.00
5B-00263	20362	Nb-94	0.0103 SK	0.014	0.0043	0.0214	1.00 - 3.00
5B-00263	20362	Np-236	-0.004 U	0.026	0.0077	0.047	1.00 - 3.00
5B-00263	20362	Np-239	0.021 U	0.088	0.026	0.139	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00263	20362	Pa-231	0.13 U	0.55	0.16	0.936	1.00 - 3.00
5B-00263	20362	Pb-212	1.57	0.022	0.064	2.69	1.00 - 3.00
5B-00263	20362	Pb-214	1.1	0.027	0.036	1.7	1.00 - 3.00
5B-00263	20362	Pu-236	-0.002 U	0.0086	0.0013	7.79	1.00 - 3.00
5B-00263	20362	Pu-238	-0.002 U	0.0085	0.0013	0.0415	1.00 - 3.00
5B-00263	20362	Pu-239/240	-0.001 U	0.0068	0.0009	0.0404	1.00 - 3.00
5B-00263	20362	Pu-244	0 U	0.0025	0.0008	0.0313	1.00 - 3.00
5B-00263	20362	Sb-125	0.119 SK	0.038	0.0092	0.354	1.00 - 3.00
5B-00263	20362	Sn-126	0.0004 U	0.016	0.0048	0.0237	1.00 - 3.00
5B-00263	20362	Sr-90	0.014 U	0.038	0.011	0.485	1.00 - 3.00
5B-00263	20362	Te-125m	0.0275 SK	0.0087	0.0021	0.0838	1.00 - 3.00
5B-00263	20362	Th-228	1.25	0.02	0.065	3.98	1.00 - 3.00
5B-00263	20362	Th-229	0.0095	0.0026	0.003	0.145	1.00 - 3.00
5B-00263	20362	Th-230	1.17	0.01	0.061	2.2	1.00 - 3.00
5B-00263	20362	Th-232	1.27	0.008	0.065	3.1	1.00 - 3.00
5B-00263	20362	Th-234	1.59 R	0.15	0.084	3.19	1.00 - 3.00
5B-00263	20362	Tl-208	0.476	0.016	0.017	0.937	1.00 - 3.00
5B-00263	20362	Tm-171	-2.3 U	5.7	1.7	72.4	1.00 - 3.00
5B-00263	20362	U-233/234	0.86	0.011	0.048	2.02	1.00 - 3.00
5B-00263	20362	U-235/236	0.0409	0.0038	0.0078	0.151	1.00 - 3.00
5B-00263	20362	U-238	0.958	0.003	0.052	1.8	1.00 - 3.00
5B-00263	20363	Ac-227	0.025 U	0.14	0.044	0.217	0.00 - 0.50
5B-00263	20363	Ac-228	1.16	0.081	0.04	2.4	0.00 - 0.50
5B-00263	20363	Am-241	0.0016 U	0.006	0.0017	0.0454	0.00 - 0.50
5B-00263	20363	Bi-212	0.999	0.14	0.082	2.15	0.00 - 0.50
5B-00263	20363	Bi-214	0.865	0.025	0.031	1.59	0.00 - 0.50
5B-00263	20363	Cd-113m	12 U	40	12	3030	0.00 - 0.50
5B-00263	20363	Cm-243/244	-0.006 U	0.019	0.0051	0.0443	0.00 - 0.50
5B-00263	20363	Cm-245/246	-0.001 U J	0.011	0.0024	0.0401	0.00 - 0.50
5B-00263	20363	Cm-247/248	-0.004 U	0.013	0.0027	0.0306	0.00 - 0.50
5B-00263	20363	Co-60	-9E-04 U	0.019	0.0056	0.028	0.00 - 0.50
5B-00263	20363	Cs-134	0.0022 U	0.049	0.0016	0.0864	0.00 - 0.50
5B-00263	20363	Cs-137	0.0648	0.013	0.0071	0.207	0.00 - 0.50
5B-00263	20363	Eu-152	0.016 U	0.038	0.011	0.0566	0.00 - 0.50
5B-00263	20363	Eu-154	0.0066 U	0.1	0.0059	0.15	0.00 - 0.50
5B-00263	20363	Eu-155	0.085 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00263	20363	Ho-166m	0.0035 U	0.024	0.0031	0.0432	0.00 - 0.50
5B-00263	20363	K-40	18.6	0.14	0.57	32.4	0.00 - 0.50
5B-00263	20363	Na-22	0 U	0.02	0.006	0.037	0.00 - 0.50
5B-00263	20363	Nb-94	0.0032 U	0.014	0.0028	0.0214	0.00 - 0.50
5B-00263	20363	Np-236	-0.005 U	0.03	0.009	0.047	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00263	20363	Np-239	-0.009 U	0.084	0.025	0.139	0.00 - 0.50
5B-00263	20363	Pa-231	-0.05 U	0.58	0.17	0.936	0.00 - 0.50
5B-00263	20363	Pb-212	1.5	0.023	0.061	2.69	0.00 - 0.50
5B-00263	20363	Pb-214	0.947	0.025	0.032	1.7	0.00 - 0.50
5B-00263	20363	Pu-236	-8E-04 U	0.011	0.0027	7.79	0.00 - 0.50
5B-00263	20363	Pu-238	-0.001 U	0.0096	0.002	0.0415	0.00 - 0.50
5B-00263	20363	Pu-239/240	0.0014 U	0.0058	0.0015	0.0404	0.00 - 0.50
5B-00263	20363	Pu-244	0 U	0.0026	0.0008	0.0313	0.00 - 0.50
5B-00263	20363	Sb-125	0.115 SK	0.039	0.01	0.354	0.00 - 0.50
5B-00263	20363	Sn-126	0.0027 U	0.015	0.0046	0.0237	0.00 - 0.50
5B-00263	20363	Sr-90	-0.005 U	0.031	0.0087	0.485	0.00 - 0.50
5B-00263	20363	Te-125m	0.0266 SK	0.009	0.0023	0.0838	0.00 - 0.50
5B-00263	20363	Th-228	1.11	0.01	0.058	3.98	0.00 - 0.50
5B-00263	20363	Th-229	0.0086	0.0026	0.0029	0.145	0.00 - 0.50
5B-00263	20363	Th-230	0.899	0.003	0.049	2.2	0.00 - 0.50
5B-00263	20363	Th-232	1.02	0.003	0.055	3.1	0.00 - 0.50
5B-00263	20363	Th-234	1.27	0.14	0.077	3.19	0.00 - 0.50
5B-00263	20363	Tl-208	0.456	0.016	0.017	0.937	0.00 - 0.50
5B-00263	20363	Tm-171	-2.3 U	6	1.8	72.4	0.00 - 0.50
5B-00263	20363	U-233/234	0.87	0.003	0.047	2.02	0.00 - 0.50
5B-00263	20363	U-235/236	0.0447	0.0033	0.0076	0.151	0.00 - 0.50
5B-00263	20363	U-238	0.88	0.003	0.047	1.8	0.00 - 0.50
5B-00264	20365	Ac-227	0.071 U	0.15	0.019	0.217	0.00 - 0.50
5B-00264	20365	Ac-228	1.31	0.089	0.047	2.4	0.00 - 0.50
5B-00264	20365	Am-241	0.0017 U	0.01	0.0029	0.0454	0.00 - 0.50
5B-00264	20365	Bi-212	1.19	0.14	0.088	2.15	0.00 - 0.50
5B-00264	20365	Bi-214	0.923	0.026	0.033	1.59	0.00 - 0.50
5B-00264	20365	Cd-113m	-5 U	44	13	3030	0.00 - 0.50
5B-00264	20365	Cm-243/244	-9E-04 U	0.0079	0.0016	0.0443	0.00 - 0.50
5B-00264	20365	Cm-245/246	0 U J	0.0038	0.0016	0.0401	0.00 - 0.50
5B-00264	20365	Cm-247/248	0 U	0.0037	0.0015	0.0306	0.00 - 0.50
5B-00264	20365	Co-60	0.0008 U	0.021	0.0014	0.028	0.00 - 0.50
5B-00264	20365	Cs-134	0.0074 U	0.055	0.0026	0.0864	0.00 - 0.50
5B-00264	20365	Cs-137	0.122	0.016	0.0093	0.207	0.00 - 0.50
5B-00264	20365	Eu-152	0.0124 U	0.043	0.0099	0.0566	0.00 - 0.50
5B-00264	20365	Eu-154	-0.004 U	0.11	0.033	0.15	0.00 - 0.50
5B-00264	20365	Eu-155	0.074 SK	0.036	0.015	0.231	0.00 - 0.50
5B-00264	20365	Ho-166m	0.0076 U	0.023	0.0072	0.0432	0.00 - 0.50
5B-00264	20365	K-40	21.3	0.14	0.64	32.4	0.00 - 0.50
5B-00264	20365	Na-22	-0.009 U	0.025	0.0076	0.037	0.00 - 0.50
5B-00264	20365	Nb-94	0.0012 U	0.015	0.0045	0.0214	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00264	20365	Np-236	0.0043 U	0.026	0.008	0.047	0.00 - 0.50
5B-00264	20365	Np-239	0.017 U	0.091	0.028	0.139	0.00 - 0.50
5B-00264	20365	Pa-231	-0.05 U	0.62	0.19	0.936	0.00 - 0.50
5B-00264	20365	Pb-212	1.74	0.023	0.071	2.69	0.00 - 0.50
5B-00264	20365	Pb-214	1.04	0.028	0.036	1.7	0.00 - 0.50
5B-00264	20365	Pu-236	-0.001 U	0.0092	0.0019	7.79	0.00 - 0.50
5B-00264	20365	Pu-238	0.0019 U	0.0072	0.002	0.0415	0.00 - 0.50
5B-00264	20365	Pu-239/240	0.0017	0.0023	0.0012	0.0404	0.00 - 0.50
5B-00264	20365	Pu-244	0.0035	0.0023	0.0017	0.0313	0.00 - 0.50
5B-00264	20365	Sb-125	0.142 SK	0.046	0.012	0.354	0.00 - 0.50
5B-00264	20365	Sn-126	0.0023 U	0.016	0.0047	0.0237	0.00 - 0.50
5B-00264	20365	Sr-90	0.0098 U	0.031	0.0093	0.485	0.00 - 0.50
5B-00264	20365	Te-125m	0.0328 SK	0.011	0.0027	0.0838	0.00 - 0.50
5B-00264	20365	Th-228	1.36	0.011	0.068	3.98	0.00 - 0.50
5B-00264	20365	Th-229	0.0073	0.011	0.0039	0.145	0.00 - 0.50
5B-00264	20365	Th-230	0.862	0.008	0.047	2.2	0.00 - 0.50
5B-00264	20365	Th-232	1.27	0.01	0.064	3.1	0.00 - 0.50
5B-00264	20365	Th-234	1.39	0.16	0.085	3.19	0.00 - 0.50
5B-00264	20365	Tl-208	0.523	0.019	0.02	0.937	0.00 - 0.50
5B-00264	20365	Tm-171	0.2 U	6.7	2	72.4	0.00 - 0.50
5B-00264	20365	U-233/234	0.702	0.013	0.043	2.02	0.00 - 0.50
5B-00264	20365	U-235/236	0.0388	0.012	0.0086	0.151	0.00 - 0.50
5B-00264	20365	U-238	0.761	0.004	0.045	1.8	0.00 - 0.50
5B-00159	20374	Ac-227	-0.022 U	0.14	0.042	0.217	1.00 - 5.00
5B-00159	20374	Ac-228	1.22	0.079	0.042	2.4	1.00 - 5.00
5B-00159	20374	Am-241	0.0011 U	0.003	0.0011	0.0454	1.00 - 5.00
5B-00159	20374	Bi-212	0.97	0.12	0.074	2.15	1.00 - 5.00
5B-00159	20374	Bi-214	0.903	0.022	0.031	1.59	1.00 - 5.00
5B-00159	20374	Cd-113m	-7 U	37	11	3030	1.00 - 5.00
5B-00159	20374	Cm-243/244	0.0011 U	0.0029	0.0011	0.0443	1.00 - 5.00
5B-00159	20374	Cm-245/246	0.0044	0.0024	0.002	0.0401	1.00 - 5.00
5B-00159	20374	Cm-247/248	0.0026	0.0064	0.002	0.0306	1.00 - 5.00
5B-00159	20374	Co-60	0.0006 U	0.016	0.0008	0.028	1.00 - 5.00
5B-00159	20374	Cs-134	0.0068 U	0.057	0.0026	0.0864	1.00 - 5.00
5B-00159	20374	Cs-137	-0.007 U	0.016	0.0048	0.207	1.00 - 5.00
5B-00159	20374	Eu-152	0.0088 U	0.036	0.0059	0.0566	1.00 - 5.00
5B-00159	20374	Eu-154	-0.02 U	0.088	0.026	0.15	1.00 - 5.00
5B-00159	20374	Eu-155	0.069 SK	0.045	0.019	0.231	1.00 - 5.00
5B-00159	20374	Ho-166m	0.0043 U	0.023	0.002	0.0432	1.00 - 5.00
5B-00159	20374	K-40	17.7	0.1	0.53	32.4	1.00 - 5.00
5B-00159	20374	Na-22	0.0045 U	0.02	0.0059	0.037	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00159	20374	Nb-94	0.0018 U	0.012	0.0026	0.0214	1.00 - 5.00
5B-00159	20374	Np-236	-0.009 U	0.035	0.011	0.047	1.00 - 5.00
5B-00159	20374	Np-239	0.025 U	0.087	0.026	0.139	1.00 - 5.00
5B-00159	20374	Pa-231	0.15 U	0.51	0.15	0.936	1.00 - 5.00
5B-00159	20374	Pb-212	1.5	0.023	0.045	2.69	1.00 - 5.00
5B-00159	20374	Pb-214	0.962	0.022	0.041	1.7	1.00 - 5.00
5B-00159	20374	Pu-236	0.0007 U	0.002	0.0007	7.79	1.00 - 5.00
5B-00159	20374	Pu-238	0.0014 U	0.002	0.001	0.0415	1.00 - 5.00
5B-00159	20374	Pu-239/240	0.0017	0.0043	0.0013	0.0404	1.00 - 5.00
5B-00159	20374	Pu-244	0.0025	0.0043	0.0015	0.0313	1.00 - 5.00
5B-00159	20374	Sb-125	0.166 SK	0.041	0.017	0.354	1.00 - 5.00
5B-00159	20374	Sn-126	-0.004 U	0.014	0.0041	0.0237	1.00 - 5.00
5B-00159	20374	Sr-90	0.015 U	0.037	0.011	0.485	1.00 - 5.00
5B-00159	20374	Te-125m	0.0384 SK	0.0096	0.0039	0.0838	1.00 - 5.00
5B-00159	20374	Th-228	1.38	0.024	0.073	3.98	1.00 - 5.00
5B-00159	20374	Th-229	0.0069	0.0063	0.0028	0.145	1.00 - 5.00
5B-00159	20374	Th-230	0.964	0.017	0.055	2.2	1.00 - 5.00
5B-00159	20374	Th-232	1.32	0.004	0.07	3.1	1.00 - 5.00
5B-00159	20374	Th-234	1.32 R	0.19	0.075	3.19	1.00 - 5.00
5B-00159	20374	Tl-208	0.494	0.016	0.018	0.937	1.00 - 5.00
5B-00159	20374	Tm-171	-11.5 U J	8.8	2.7	72.4	1.00 - 5.00
5B-00159	20374	U-233/234	0.86	0.011	0.047	2.02	1.00 - 5.00
5B-00159	20374	U-235/236	0.0411	0.0092	0.0076	0.151	1.00 - 5.00
5B-00159	20374	U-238	0.9	0.007	0.048	1.8	1.00 - 5.00
5B-00159	20375	Ac-227	0.084	0.085	0.018	0.217	0.00 - 0.50
5B-00159	20375	Ac-228	1.15	0.059	0.04	2.4	0.00 - 0.50
5B-00159	20375	Am-241	0.003	0.0074	0.0023	0.0454	0.00 - 0.50
5B-00159	20375	Bi-212	0.857	0.099	0.058	2.15	0.00 - 0.50
5B-00159	20375	Bi-214	0.877	0.022	0.033	1.59	0.00 - 0.50
5B-00159	20375	Cd-113m	-4 U	34	10	3030	0.00 - 0.50
5B-00159	20375	Cm-243/244	-0.001 U	0.015	0.0038	0.0443	0.00 - 0.50
5B-00159	20375	Cm-245/246	0.0008 U	0.0022	0.0008	0.0401	0.00 - 0.50
5B-00159	20375	Cm-247/248	0.0024	0.0022	0.0014	0.0306	0.00 - 0.50
5B-00159	20375	Co-60	-3E-04 U	0.012	0.0036	0.028	0.00 - 0.50
5B-00159	20375	Cs-134	0.0118 U	0.036	0.004	0.0864	0.00 - 0.50
5B-00159	20375	Cs-137	0.0352	0.0094	0.0045	0.207	0.00 - 0.50
5B-00159	20375	Eu-152	0.0035 U	0.026	0.0046	0.0566	0.00 - 0.50
5B-00159	20375	Eu-154	-0.026 U	0.075	0.023	0.15	0.00 - 0.50
5B-00159	20375	Eu-155	0.077 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00159	20375	Ho-166m	0.004 U	0.016	0.005	0.0432	0.00 - 0.50
5B-00159	20375	K-40	21.1	0.14	0.7	32.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00159	20375	Na-22	-0.002 U	0.019	0.0056	0.037	0.00 - 0.50
5B-00159	20375	Nb-94	0.0005 U	0.011	0.0033	0.0214	0.00 - 0.50
5B-00159	20375	Np-236	-2E-04 U	0.025	0.0075	0.047	0.00 - 0.50
5B-00159	20375	Np-239	0.009 U	0.058	0.017	0.139	0.00 - 0.50
5B-00159	20375	Pa-231	0.06 U	0.46	0.14	0.936	0.00 - 0.50
5B-00159	20375	Pb-212	1.5	0.02	0.079	2.69	0.00 - 0.50
5B-00159	20375	Pb-214	0.997	0.02	0.037	1.7	0.00 - 0.50
5B-00159	20375	Pu-236	-0.001 U	0.0064	0.0009	7.79	0.00 - 0.50
5B-00159	20375	Pu-238	0.0031	0.0021	0.0016	0.0415	0.00 - 0.50
5B-00159	20375	Pu-239/240	0.0023	0.0021	0.0013	0.0404	0.00 - 0.50
5B-00159	20375	Pu-244	0.0039	0.0021	0.0017	0.0313	0.00 - 0.50
5B-00159	20375	Sb-125	0.129 SK	0.033	0.0094	0.354	0.00 - 0.50
5B-00159	20375	Sn-126	0.0001 U	0.011	0.0034	0.0237	0.00 - 0.50
5B-00159	20375	Sr-90	0.01 U	0.048	0.014	0.485	0.00 - 0.50
5B-00159	20375	Te-125m	0.0298 SK	0.0076	0.0022	0.0838	0.00 - 0.50
5B-00159	20375	Th-228	1.08	0.01	0.055	3.98	0.00 - 0.50
5B-00159	20375	Th-229	0.0049 U	0.014	0.0042	0.145	0.00 - 0.50
5B-00159	20375	Th-230	0.912	0.009	0.048	2.2	0.00 - 0.50
5B-00159	20375	Th-232	1.07	0.009	0.055	3.1	0.00 - 0.50
5B-00159	20375	Th-234	0.687 R	0.12	0.049	3.19	0.00 - 0.50
5B-00159	20375	Tl-208	0.441	0.015	0.018	0.937	0.00 - 0.50
5B-00159	20375	Tm-171	-2.1 U	5.2	1.6	72.4	0.00 - 0.50
5B-00159	20375	U-233/234	0.821	0.01	0.048	2.02	0.00 - 0.50
5B-00159	20375	U-235/236	0.0428	0.0045	0.0086	0.151	0.00 - 0.50
5B-00159	20375	U-238	0.826	0.004	0.048	1.8	0.00 - 0.50
5B-00160	20376	Ac-227	0.066	0.077	0.016	0.217	1.00 - 5.00
5B-00160	20376	Ac-228	1.2	0.07	0.042	2.4	1.00 - 5.00
5B-00160	20376	Am-241	0.0037	0.0086	0.0027	0.0454	1.00 - 5.00
5B-00160	20376	Bi-212	0.952	0.11	0.071	2.15	1.00 - 5.00
5B-00160	20376	Bi-214	0.94	0.02	0.035	1.59	1.00 - 5.00
5B-00160	20376	Cd-113m	-0.1 U	33	9.8	3030	1.00 - 5.00
5B-00160	20376	Cm-243/244	0 U	0.012	0.0031	0.0443	1.00 - 5.00
5B-00160	20376	Cm-245/246	0.0042	0.0029	0.0021	0.0401	1.00 - 5.00
5B-00160	20376	Cm-247/248	0.0004 U	0.0061	0.0012	0.0306	1.00 - 5.00
5B-00160	20376	Co-60	0.0039 U	0.012	0.0029	0.028	1.00 - 5.00
5B-00160	20376	Cs-134	0.0157 U J	0.033	0.0035	0.0864	1.00 - 5.00
5B-00160	20376	Cs-137	0.0034 U J	0.012	0.0036	0.207	1.00 - 5.00
5B-00160	20376	Eu-152	-0.014 U	0.027	0.0081	0.0566	1.00 - 5.00
5B-00160	20376	Eu-154	0.02 U	0.07	0.014	0.15	1.00 - 5.00
5B-00160	20376	Eu-155	0.069 SK	0.027	0.011	0.231	1.00 - 5.00
5B-00160	20376	Ho-166m	0.0063 U	0.017	0.0049	0.0432	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00160	20376	K-40	19.7	0.13	0.65	32.4	1.00 - 5.00
5B-00160	20376	Na-22	-0.004 U	0.017	0.005	0.037	1.00 - 5.00
5B-00160	20376	Nb-94	0.0126 SK	0.0082	0.0038	0.0214	1.00 - 5.00
5B-00160	20376	Np-236	-0.001 U	0.025	0.0076	0.047	1.00 - 5.00
5B-00160	20376	Np-239	-0.017 U	0.068	0.021	0.139	1.00 - 5.00
5B-00160	20376	Pa-231	-0.11 U	0.46	0.14	0.936	1.00 - 5.00
5B-00160	20376	Pb-212	1.53	0.019	0.081	2.69	1.00 - 5.00
5B-00160	20376	Pb-214	1	0.021	0.038	1.7	1.00 - 5.00
5B-00160	20376	Pu-236	0.0008 U	0.002	0.0008	7.79	1.00 - 5.00
5B-00160	20376	Pu-238	-3E-04 U	0.0069	0.0015	0.0415	1.00 - 5.00
5B-00160	20376	Pu-239/240	0.003	0.002	0.0015	0.0404	1.00 - 5.00
5B-00160	20376	Pu-244	0.0008 U	0.002	0.0008	0.0313	1.00 - 5.00
5B-00160	20376	Sb-125	0.126 JSK	0.025	0.0083	0.354	1.00 - 5.00
5B-00160	20376	Sn-126	0.0002 U	0.011	0.0034	0.0237	1.00 - 5.00
5B-00160	20376	Sr-90	-0.006 U	0.043	0.012	0.485	1.00 - 5.00
5B-00160	20376	Te-125m	0.0291 JSK	0.0058	0.0019	0.0838	1.00 - 5.00
5B-00160	20376	Th-228	1.37	0.02	0.072	3.98	1.00 - 5.00
5B-00160	20376	Th-229	0.0066	0.0088	0.0032	0.145	1.00 - 5.00
5B-00160	20376	Th-230	1.05	0.01	0.058	2.2	1.00 - 5.00
5B-00160	20376	Th-232	1.32	0.012	0.069	3.1	1.00 - 5.00
5B-00160	20376	Th-234	1.46 R	0.12	0.081	3.19	1.00 - 5.00
5B-00160	20376	Tl-208	0.469	0.013	0.018	0.937	1.00 - 5.00
5B-00160	20376	Tm-171	-7.1 U J	4.3	1.4	72.4	1.00 - 5.00
5B-00160	20376	U-233/234	0.953	0.008	0.052	2.02	1.00 - 5.00
5B-00160	20376	U-235/236	0.0286	0.011	0.0068	0.151	1.00 - 5.00
5B-00160	20376	U-238	0.91	0.012	0.05	1.8	1.00 - 5.00
5B-00160	20377	Ac-227	0.09	0.097	0.022	0.217	0.00 - 0.50
5B-00160	20377	Ac-228	1.42	0.066	0.05	2.4	0.00 - 0.50
5B-00160	20377	Am-241	0.0011 U	0.0099	0.0025	0.0454	0.00 - 0.50
5B-00160	20377	Bi-212	1.1	0.11	0.074	2.15	0.00 - 0.50
5B-00160	20377	Bi-214	1.04	0.021	0.038	1.59	0.00 - 0.50
5B-00160	20377	Cd-113m	25	29	12	3030	0.00 - 0.50
5B-00160	20377	Cm-243/244	-0.002 U	0.011	0.0023	0.0443	0.00 - 0.50
5B-00160	20377	Cm-245/246	0.0031 J	0.0028	0.0018	0.0401	0.00 - 0.50
5B-00160	20377	Cm-247/248	0 U	0.0076	0.0015	0.0306	0.00 - 0.50
5B-00160	20377	Co-60	0.0002 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00160	20377	Cs-134	0.0162 U J	0.047	0.0041	0.0864	0.00 - 0.50
5B-00160	20377	Cs-137	0.0425	0.0096	0.0045	0.207	0.00 - 0.50
5B-00160	20377	Eu-152	0.0062 U	0.032	0.0033	0.0566	0.00 - 0.50
5B-00160	20377	Eu-154	-0.002 U	0.06	0.0025	0.15	0.00 - 0.50
5B-00160	20377	Eu-155	0.083 RSK	0.031	0.013	0.231	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00160	20377	Ho-166m	0.0345 SK	0.02	0.004	0.0432	0.00 - 0.50
5B-00160	20377	K-40	19.6	0.13	0.65	32.4	0.00 - 0.50
5B-00160	20377	Na-22	-0.004 U	0.019	0.0059	0.037	0.00 - 0.50
5B-00160	20377	Nb-94	0.0073 SK	0.012	0.0035	0.0214	0.00 - 0.50
5B-00160	20377	Np-236	0.0001 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00160	20377	Np-239	-8E-04 U	0.058	0.017	0.139	0.00 - 0.50
5B-00160	20377	Pa-231	-0.02 U	0.41	0.12	0.936	0.00 - 0.50
5B-00160	20377	Pb-212	1.83	0.021	0.096	2.69	0.00 - 0.50
5B-00160	20377	Pb-214	1.15	0.024	0.043	1.7	0.00 - 0.50
5B-00160	20377	Pu-236	0 U	0.0014	0.0006	7.79	0.00 - 0.50
5B-00160	20377	Pu-238	-0.002 U	0.0055	0.001	0.0415	0.00 - 0.50
5B-00160	20377	Pu-239/240	0.0021	0.0014	0.001	0.0404	0.00 - 0.50
5B-00160	20377	Pu-244	0.0015	0.0014	0.0009	0.0313	0.00 - 0.50
5B-00160	20377	Sb-125	0.171 SK	0.036	0.011	0.354	0.00 - 0.50
5B-00160	20377	Sn-126	-0.002 U	0.013	0.004	0.0237	0.00 - 0.50
5B-00160	20377	Sr-90	0.031	0.041	0.013	0.485	0.00 - 0.50
5B-00160	20377	Te-125m	0.0394 SK	0.0082	0.0024	0.0838	0.00 - 0.50
5B-00160	20377	Th-228	1.62	0.012	0.08	3.98	0.00 - 0.50
5B-00160	20377	Th-229	0.0112 K	0.0094	0.004	0.145	0.00 - 0.50
5B-00160	20377	Th-230	1.18	0.008	0.061	2.2	0.00 - 0.50
5B-00160	20377	Th-232	1.6	0.01	0.079	3.1	0.00 - 0.50
5B-00160	20377	Th-234	1.79	0.13	0.094	3.19	0.00 - 0.50
5B-00160	20377	Tl-208	0.556	0.016	0.022	0.937	0.00 - 0.50
5B-00160	20377	Tm-171	-5 R U	4.8	1.5	72.4	0.00 - 0.50
5B-00160	20377	U-233/234	1.19	0.01	0.061	2.02	0.00 - 0.50
5B-00160	20377	U-235/236	0.0552	0.0036	0.0088	0.151	0.00 - 0.50
5B-00160	20377	U-238	1.23	0.011	0.063	1.8	0.00 - 0.50
5B-00161	20378	Ac-227	0.073	0.1	0.035	0.217	1.00 - 5.00
5B-00161	20378	Ac-228	1.28	0.08	0.043	2.4	1.00 - 5.00
5B-00161	20378	Am-241	0.0007 U	0.0074	0.0019	0.0454	1.00 - 5.00
5B-00161	20378	Bi-212	0.983	0.14	0.077	2.15	1.00 - 5.00
5B-00161	20378	Bi-214	1.03	0.024	0.035	1.59	1.00 - 5.00
5B-00161	20378	Cd-113m	-0.8 U	39	12	3030	1.00 - 5.00
5B-00161	20378	Cm-243/244	-0.002 U	0.0095	0.0022	0.0443	1.00 - 5.00
5B-00161	20378	Cm-245/246	0.0039 J	0.0035	0.0023	0.0401	1.00 - 5.00
5B-00161	20378	Cm-247/248	0 U	0.0035	0.0011	0.0306	1.00 - 5.00
5B-00161	20378	Co-60	0.0011 U	0.02	0.0008	0.028	1.00 - 5.00
5B-00161	20378	Cs-134	-0.003 U J	0.015	0.0046	0.0864	1.00 - 5.00
5B-00161	20378	Cs-137	0.0713 J	0.017	0.007	0.207	1.00 - 5.00
5B-00161	20378	Eu-152	0.017 KR	0.034	0.013	0.0566	1.00 - 5.00
5B-00161	20378	Eu-154	-0.056 U	0.11	0.032	0.15	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00161	20378	Eu-155	0.087 SK	0.034	0.013	0.231	1.00 - 5.00
5B-00161	20378	Ho-166m	0.0056 U	0.025	0.0065	0.0432	1.00 - 5.00
5B-00161	20378	K-40	19.5	0.14	0.59	32.4	1.00 - 5.00
5B-00161	20378	Na-22	0.0011 U	0.024	0.0073	0.037	1.00 - 5.00
5B-00161	20378	Nb-94	0.0031 U	0.014	0.0031	0.0214	1.00 - 5.00
5B-00161	20378	Np-236	0.0024 U	0.03	0.009	0.047	1.00 - 5.00
5B-00161	20378	Np-239	-0.002 U	0.085	0.025	0.139	1.00 - 5.00
5B-00161	20378	Pa-231	0.1 U	0.6	0.18	0.936	1.00 - 5.00
5B-00161	20378	Pb-212	1.68	0.024	0.068	2.69	1.00 - 5.00
5B-00161	20378	Pb-214	1.13	0.028	0.038	1.7	1.00 - 5.00
5B-00161	20378	Pu-236	-7E-04 U	0.0071	0.0013	7.79	1.00 - 5.00
5B-00161	20378	Pu-238	0.0026	0.0023	0.0015	0.0415	1.00 - 5.00
5B-00161	20378	Pu-239/240	0.0034	0.0023	0.0017	0.0404	1.00 - 5.00
5B-00161	20378	Pu-244	0 U	0.0023	0.0007	0.0313	1.00 - 5.00
5B-00161	20378	Sb-125	0.155 JSK	0.044	0.012	0.354	1.00 - 5.00
5B-00161	20378	Sn-126	0.0046 U	0.016	0.0049	0.0237	1.00 - 5.00
5B-00161	20378	Sr-90	0.047	0.045	0.015	0.485	1.00 - 5.00
5B-00161	20378	Te-125m	0.0358 JSK	0.01	0.0028	0.0838	1.00 - 5.00
5B-00161	20378	Th-228	1.44	0.03	0.076	3.98	1.00 - 5.00
5B-00161	20378	Th-229	0.0199	0.0028	0.0047	0.145	1.00 - 5.00
5B-00161	20378	Th-230	1.15	0.013	0.063	2.2	1.00 - 5.00
5B-00161	20378	Th-232	1.32	0.015	0.07	3.1	1.00 - 5.00
5B-00161	20378	Th-234	1.68 R	0.15	0.086	3.19	1.00 - 5.00
5B-00161	20378	Tl-208	0.503	0.015	0.018	0.937	1.00 - 5.00
5B-00161	20378	Tm-171	1.9 U	4.4	1.3	72.4	1.00 - 5.00
5B-00161	20378	U-233/234	1.02	0.003	0.047	2.02	1.00 - 5.00
5B-00161	20378	U-235/236	0.0503	0.0036	0.0054	0.151	1.00 - 5.00
5B-00161	20378	U-238	0.977	0.003	0.045	1.8	1.00 - 5.00
5B-00161	20379	Ac-227	0.033 U	0.16	0.053	0.217	0.00 - 0.50
5B-00161	20379	Ac-228	1.27	0.099	0.046	2.4	0.00 - 0.50
5B-00161	20379	Am-241	0.0036 U	0.016	0.0045	0.0454	0.00 - 0.50
5B-00161	20379	Bi-212	1.06	0.14	0.082	2.15	0.00 - 0.50
5B-00161	20379	Bi-214	1.01	0.026	0.035	1.59	0.00 - 0.50
5B-00161	20379	Cd-113m	0.3 U	45	14	3030	0.00 - 0.50
5B-00161	20379	Cm-243/244	-0.007 U	0.018	0.004	0.0443	0.00 - 0.50
5B-00161	20379	Cm-245/246	0.0028 J	0.0025	0.0016	0.0401	0.00 - 0.50
5B-00161	20379	Cm-247/248	-9E-04 U	0.0067	0.001	0.0306	0.00 - 0.50
5B-00161	20379	Co-60	0.0042 U	0.022	0.004	0.028	0.00 - 0.50
5B-00161	20379	Cs-134	0.0014 U J	0.018	0.0012	0.0864	0.00 - 0.50
5B-00161	20379	Cs-137	0.121	0.021	0.01	0.207	0.00 - 0.50
5B-00161	20379	Eu-152	0.021	0.032	0.016	0.0566	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00161	20379	Eu-154	0.01 U	0.12	0.0088	0.15	0.00 - 0.50
5B-00161	20379	Eu-155	0.084 RSK	0.035	0.014	0.231	0.00 - 0.50
5B-00161	20379	Ho-166m	0.0061 U	0.028	0.0097	0.0432	0.00 - 0.50
5B-00161	20379	K-40	20.4	0.15	0.63	32.4	0.00 - 0.50
5B-00161	20379	Na-22	0.0022 U	0.025	0.0074	0.037	0.00 - 0.50
5B-00161	20379	Nb-94	0.0042 U	0.016	0.0034	0.0214	0.00 - 0.50
5B-00161	20379	Np-236	-0.005 U	0.029	0.0088	0.047	0.00 - 0.50
5B-00161	20379	Np-239	-0.015 U	0.095	0.029	0.139	0.00 - 0.50
5B-00161	20379	Pa-231	-0.08 U	0.62	0.19	0.936	0.00 - 0.50
5B-00161	20379	Pb-212	1.7	0.026	0.069	2.69	0.00 - 0.50
5B-00161	20379	Pb-214	1.14	0.032	0.039	1.7	0.00 - 0.50
5B-00161	20379	Pu-236	-5E-04 U	0.0046	0.0009	7.79	0.00 - 0.50
5B-00161	20379	Pu-238	-0.002 U	0.0059	0.0011	0.0415	0.00 - 0.50
5B-00161	20379	Pu-239/240	0.0044	0.0013	0.0015	0.0404	0.00 - 0.50
5B-00161	20379	Pu-244	0.0029	0.0013	0.0012	0.0313	0.00 - 0.50
5B-00161	20379	Sb-125	0.116 SK	0.048	0.011	0.354	0.00 - 0.50
5B-00161	20379	Sn-126	0.0052 U	0.018	0.0054	0.0237	0.00 - 0.50
5B-00161	20379	Sr-90	0.041	0.044	0.014	0.485	0.00 - 0.50
5B-00161	20379	Te-125m	0.0268 SK	0.011	0.0025	0.0838	0.00 - 0.50
5B-00161	20379	Th-228	1.41	0.023	0.07	3.98	0.00 - 0.50
5B-00161	20379	Th-229	0.0044	0.01	0.0032	0.145	0.00 - 0.50
5B-00161	20379	Th-230	0.938	0.003	0.05	2.2	0.00 - 0.50
5B-00161	20379	Th-232	1.29	0.003	0.064	3.1	0.00 - 0.50
5B-00161	20379	Th-234	0.748	0.17	0.059	3.19	0.00 - 0.50
5B-00161	20379	Tl-208	0.516	0.018	0.019	0.937	0.00 - 0.50
5B-00161	20379	Tm-171	0.6 U	4.8	1.5	72.4	0.00 - 0.50
5B-00161	20379	U-233/234	1.03	0.003	0.056	2.02	0.00 - 0.50
5B-00161	20379	U-235/236	0.0557	0.011	0.0096	0.151	0.00 - 0.50
5B-00161	20379	U-238	1.06	0.003	0.057	1.8	0.00 - 0.50
5B-00162	20380	Ac-227	-0.042 U	0.12	0.036	0.217	1.00 - 5.00
5B-00162	20380	Ac-228	1.26	0.074	0.042	2.4	1.00 - 5.00
5B-00162	20380	Am-241	0.0031	0.0075	0.0023	0.0454	1.00 - 5.00
5B-00162	20380	Bi-212	1.07	0.11	0.07	2.15	1.00 - 5.00
5B-00162	20380	Bi-214	0.932	0.024	0.033	1.59	1.00 - 5.00
5B-00162	20380	Cd-113m	10 U	39	12	3030	1.00 - 5.00
5B-00162	20380	Cm-243/244	0 U	0.012	0.003	0.0443	1.00 - 5.00
5B-00162	20380	Cm-245/246	0.0005 U	0.0072	0.0015	0.0401	1.00 - 5.00
5B-00162	20380	Cm-247/248	0 U	0.0032	0.001	0.0306	1.00 - 5.00
5B-00162	20380	Co-60	0.0025 U	0.018	0.0032	0.028	1.00 - 5.00
5B-00162	20380	Cs-134	0.0092 U J	0.049	0.004	0.0864	1.00 - 5.00
5B-00162	20380	Cs-137	-4E-04 U J	0.017	0.0052	0.207	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00162	20380	Eu-152	0.01 U	0.036	0.011	0.0566	1.00 - 5.00
5B-00162	20380	Eu-154	-0.021 U	0.093	0.028	0.15	1.00 - 5.00
5B-00162	20380	Eu-155	0.079 SK	0.032	0.013	0.231	1.00 - 5.00
5B-00162	20380	Ho-166m	0.0101 SK	0.021	0.0082	0.0432	1.00 - 5.00
5B-00162	20380	K-40	18.2	0.11	0.55	32.4	1.00 - 5.00
5B-00162	20380	Na-22	0.0061 U	0.016	0.0047	0.037	1.00 - 5.00
5B-00162	20380	Nb-94	0.0011 U	0.014	0.0017	0.0214	1.00 - 5.00
5B-00162	20380	Np-236	0.0053 U	0.028	0.0086	0.047	1.00 - 5.00
5B-00162	20380	Np-239	0.011 U	0.06	0.018	0.139	1.00 - 5.00
5B-00162	20380	Pa-231	-0.02 U	0.56	0.17	0.936	1.00 - 5.00
5B-00162	20380	Pb-212	1.56	0.022	0.063	2.69	1.00 - 5.00
5B-00162	20380	Pb-214	1.03	0.024	0.034	1.7	1.00 - 5.00
5B-00162	20380	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 5.00
5B-00162	20380	Pu-238	0.0022	0.002	0.0013	0.0415	1.00 - 5.00
5B-00162	20380	Pu-239/240	0 U	0.002	0.0006	0.0404	1.00 - 5.00
5B-00162	20380	Pu-244	0.003	0.002	0.0015	0.0313	1.00 - 5.00
5B-00162	20380	Sb-125	0.122 JSK	0.039	0.0087	0.354	1.00 - 5.00
5B-00162	20380	Sn-126	-0.002 U	0.015	0.0044	0.0237	1.00 - 5.00
5B-00162	20380	Sr-90	0.023 U	0.051	0.015	0.485	1.00 - 5.00
5B-00162	20380	Te-125m	0.0282 JSK	0.0091	0.002	0.0838	1.00 - 5.00
5B-00162	20380	Th-228	1.45	0.022	0.073	3.98	1.00 - 5.00
5B-00162	20380	Th-229	0.012	0.0092	0.0041	0.145	1.00 - 5.00
5B-00162	20380	Th-230	1.07	0.011	0.056	2.2	1.00 - 5.00
5B-00162	20380	Th-232	1.39	0.003	0.07	3.1	1.00 - 5.00
5B-00162	20380	Th-234	0.368 R	0.15	0.048	3.19	1.00 - 5.00
5B-00162	20380	Tl-208	0.494	0.015	0.018	0.937	1.00 - 5.00
5B-00162	20380	Tm-171	-3.4 U J	5	1.5	72.4	1.00 - 5.00
5B-00162	20380	U-233/234	0.879	0.014	0.049	2.02	1.00 - 5.00
5B-00162	20380	U-235/236	0.0485	0.0039	0.0086	0.151	1.00 - 5.00
5B-00162	20380	U-238	0.871	0.011	0.048	1.8	1.00 - 5.00
5B-00162	20381	Ac-227	0.039 U	0.13	0.052	0.217	0.00 - 0.50
5B-00162	20381	Ac-228	1.49	0.065	0.051	2.4	0.00 - 0.50
5B-00162	20381	Am-241	0.0031	0.0028	0.0018	0.0454	0.00 - 0.50
5B-00162	20381	Bi-212	1.21	0.11	0.076	2.15	0.00 - 0.50
5B-00162	20381	Bi-214	1.13	0.022	0.041	1.59	0.00 - 0.50
5B-00162	20381	Cd-113m	2 U	36	11	3030	0.00 - 0.50
5B-00162	20381	Cm-243/244	-0.001 U	0.0075	0.0011	0.0443	0.00 - 0.50
5B-00162	20381	Cm-245/246	0.0038 J	0.0069	0.0024	0.0401	0.00 - 0.50
5B-00162	20381	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	0.00 - 0.50
5B-00162	20381	Co-60	0.0005 U	0.014	0.0042	0.028	0.00 - 0.50
5B-00162	20381	Cs-134	0.008 U J	0.037	0.0091	0.0864	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00162	20381	Cs-137	0.183	0.011	0.0086	0.207	0.00 - 0.50
5B-00162	20381	Eu-152	0.02	0.027	0.011	0.0566	0.00 - 0.50
5B-00162	20381	Eu-154	0.0134 U	0.075	0.0064	0.15	0.00 - 0.50
5B-00162	20381	Eu-155	0.103 RSK	0.034	0.015	0.231	0.00 - 0.50
5B-00162	20381	Ho-166m	-0.003 U	0.021	0.0062	0.0432	0.00 - 0.50
5B-00162	20381	K-40	19	0.14	0.63	32.4	0.00 - 0.50
5B-00162	20381	Na-22	-0.005 U	0.016	0.0048	0.037	0.00 - 0.50
5B-00162	20381	Nb-94	0.0048 U	0.011	0.0025	0.0214	0.00 - 0.50
5B-00162	20381	Np-236	-0.003 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00162	20381	Np-239	0.001 U	0.082	0.025	0.139	0.00 - 0.50
5B-00162	20381	Pa-231	0.058 U	0.43	0.052	0.936	0.00 - 0.50
5B-00162	20381	Pb-212	1.92	0.02	0.1	2.69	0.00 - 0.50
5B-00162	20381	Pb-214	1.29	0.023	0.047	1.7	0.00 - 0.50
5B-00162	20381	Pu-236	-5E-04 U	0.0035	0.0005	7.79	0.00 - 0.50
5B-00162	20381	Pu-238	0 U	0.0035	0.0007	0.0415	0.00 - 0.50
5B-00162	20381	Pu-239/240	0.0076	0.0044	0.0022	0.0404	0.00 - 0.50
5B-00162	20381	Pu-244	0.0038	0.0013	0.0014	0.0313	0.00 - 0.50
5B-00162	20381	Sb-125	0.148 SK	0.036	0.0097	0.354	0.00 - 0.50
5B-00162	20381	Sn-126	-0.002 U	0.013	0.0038	0.0237	0.00 - 0.50
5B-00162	20381	Sr-90	0.06	0.041	0.014	0.485	0.00 - 0.50
5B-00162	20381	Te-125m	0.0342 SK	0.0083	0.0022	0.0838	0.00 - 0.50
5B-00162	20381	Th-228	1.59	0.014	0.076	3.98	0.00 - 0.50
5B-00162	20381	Th-229	0.0122	0.0033	0.0039	0.145	0.00 - 0.50
5B-00162	20381	Th-230	1.24	0.002	0.062	2.2	0.00 - 0.50
5B-00162	20381	Th-232	1.56	0.006	0.075	3.1	0.00 - 0.50
5B-00162	20381	Th-234	2.13	0.14	0.11	3.19	0.00 - 0.50
5B-00162	20381	Tl-208	0.584	0.016	0.023	0.937	0.00 - 0.50
5B-00162	20381	Tm-171	1.8 U	4.3	1.3	72.4	0.00 - 0.50
5B-00162	20381	U-233/234	1.28	0.01	0.068	2.02	0.00 - 0.50
5B-00162	20381	U-235/236	0.057	0.005	0.01	0.151	0.00 - 0.50
5B-00162	20381	U-238	1.17	0.004	0.063	1.8	0.00 - 0.50
5B-00163	20382	Ac-227	0.076	0.1	0.038	0.217	1.00 - 4.50
5B-00163	20382	Ac-228	1.16	0.077	0.042	2.4	1.00 - 4.50
5B-00163	20382	Am-241	0.0019 U	0.0025	0.0013	0.0454	1.00 - 4.50
5B-00163	20382	Bi-212	0.998	0.12	0.069	2.15	1.00 - 4.50
5B-00163	20382	Bi-214	0.897	0.024	0.032	1.59	1.00 - 4.50
5B-00163	20382	Cd-113m	-2 U	39	12	3030	1.00 - 4.50
5B-00163	20382	Cm-243/244	-0.003 U	0.0099	0.0018	0.0443	1.00 - 4.50
5B-00163	20382	Cm-245/246	0.0026 U	0.0096	0.0027	0.0401	1.00 - 4.50
5B-00163	20382	Cm-247/248	0 U	0.0094	0.0019	0.0306	1.00 - 4.50
5B-00163	20382	Co-60	0.0025 U	0.018	0.0032	0.028	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00163	20382	Cs-134	-0.012 U J	0.0019	0.0013	0.0864	1.00 - 4.50
5B-00163	20382	Cs-137	0.0174	0.017	0.0065	0.207	1.00 - 4.50
5B-00163	20382	Eu-152	-0.008 U	0.037	0.011	0.0566	1.00 - 4.50
5B-00163	20382	Eu-154	-0.018 U	0.1	0.031	0.15	1.00 - 4.50
5B-00163	20382	Eu-155	0.0411 SK	0.031	0.0097	0.231	1.00 - 4.50
5B-00163	20382	Ho-166m	-0.001 U	0.025	0.0008	0.0432	1.00 - 4.50
5B-00163	20382	K-40	19.1	0.15	0.58	32.4	1.00 - 4.50
5B-00163	20382	Na-22	0.0047 U	0.023	0.007	0.037	1.00 - 4.50
5B-00163	20382	Nb-94	0.0048 U	0.014	0.0042	0.0214	1.00 - 4.50
5B-00163	20382	Np-236	-0.006 U	0.029	0.0086	0.047	1.00 - 4.50
5B-00163	20382	Np-239	0.012 U	0.085	0.026	0.139	1.00 - 4.50
5B-00163	20382	Pa-231	0.05 U	0.48	0.14	0.936	1.00 - 4.50
5B-00163	20382	Pb-212	1.52	0.022	0.062	2.69	1.00 - 4.50
5B-00163	20382	Pb-214	0.986	0.025	0.033	1.7	1.00 - 4.50
5B-00163	20382	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 4.50
5B-00163	20382	Pu-238	0.0025	0.0043	0.0015	0.0415	1.00 - 4.50
5B-00163	20382	Pu-239/240	0.0014 U	0.002	0.001	0.0404	1.00 - 4.50
5B-00163	20382	Pu-244	0.0029	0.0019	0.0014	0.0313	1.00 - 4.50
5B-00163	20382	Sb-125	0.141 SK	0.039	0.011	0.354	1.00 - 4.50
5B-00163	20382	Sn-126	-3E-04 U	0.016	0.0047	0.0237	1.00 - 4.50
5B-00163	20382	Sr-90	0.006 U	0.04	0.012	0.485	1.00 - 4.50
5B-00163	20382	Te-125m	0.0326 SK	0.009	0.0026	0.0838	1.00 - 4.50
5B-00163	20382	Th-228	1.37	0.015	0.068	3.98	1.00 - 4.50
5B-00163	20382	Th-229	0.0124	0.012	0.0047	0.145	1.00 - 4.50
5B-00163	20382	Th-230	1.05	0.007	0.054	2.2	1.00 - 4.50
5B-00163	20382	Th-232	1.25	0.003	0.063	3.1	1.00 - 4.50
5B-00163	20382	Th-234	0.277 R	0.16	0.049	3.19	1.00 - 4.50
5B-00163	20382	Tl-208	0.473	0.018	0.018	0.937	1.00 - 4.50
5B-00163	20382	Tm-171	0.5 U	4	1.2	72.4	1.00 - 4.50
5B-00163	20382	U-233/234	0.793	0.008	0.044	2.02	1.00 - 4.50
5B-00163	20382	U-235/236	0.0423	0.015	0.0085	0.151	1.00 - 4.50
5B-00163	20382	U-238	0.773	0.003	0.044	1.8	1.00 - 4.50
5B-00164	20383	Ac-227	-0.044 U	0.11	0.033	0.217	1.00 - 5.00
5B-00164	20383	Ac-228	0.969	0.06	0.036	2.4	1.00 - 5.00
5B-00164	20383	Am-241	0.0037	0.0025	0.0019	0.0454	1.00 - 5.00
5B-00164	20383	Bi-212	0.798	0.09	0.056	2.15	1.00 - 5.00
5B-00164	20383	Bi-214	0.603	0.018	0.024	1.59	1.00 - 5.00
5B-00164	20383	Cd-113m	0.2 U	30	9.1	3030	1.00 - 5.00
5B-00164	20383	Cm-243/244	-9E-04 U	0.0067	0.001	0.0443	1.00 - 5.00
5B-00164	20383	Cm-245/246	0.0024 U	0.0032	0.0017	0.0401	1.00 - 5.00
5B-00164	20383	Cm-247/248	-0.001 U	0.0087	0.0013	0.0306	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00164	20383	Co-60	0.0027 U	0.014	0.004	0.028	1.00 - 5.00
5B-00164	20383	Cs-134	0.0096 U	0.035	0.0028	0.0864	1.00 - 5.00
5B-00164	20383	Cs-137	0.0488	0.0098	0.0051	0.207	1.00 - 5.00
5B-00164	20383	Eu-152	-0.002 U	0.025	0.0013	0.0566	1.00 - 5.00
5B-00164	20383	Eu-154	0.0017 U	0.076	0.0016	0.15	1.00 - 5.00
5B-00164	20383	Eu-155	0.049 SK	0.026	0.0083	0.231	1.00 - 5.00
5B-00164	20383	Ho-166m	0.0043 U J	0.017	0.0045	0.0432	1.00 - 5.00
5B-00164	20383	K-40	21.6	0.14	0.71	32.4	1.00 - 5.00
5B-00164	20383	Na-22	-0.007 U	0.017	0.0052	0.037	1.00 - 5.00
5B-00164	20383	Nb-94	0.0054 SK	0.0098	0.003	0.0214	1.00 - 5.00
5B-00164	20383	Np-236	-0.002 U	0.023	0.0069	0.047	1.00 - 5.00
5B-00164	20383	Np-239	0.026 U	0.065	0.02	0.139	1.00 - 5.00
5B-00164	20383	Pa-231	-0.022 U	0.32	0.097	0.936	1.00 - 5.00
5B-00164	20383	Pb-212	1.2	0.018	0.064	2.69	1.00 - 5.00
5B-00164	20383	Pb-214	0.667	0.018	0.026	1.7	1.00 - 5.00
5B-00164	20383	Pu-236	-4E-04 U	0.0041	0.0005	7.79	1.00 - 5.00
5B-00164	20383	Pu-238	0.0026	0.005	0.0017	0.0415	1.00 - 5.00
5B-00164	20383	Pu-239/240	0.0044	0.0041	0.0019	0.0404	1.00 - 5.00
5B-00164	20383	Pu-244	0.0007 U	0.0019	0.0007	0.0313	1.00 - 5.00
5B-00164	20383	Sb-125	0.111 SK	0.03	0.009	0.354	1.00 - 5.00
5B-00164	20383	Sn-126	0.0065	0.0069	0.0027	0.0237	1.00 - 5.00
5B-00164	20383	Sr-90	-0.009 U	0.037	0.01	0.485	1.00 - 5.00
5B-00164	20383	Te-125m	0.0257 SK	0.007	0.0021	0.0838	1.00 - 5.00
5B-00164	20383	Th-228	1.04	0.018	0.054	3.98	1.00 - 5.00
5B-00164	20383	Th-229	0.0087	0.0094	0.0036	0.145	1.00 - 5.00
5B-00164	20383	Th-230	0.732	0.007	0.04	2.2	1.00 - 5.00
5B-00164	20383	Th-232	0.964	0.005	0.05	3.1	1.00 - 5.00
5B-00164	20383	Th-234	1.12	0.12	0.068	3.19	1.00 - 5.00
5B-00164	20383	Tl-208	0.365	0.013	0.015	0.937	1.00 - 5.00
5B-00164	20383	Tm-171	0.1 U J	4.3	1.3	72.4	1.00 - 5.00
5B-00164	20383	U-233/234	0.686	0.014	0.04	2.02	1.00 - 5.00
5B-00164	20383	U-235/236	0.0331	0.0036	0.0068	0.151	1.00 - 5.00
5B-00164	20383	U-238	0.667	0.01	0.039	1.8	1.00 - 5.00
5B-00165	20384	Ac-227	0.034 U	0.13	0.039	0.217	1.00 - 5.00
5B-00165	20384	Ac-228	1.05	0.077	0.037	2.4	1.00 - 5.00
5B-00165	20384	Am-241	0.002 U	0.0027	0.0014	0.0454	1.00 - 5.00
5B-00165	20384	Bi-212	0.853	0.12	0.071	2.15	1.00 - 5.00
5B-00165	20384	Bi-214	0.816	0.023	0.029	1.59	1.00 - 5.00
5B-00165	20384	Cd-113m	-0.04 U	35	11	3030	1.00 - 5.00
5B-00165	20384	Cm-243/244	-0.001 U	0.0072	0.0011	0.0443	1.00 - 5.00
5B-00165	20384	Cm-245/246	0.0086	0.0039	0.0035	0.0401	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00165	20384	Cm-247/248	0.0057	0.0038	0.0028	0.0306	1.00 - 5.00
5B-00165	20384	Co-60	0 U	0.017	0.0051	0.028	1.00 - 5.00
5B-00165	20384	Cs-134	0.0101 U	0.046	0.0033	0.0864	1.00 - 5.00
5B-00165	20384	Cs-137	0.0527	0.012	0.0059	0.207	1.00 - 5.00
5B-00165	20384	Eu-152	0.0061 U	0.035	0.0042	0.0566	1.00 - 5.00
5B-00165	20384	Eu-154	-2E-04 U	0.091	0.0005	0.15	1.00 - 5.00
5B-00165	20384	Eu-155	0.044 SK	0.035	0.011	0.231	1.00 - 5.00
5B-00165	20384	Ho-166m	-0.005 U	0.021	0.0063	0.0432	1.00 - 5.00
5B-00165	20384	K-40	19.8	0.12	0.59	32.4	1.00 - 5.00
5B-00165	20384	Na-22	-9E-04 U	0.028	0.0085	0.037	1.00 - 5.00
5B-00165	20384	Nb-94	0.0038 U	0.013	0.0028	0.0214	1.00 - 5.00
5B-00165	20384	Np-236	0.0038 U	0.028	0.0083	0.047	1.00 - 5.00
5B-00165	20384	Np-239	-0.007 U	0.077	0.023	0.139	1.00 - 5.00
5B-00165	20384	Pa-231	-0.03 U	0.52	0.16	0.936	1.00 - 5.00
5B-00165	20384	Pb-212	1.26	0.023	0.052	2.69	1.00 - 5.00
5B-00165	20384	Pb-214	0.912	0.025	0.03	1.7	1.00 - 5.00
5B-00165	20384	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 5.00
5B-00165	20384	Pu-238	0.0015	0.002	0.001	0.0415	1.00 - 5.00
5B-00165	20384	Pu-239/240	0.0018	0.0044	0.0014	0.0404	1.00 - 5.00
5B-00165	20384	Pu-244	0.0015	0.002	0.001	0.0313	1.00 - 5.00
5B-00165	20384	Sb-125	0.0917 SK	0.037	0.0078	0.354	1.00 - 5.00
5B-00165	20384	Sn-126	-1E-04 U	0.011	0.0033	0.0237	1.00 - 5.00
5B-00165	20384	Sr-90	-0.025 L U	0.044	0.012	0.485	1.00 - 5.00
5B-00165	20384	Te-125m	0.0212 SK	0.0085	0.0018	0.0838	1.00 - 5.00
5B-00165	20384	Th-228	1.16	0.025	0.064	3.98	1.00 - 5.00
5B-00165	20384	Th-229	0.0029 U	0.013	0.0038	0.145	1.00 - 5.00
5B-00165	20384	Th-230	0.861	0.015	0.051	2.2	1.00 - 5.00
5B-00165	20384	Th-232	1.21	0.011	0.066	3.1	1.00 - 5.00
5B-00165	20384	Th-234	1.21 R	0.13	0.071	3.19	1.00 - 5.00
5B-00165	20384	Tl-208	0.405	0.016	0.016	0.937	1.00 - 5.00
5B-00165	20384	Tm-171	-5.5 U J	4.5	1.4	72.4	1.00 - 5.00
5B-00165	20384	U-233/234	0.753	0.007	0.042	2.02	1.00 - 5.00
5B-00165	20384	U-235/236	0.0299	0.011	0.0066	0.151	1.00 - 5.00
5B-00165	20384	U-238	0.699	0.009	0.039	1.8	1.00 - 5.00
5B-00166	20385	Ac-227	0.001 U	0.14	0.042	0.217	1.00 - 2.50
5B-00166	20385	Ac-228	1.23	0.079	0.045	2.4	1.00 - 2.50
5B-00166	20385	Am-241	0.0051	0.0034	0.0025	0.0454	1.00 - 2.50
5B-00166	20385	Bi-212	1.06	0.13	0.081	2.15	1.00 - 2.50
5B-00166	20385	Bi-214	0.876	0.024	0.031	1.59	1.00 - 2.50
5B-00166	20385	Cd-113m	16 U	40	12	3030	1.00 - 2.50
5B-00166	20385	Cm-243/244	-0.001 U	0.012	0.0023	0.0443	1.00 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00166	20385	Cm-245/246	0.0014 U	0.0051	0.0014	0.0401	1.00 - 2.50
5B-00166	20385	Cm-247/248	0 U	0.0018	0.0008	0.0306	1.00 - 2.50
5B-00166	20385	Co-60	-0.005 U	0.016	0.0049	0.028	1.00 - 2.50
5B-00166	20385	Cs-134	0.021 U	0.056	0.0077	0.0864	1.00 - 2.50
5B-00166	20385	Cs-137	0.0203	0.016	0.0049	0.207	1.00 - 2.50
5B-00166	20385	Eu-152	0.001 U	0.04	0.012	0.0566	1.00 - 2.50
5B-00166	20385	Eu-154	-0.015 U	0.09	0.027	0.15	1.00 - 2.50
5B-00166	20385	Eu-155	0.081 SK	0.049	0.022	0.231	1.00 - 2.50
5B-00166	20385	Ho-166m	0.0082 U	0.023	0.0087	0.0432	1.00 - 2.50
5B-00166	20385	K-40	19.7	0.11	0.59	32.4	1.00 - 2.50
5B-00166	20385	Na-22	-0.002 U	0.022	0.0065	0.037	1.00 - 2.50
5B-00166	20385	Nb-94	0.0013 U	0.013	0.004	0.0214	1.00 - 2.50
5B-00166	20385	Np-236	-7E-04 U	0.034	0.01	0.047	1.00 - 2.50
5B-00166	20385	Np-239	0.002 U	0.069	0.021	0.139	1.00 - 2.50
5B-00166	20385	Pa-231	0.11 U	0.6	0.18	0.936	1.00 - 2.50
5B-00166	20385	Pb-212	1.26	0.034	0.041	2.69	1.00 - 2.50
5B-00166	20385	Pb-214	0.912	0.029	0.04	1.7	1.00 - 2.50
5B-00166	20385	Pu-236	-0.004 U	0.021	0.0043	7.79	1.00 - 2.50
5B-00166	20385	Pu-238	-0.002 U	0.014	0.0018	0.0415	1.00 - 2.50
5B-00166	20385	Pu-239/240	0.0038	0.0051	0.0027	0.0404	1.00 - 2.50
5B-00166	20385	Pu-244	0.0056	0.0051	0.0033	0.0313	1.00 - 2.50
5B-00166	20385	Sb-125	0.144 SK	0.042	0.011	0.354	1.00 - 2.50
5B-00166	20385	Sn-126	0.0009 U	0.015	0.0046	0.0237	1.00 - 2.50
5B-00166	20385	Sr-90	0.003 U	0.044	0.013	0.485	1.00 - 2.50
5B-00166	20385	Te-125m	0.0333 SK	0.0097	0.0026	0.0838	1.00 - 2.50
5B-00166	20385	Th-228	1.4	0.014	0.07	3.98	1.00 - 2.50
5B-00166	20385	Th-229	0.0053	0.0098	0.0033	0.145	1.00 - 2.50
5B-00166	20385	Th-230	1	0.01	0.053	2.2	1.00 - 2.50
5B-00166	20385	Th-232	1.28	0.008	0.065	3.1	1.00 - 2.50
5B-00166	20385	Th-234	1.28 R	0.2	0.075	3.19	1.00 - 2.50
5B-00166	20385	Tl-208	0.465	0.016	0.017	0.937	1.00 - 2.50
5B-00166	20385	Tm-171	-9.3 U J	8.9	2.7	72.4	1.00 - 2.50
5B-00166	20385	U-233/234	1.15	0.014	0.061	2.02	1.00 - 2.50
5B-00166	20385	U-235/236	0.07	0.011	0.011	0.151	1.00 - 2.50
5B-00166	20385	U-238	1.16	0.008	0.061	1.8	1.00 - 2.50
5B-00166	20386	Ac-227	0.031 U	0.1	0.046	0.217	0.00 - 0.50
5B-00166	20386	Ac-228	1.18	0.06	0.041	2.4	0.00 - 0.50
5B-00166	20386	Am-241	0.0018 U	0.0084	0.0023	0.0454	0.00 - 0.50
5B-00166	20386	Bi-212	1.03	0.1	0.069	2.15	0.00 - 0.50
5B-00166	20386	Bi-214	0.879	0.024	0.034	1.59	0.00 - 0.50
5B-00166	20386	Cd-113m	14 U	33	10	3030	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00166	20386	Cm-243/244	0.0026	0.0024	0.0015	0.0443	0.00 - 0.50
5B-00166	20386	Cm-245/246	0.001 U J	0.0026	0.001	0.0401	0.00 - 0.50
5B-00166	20386	Cm-247/248	0.0009 U	0.0026	0.001	0.0306	0.00 - 0.50
5B-00166	20386	Co-60	0.0007 U	0.014	0.0015	0.028	0.00 - 0.50
5B-00166	20386	Cs-134	0.011 U	0.036	0.0026	0.0864	0.00 - 0.50
5B-00166	20386	Cs-137	0.0577	0.0095	0.0049	0.207	0.00 - 0.50
5B-00166	20386	Eu-152	0.013 U	0.028	0.0051	0.0566	0.00 - 0.50
5B-00166	20386	Eu-154	-0.039 U	0.079	0.024	0.15	0.00 - 0.50
5B-00166	20386	Eu-155	0.072 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00166	20386	Ho-166m	0.0066 U	0.019	0.0071	0.0432	0.00 - 0.50
5B-00166	20386	K-40	20.7	0.15	0.69	32.4	0.00 - 0.50
5B-00166	20386	Na-22	0.0039 U	0.018	0.0055	0.037	0.00 - 0.50
5B-00166	20386	Nb-94	0.0028 U	0.011	0.0033	0.0214	0.00 - 0.50
5B-00166	20386	Np-236	-4E-04 U	0.023	0.007	0.047	0.00 - 0.50
5B-00166	20386	Np-239	0.001 U	0.076	0.023	0.139	0.00 - 0.50
5B-00166	20386	Pa-231	-0.01 U	0.48	0.14	0.936	0.00 - 0.50
5B-00166	20386	Pb-212	1.41	0.025	0.075	2.69	0.00 - 0.50
5B-00166	20386	Pb-214	0.979	0.021	0.037	1.7	0.00 - 0.50
5B-00166	20386	Pu-236	0.0012 U	0.005	0.0013	7.79	0.00 - 0.50
5B-00166	20386	Pu-238	-0.002 U	0.007	0.001	0.0415	0.00 - 0.50
5B-00166	20386	Pu-239/240	0.0012 U	0.005	0.0013	0.0404	0.00 - 0.50
5B-00166	20386	Pu-244	-5E-04 U	0.005	0.0006	0.0313	0.00 - 0.50
5B-00166	20386	Sb-125	0.135 SK	0.033	0.01	0.354	0.00 - 0.50
5B-00166	20386	Sn-126	0 U	0.012	0.0023	0.0237	0.00 - 0.50
5B-00166	20386	Sr-90	0.025	0.038	0.012	0.485	0.00 - 0.50
5B-00166	20386	Te-125m	0.0312 SK	0.0077	0.0023	0.0838	0.00 - 0.50
5B-00166	20386	Th-228	1.14	0.026	0.062	3.98	0.00 - 0.50
5B-00166	20386	Th-229	0.0067	0.007	0.0029	0.145	0.00 - 0.50
5B-00166	20386	Th-230	0.854	0.01	0.049	2.2	0.00 - 0.50
5B-00166	20386	Th-232	1.14	0.01	0.062	3.1	0.00 - 0.50
5B-00166	20386	Th-234	1.47 R	0.13	0.085	3.19	0.00 - 0.50
5B-00166	20386	Tl-208	0.455	0.016	0.019	0.937	0.00 - 0.50
5B-00166	20386	Tm-171	-3 U	5.2	1.6	72.4	0.00 - 0.50
5B-00166	20386	U-233/234	0.709	0.015	0.043	2.02	0.00 - 0.50
5B-00166	20386	U-235/236	0.0289	0.013	0.0076	0.151	0.00 - 0.50
5B-00166	20386	U-238	0.724	0.004	0.044	1.8	0.00 - 0.50
5B-00167	20387	Ac-227	0.013 U	0.14	0.041	0.217	1.00 - 2.50
5B-00167	20387	Ac-228	1.36	0.074	0.044	2.4	1.00 - 2.50
5B-00167	20387	Am-241	0.0019 U	0.0026	0.0014	0.0454	1.00 - 2.50
5B-00167	20387	Bi-212	1.07	0.12	0.072	2.15	1.00 - 2.50
5B-00167	20387	Bi-214	0.992	0.024	0.034	1.59	1.00 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00167	20387	Cd-113m	-7 U	40	12	3030	1.00 - 2.50
5B-00167	20387	Cm-243/244	0 U	0.0069	0.0014	0.0443	1.00 - 2.50
5B-00167	20387	Cm-245/246	0.0037	0.0033	0.0021	0.0401	1.00 - 2.50
5B-00167	20387	Cm-247/248	-0.001 U	0.011	0.0022	0.0306	1.00 - 2.50
5B-00167	20387	Co-60	0.0017 U	0.018	0.0031	0.028	1.00 - 2.50
5B-00167	20387	Cs-134	0.0183 U	0.051	0.0043	0.0864	1.00 - 2.50
5B-00167	20387	Cs-137	0.0612	0.012	0.006	0.207	1.00 - 2.50
5B-00167	20387	Eu-152	0.019	0.036	0.014	0.0566	1.00 - 2.50
5B-00167	20387	Eu-154	-0.008 U	0.096	0.029	0.15	1.00 - 2.50
5B-00167	20387	Eu-155	0.093 SK	0.031	0.013	0.231	1.00 - 2.50
5B-00167	20387	Ho-166m	0.0052 U	0.023	0.0037	0.0432	1.00 - 2.50
5B-00167	20387	K-40	18.9	0.14	0.57	32.4	1.00 - 2.50
5B-00167	20387	Na-22	-0.011 U	0.022	0.0067	0.037	1.00 - 2.50
5B-00167	20387	Nb-94	0.0163 SK	0.011	0.0051	0.0214	1.00 - 2.50
5B-00167	20387	Np-236	-0.011 U	0.031	0.0094	0.047	1.00 - 2.50
5B-00167	20387	Np-239	-0.001 U	0.072	0.022	0.139	1.00 - 2.50
5B-00167	20387	Pa-231	0.05 U	0.57	0.17	0.936	1.00 - 2.50
5B-00167	20387	Pb-212	1.76	0.023	0.071	2.69	1.00 - 2.50
5B-00167	20387	Pb-214	1.11	0.027	0.036	1.7	1.00 - 2.50
5B-00167	20387	Pu-236	0.0007 U	0.002	0.0007	7.79	1.00 - 2.50
5B-00167	20387	Pu-238	0.0059	0.002	0.0021	0.0415	1.00 - 2.50
5B-00167	20387	Pu-239/240	0.0007 U	0.002	0.0007	0.0404	1.00 - 2.50
5B-00167	20387	Pu-244	-9E-04 U	0.0053	0.0007	0.0313	1.00 - 2.50
5B-00167	20387	Sb-125	0.158 SK	0.04	0.011	0.354	1.00 - 2.50
5B-00167	20387	Sn-126	0.0065 U	0.015	0.0046	0.0237	1.00 - 2.50
5B-00167	20387	Sr-90	0.001 U	0.041	0.012	0.485	1.00 - 2.50
5B-00167	20387	Te-125m	0.0365 SK	0.0092	0.0026	0.0838	1.00 - 2.50
5B-00167	20387	Th-228	1.56	0.034	0.086	3.98	1.00 - 2.50
5B-00167	20387	Th-229	0.0068	0.01	0.0036	0.145	1.00 - 2.50
5B-00167	20387	Th-230	1.04	0.014	0.062	2.2	1.00 - 2.50
5B-00167	20387	Th-232	1.36	0.014	0.076	3.1	1.00 - 2.50
5B-00167	20387	Th-234	1.64 R	0.14	0.085	3.19	1.00 - 2.50
5B-00167	20387	Tl-208	0.533	0.016	0.019	0.937	1.00 - 2.50
5B-00167	20387	Tm-171	-1.5 U	5.9	1.8	72.4	1.00 - 2.50
5B-00167	20387	U-233/234	0.862	0.008	0.045	2.02	1.00 - 2.50
5B-00167	20387	U-235/236	0.0484	0.0074	0.0074	0.151	1.00 - 2.50
5B-00167	20387	U-238	0.853	0.006	0.044	1.8	1.00 - 2.50
5B-00168	20388	Ac-227	0.029 U	0.1	0.032	0.217	1.00 - 5.00
5B-00168	20388	Ac-228	1.02	0.053	0.035	2.4	1.00 - 5.00
5B-00168	20388	Am-241	0.0011 U	0.003	0.0011	0.0454	1.00 - 5.00
5B-00168	20388	Bi-212	0.746	0.071	0.043	2.15	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00168	20388	Bi-214	0.778	0.02	0.03	1.59	1.00 - 5.00
5B-00168	20388	Cd-113m	4.3 U	30	9.2	3030	1.00 - 5.00
5B-00168	20388	Cm-243/244	-0.002 U	0.01	0.0017	0.0443	1.00 - 5.00
5B-00168	20388	Cm-245/246	0.0036	0.0033	0.0021	0.0401	1.00 - 5.00
5B-00168	20388	Cm-247/248	-0.002 U	0.011	0.0019	0.0306	1.00 - 5.00
5B-00168	20388	Co-60	0.002 U	0.013	0.0037	0.028	1.00 - 5.00
5B-00168	20388	Cs-134	0.0107 U	0.032	0.0028	0.0864	1.00 - 5.00
5B-00168	20388	Cs-137	0.0569	0.0082	0.0044	0.207	1.00 - 5.00
5B-00168	20388	Eu-152	0.0028 U	0.025	0.0076	0.0566	1.00 - 5.00
5B-00168	20388	Eu-154	-0.022 U	0.071	0.022	0.15	1.00 - 5.00
5B-00168	20388	Eu-155	0.07 SK	0.029	0.013	0.231	1.00 - 5.00
5B-00168	20388	Ho-166m	0.023 JSK	0.017	0.0032	0.0432	1.00 - 5.00
5B-00168	20388	K-40	20.3	0.13	0.67	32.4	1.00 - 5.00
5B-00168	20388	Na-22	0.0017 U	0.016	0.0049	0.037	1.00 - 5.00
5B-00168	20388	Nb-94	0.0045 U	0.0093	0.0028	0.0214	1.00 - 5.00
5B-00168	20388	Np-236	-0.009 U	0.023	0.007	0.047	1.00 - 5.00
5B-00168	20388	Np-239	0 U	0.068	0.02	0.139	1.00 - 5.00
5B-00168	20388	Pa-231	0.0002 U	0.44	0.13	0.936	1.00 - 5.00
5B-00168	20388	Pb-212	1.21	0.023	0.065	2.69	1.00 - 5.00
5B-00168	20388	Pb-214	0.869	0.02	0.032	1.7	1.00 - 5.00
5B-00168	20388	Pu-236	0.0007 U	0.002	0.0007	7.79	1.00 - 5.00
5B-00168	20388	Pu-238	0.0015	0.002	0.001	0.0415	1.00 - 5.00
5B-00168	20388	Pu-239/240	-4E-04 U	0.0043	0.0005	0.0404	1.00 - 5.00
5B-00168	20388	Pu-244	0.001 U	0.0043	0.0011	0.0313	1.00 - 5.00
5B-00168	20388	Sb-125	0.1 SK	0.03	0.0077	0.354	1.00 - 5.00
5B-00168	20388	Sn-126	0.0001 U	0.011	0.0032	0.0237	1.00 - 5.00
5B-00168	20388	Sr-90	-0.002 U	0.037	0.011	0.485	1.00 - 5.00
5B-00168	20388	Te-125m	0.0232 SK	0.0068	0.0018	0.0838	1.00 - 5.00
5B-00168	20388	Th-228	1.16	0.015	0.059	3.98	1.00 - 5.00
5B-00168	20388	Th-229	0.0049	0.009	0.003	0.145	1.00 - 5.00
5B-00168	20388	Th-230	0.97	0.01	0.05	2.2	1.00 - 5.00
5B-00168	20388	Th-232	1.08	0.007	0.055	3.1	1.00 - 5.00
5B-00168	20388	Th-234	1.29	0.12	0.075	3.19	1.00 - 5.00
5B-00168	20388	Tl-208	0.38	0.013	0.015	0.937	1.00 - 5.00
5B-00168	20388	Tm-171	-1.7 U J	4.7	1.4	72.4	1.00 - 5.00
5B-00168	20388	U-233/234	0.781	0.014	0.046	2.02	1.00 - 5.00
5B-00168	20388	U-235/236	0.0333	0.012	0.0077	0.151	1.00 - 5.00
5B-00168	20388	U-238	0.774	0.003	0.045	1.8	1.00 - 5.00
5B-00169	20389	Ac-227	0.035 U	0.11	0.03	0.217	1.00 - 2.50
5B-00169	20389	Ac-228	1.16	0.057	0.04	2.4	1.00 - 2.50
5B-00169	20389	Am-241	0 U	0.0053	0.0011	0.0454	1.00 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00169	20389	Bi-212	0.949	0.099	0.065	2.15	1.00 - 2.50
5B-00169	20389	Bi-214	0.87	0.022	0.033	1.59	1.00 - 2.50
5B-00169	20389	Cd-113m	7.4 U	30	9	3030	1.00 - 2.50
5B-00169	20389	Cm-243/244	-0.002 U J	0.011	0.0025	0.0443	1.00 - 2.50
5B-00169	20389	Cm-245/246	0.0017 U J	0.0061	0.0017	0.0401	1.00 - 2.50
5B-00169	20389	Cm-247/248	-0.002 U J	0.0076	0.0013	0.0306	1.00 - 2.50
5B-00169	20389	Co-60	-0.002 U	0.013	0.004	0.028	1.00 - 2.50
5B-00169	20389	Cs-134	0.0141 U	0.033	0.0031	0.0864	1.00 - 2.50
5B-00169	20389	Cs-137	0.0282	0.01	0.005	0.207	1.00 - 2.50
5B-00169	20389	Eu-152	-0.01 U	0.03	0.0092	0.0566	1.00 - 2.50
5B-00169	20389	Eu-154	0.0022 U	0.072	0.003	0.15	1.00 - 2.50
5B-00169	20389	Eu-155	0.0187 SK	0.027	0.0083	0.231	1.00 - 2.50
5B-00169	20389	Ho-166m	0.0043 U	0.018	0.0027	0.0432	1.00 - 2.50
5B-00169	20389	K-40	19.5	0.15	0.65	32.4	1.00 - 2.50
5B-00169	20389	Na-22	0.0027 U	0.016	0.0048	0.037	1.00 - 2.50
5B-00169	20389	Nb-94	0.0041 U	0.01	0.0024	0.0214	1.00 - 2.50
5B-00169	20389	Np-236	0.0145 SK	0.022	0.0068	0.047	1.00 - 2.50
5B-00169	20389	Np-239	0.05	0.061	0.026	0.139	1.00 - 2.50
5B-00169	20389	Pa-231	-0.1 U J	0.47	0.14	0.936	1.00 - 2.50
5B-00169	20389	Pb-212	1.41	0.024	0.075	2.69	1.00 - 2.50
5B-00169	20389	Pb-214	0.955	0.021	0.035	1.7	1.00 - 2.50
5B-00169	20389	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 2.50
5B-00169	20389	Pu-238	0 U	0.0021	0.0007	0.0415	1.00 - 2.50
5B-00169	20389	Pu-239/240	0.0024	0.0021	0.0014	0.0404	1.00 - 2.50
5B-00169	20389	Pu-244	0.0024	0.0021	0.0014	0.0313	1.00 - 2.50
5B-00169	20389	Sb-125	0.136 SK	0.029	0.0093	0.354	1.00 - 2.50
5B-00169	20389	Sn-126	-6E-04 U	0.012	0.0035	0.0237	1.00 - 2.50
5B-00169	20389	Sr-90	0.047	0.058	0.018	0.485	1.00 - 2.50
5B-00169	20389	Te-125m	0.0314 SK	0.0066	0.0021	0.0838	1.00 - 2.50
5B-00169	20389	Th-228	1.28	0.021	0.066	3.98	1.00 - 2.50
5B-00169	20389	Th-229	0.0063	0.011	0.0038	0.145	1.00 - 2.50
5B-00169	20389	Th-230	0.915	0.003	0.051	2.2	1.00 - 2.50
5B-00169	20389	Th-232	1.19	0.003	0.063	3.1	1.00 - 2.50
5B-00169	20389	Th-234	1.53 R	0.13	0.085	3.19	1.00 - 2.50
5B-00169	20389	Tl-208	0.443	0.013	0.017	0.937	1.00 - 2.50
5B-00169	20389	Tm-171	0.2 U J	5.2	1.6	72.4	1.00 - 2.50
5B-00169	20389	U-233/234	1.1 J	0.016	0.064	2.02	1.00 - 2.50
5B-00169	20389	U-235/236	0.05 J	0.02	0.012	0.151	1.00 - 2.50
5B-00169	20389	U-238	1.17 J	0.016	0.067	1.8	1.00 - 2.50
5B-00169	20390	Ac-227	0.056 U J	0.15	0.052	0.217	0.00 - 0.50
5B-00169	20390	Ac-228	1.35	0.1	0.054	2.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00169	20390	Am-241	0.0017 U	0.0023	0.0012	0.0454	0.00 - 0.50
5B-00169	20390	Bi-212	1.01	0.15	0.085	2.15	0.00 - 0.50
5B-00169	20390	Bi-214	0.864	0.035	0.034	1.59	0.00 - 0.50
5B-00169	20390	Cd-113m	1 U	46	14	3030	0.00 - 0.50
5B-00169	20390	Cm-243/244	0.0008 U	0.0022	0.0008	0.0443	0.00 - 0.50
5B-00169	20390	Cm-245/246	0 U J	0.0026	0.0011	0.0401	0.00 - 0.50
5B-00169	20390	Cm-247/248	0.001 U	0.0026	0.001	0.0306	0.00 - 0.50
5B-00169	20390	Co-60	0.0023 U	0.022	0.0046	0.028	0.00 - 0.50
5B-00169	20390	Cs-134	0.0121 U	0.036	0.0043	0.0864	0.00 - 0.50
5B-00169	20390	Cs-137	0.0942	0.02	0.008	0.207	0.00 - 0.50
5B-00169	20390	Eu-152	-0.013 U	0.044	0.013	0.0566	0.00 - 0.50
5B-00169	20390	Eu-154	-0.068 U	0.12	0.036	0.15	0.00 - 0.50
5B-00169	20390	Eu-155	0.074 SK	0.036	0.014	0.231	0.00 - 0.50
5B-00169	20390	Ho-166m	-8E-04 U	0.029	0.0005	0.0432	0.00 - 0.50
5B-00169	20390	K-40	20.9	0.2	0.65	32.4	0.00 - 0.50
5B-00169	20390	Na-22	0.0073 U	0.028	0.0085	0.037	0.00 - 0.50
5B-00169	20390	Nb-94	0.0041 U	0.017	0.0035	0.0214	0.00 - 0.50
5B-00169	20390	Np-236	0.0065 U	0.032	0.0095	0.047	0.00 - 0.50
5B-00169	20390	Np-239	0.0005 U	0.099	0.03	0.139	0.00 - 0.50
5B-00169	20390	Pa-231	-0.33 U	0.68	0.21	0.936	0.00 - 0.50
5B-00169	20390	Pb-212	1.64	0.027	0.067	2.69	0.00 - 0.50
5B-00169	20390	Pb-214	0.935	0.029	0.033	1.7	0.00 - 0.50
5B-00169	20390	Pu-236	0.0008 U	0.0022	0.0008	7.79	0.00 - 0.50
5B-00169	20390	Pu-238	-5E-04 U	0.0085	0.0019	0.0415	0.00 - 0.50
5B-00169	20390	Pu-239/240	0.0006 U	0.0058	0.0014	0.0404	0.00 - 0.50
5B-00169	20390	Pu-244	0.0016	0.0022	0.0011	0.0313	0.00 - 0.50
5B-00169	20390	Sb-125	0.12 SK	0.05	0.01	0.354	0.00 - 0.50
5B-00169	20390	Sn-126	0.0024 U	0.019	0.0057	0.0237	0.00 - 0.50
5B-00169	20390	Sr-90	-0.006 U	0.04	0.011	0.485	0.00 - 0.50
5B-00169	20390	Te-125m	0.0277 SK	0.012	0.0024	0.0838	0.00 - 0.50
5B-00169	20390	Th-228	1.25	0.026	0.066	3.98	0.00 - 0.50
5B-00169	20390	Th-229	0.005 J	0.011	0.0035	0.145	0.00 - 0.50
5B-00169	20390	Th-230	1	0.014	0.055	2.2	0.00 - 0.50
5B-00169	20390	Th-232	1.11	0.009	0.06	3.1	0.00 - 0.50
5B-00169	20390	Th-234	0.721 R	0.18	0.062	3.19	0.00 - 0.50
5B-00169	20390	Tl-208	0.502	0.022	0.02	0.937	0.00 - 0.50
5B-00169	20390	Tm-171	2.8 U	6.5	2	72.4	0.00 - 0.50
5B-00169	20390	U-233/234	0.942	0.003	0.051	2.02	0.00 - 0.50
5B-00169	20390	U-235/236	0.0535	0.013	0.0094	0.151	0.00 - 0.50
5B-00169	20390	U-238	0.956	0.003	0.052	1.8	0.00 - 0.50
5B-00170	20391	Ac-227	0.029 U	0.14	0.051	0.217	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00170	20391	Ac-228	1.29	0.085	0.044	2.4	1.00 - 2.00
5B-00170	20391	Am-241	0.0042	0.01	0.0032	0.0454	1.00 - 2.00
5B-00170	20391	Bi-212	1.08	0.14	0.082	2.15	1.00 - 2.00
5B-00170	20391	Bi-214	0.808	0.027	0.03	1.59	1.00 - 2.00
5B-00170	20391	Cd-113m	0.9 U	35	10	3030	1.00 - 2.00
5B-00170	20391	Cm-243/244	0.011 J	0.01	0.0045	0.0443	1.00 - 2.00
5B-00170	20391	Cm-245/246	-0.002 U J	0.0098	0.002	0.0401	1.00 - 2.00
5B-00170	20391	Cm-247/248	0.0027 J	0.0024	0.0015	0.0306	1.00 - 2.00
5B-00170	20391	Co-60	0.0027 U	0.019	0.0058	0.028	1.00 - 2.00
5B-00170	20391	Cs-134	0.0003 U	0.017	0.0002	0.0864	1.00 - 2.00
5B-00170	20391	Cs-137	0.011	0.019	0.0077	0.207	1.00 - 2.00
5B-00170	20391	Eu-152	0.01 U	0.04	0.013	0.0566	1.00 - 2.00
5B-00170	20391	Eu-154	-0.027 U	0.11	0.034	0.15	1.00 - 2.00
5B-00170	20391	Eu-155	0.061 SK	0.039	0.012	0.231	1.00 - 2.00
5B-00170	20391	Ho-166m	0.0058 U	0.028	0.0034	0.0432	1.00 - 2.00
5B-00170	20391	K-40	19.1	0.12	0.58	32.4	1.00 - 2.00
5B-00170	20391	Na-22	0.0015 U	0.026	0.0076	0.037	1.00 - 2.00
5B-00170	20391	Nb-94	0.0005 U	0.015	0.0046	0.0214	1.00 - 2.00
5B-00170	20391	Np-236	0.0002 U	0.024	0.0072	0.047	1.00 - 2.00
5B-00170	20391	Np-239	-0.006 U	0.093	0.028	0.139	1.00 - 2.00
5B-00170	20391	Pa-231	0.15 U J	0.58	0.1	0.936	1.00 - 2.00
5B-00170	20391	Pb-212	1.61	0.026	0.066	2.69	1.00 - 2.00
5B-00170	20391	Pb-214	0.89	0.029	0.031	1.7	1.00 - 2.00
5B-00170	20391	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 2.00
5B-00170	20391	Pu-238	0.0007 U	0.0019	0.0007	0.0415	1.00 - 2.00
5B-00170	20391	Pu-239/240	0 U	0.0019	0.0006	0.0404	1.00 - 2.00
5B-00170	20391	Pu-244	0.0014	0.0019	0.001	0.0313	1.00 - 2.00
5B-00170	20391	Sb-125	0.162 SK	0.042	0.014	0.354	1.00 - 2.00
5B-00170	20391	Sn-126	0.002 U	0.017	0.0052	0.0237	1.00 - 2.00
5B-00170	20391	Sr-90	0.023 U	0.047	0.014	0.485	1.00 - 2.00
5B-00170	20391	Te-125m	0.0375 SK	0.0096	0.0031	0.0838	1.00 - 2.00
5B-00170	20391	Th-228	1.39	0.026	0.073	3.98	1.00 - 2.00
5B-00170	20391	Th-229	0.0057	0.011	0.0037	0.145	1.00 - 2.00
5B-00170	20391	Th-230	0.82	0.012	0.048	2.2	1.00 - 2.00
5B-00170	20391	Th-232	1.31	0.01	0.069	3.1	1.00 - 2.00
5B-00170	20391	Th-234	0.34 R	0.17	0.053	3.19	1.00 - 2.00
5B-00170	20391	Tl-208	0.513	0.02	0.02	0.937	1.00 - 2.00
5B-00170	20391	Tm-171	-0.1 U J	4.4	1.3	72.4	1.00 - 2.00
5B-00170	20391	U-233/234	0.943 J	0.017	0.058	2.02	1.00 - 2.00
5B-00170	20391	U-235/236	0.048 J	0.017	0.011	0.151	1.00 - 2.00
5B-00170	20391	U-238	0.97 J	0.017	0.059	1.8	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00171	20392	Ac-227	0.079	0.086	0.018	0.217	1.00 - 2.80
5B-00171	20392	Ac-228	1.23	0.056	0.043	2.4	1.00 - 2.80
5B-00171	20392	Am-241	0.0013 U	0.0094	0.0023	0.0454	1.00 - 2.80
5B-00171	20392	Bi-212	1.02	0.089	0.06	2.15	1.00 - 2.80
5B-00171	20392	Bi-214	0.741	0.021	0.029	1.59	1.00 - 2.80
5B-00171	20392	Cd-113m	8.8 U	32	9.6	3030	1.00 - 2.80
5B-00171	20392	Cm-243/244	0.005 J	0.012	0.0037	0.0443	1.00 - 2.80
5B-00171	20392	Cm-245/246	-0.002 U J	0.0099	0.002	0.0401	1.00 - 2.80
5B-00171	20392	Cm-247/248	0 U J	0.0084	0.0019	0.0306	1.00 - 2.80
5B-00171	20392	Co-60	0.0014 U	0.012	0.0036	0.028	1.00 - 2.80
5B-00171	20392	Cs-134	0.0144 U	0.039	0.0035	0.0864	1.00 - 2.80
5B-00171	20392	Cs-137	-3E-04 U	0.012	0.0036	0.207	1.00 - 2.80
5B-00171	20392	Eu-152	0.003 U	0.018	0.012	0.0566	1.00 - 2.80
5B-00171	20392	Eu-154	0.0053 U	0.061	0.0071	0.15	1.00 - 2.80
5B-00171	20392	Eu-155	0.065 SK	0.029	0.012	0.231	1.00 - 2.80
5B-00171	20392	Ho-166m	0.007 U	0.019	0.0064	0.0432	1.00 - 2.80
5B-00171	20392	K-40	18.7	0.11	0.62	32.4	1.00 - 2.80
5B-00171	20392	Na-22	0.0012 U	0.017	0.005	0.037	1.00 - 2.80
5B-00171	20392	Nb-94	0.0065 SK	0.01	0.0032	0.0214	1.00 - 2.80
5B-00171	20392	Np-236	-0.005 U	0.026	0.0077	0.047	1.00 - 2.80
5B-00171	20392	Np-239	0.048	0.057	0.023	0.139	1.00 - 2.80
5B-00171	20392	Pa-231	0.054 U J	0.47	0.037	0.936	1.00 - 2.80
5B-00171	20392	Pb-212	1.53	0.018	0.081	2.69	1.00 - 2.80
5B-00171	20392	Pb-214	0.816	0.022	0.032	1.7	1.00 - 2.80
5B-00171	20392	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 2.80
5B-00171	20392	Pu-238	0.0003 U	0.0046	0.0009	0.0415	1.00 - 2.80
5B-00171	20392	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	1.00 - 2.80
5B-00171	20392	Pu-244	0.0019	0.0046	0.0014	0.0313	1.00 - 2.80
5B-00171	20392	Sb-125	0.147 SK	0.031	0.0097	0.354	1.00 - 2.80
5B-00171	20392	Sn-126	-4E-04 U	0.0097	0.0029	0.0237	1.00 - 2.80
5B-00171	20392	Sr-90	0.042	0.046	0.015	0.485	1.00 - 2.80
5B-00171	20392	Te-125m	0.0339 SK	0.0072	0.0022	0.0838	1.00 - 2.80
5B-00171	20392	Th-228	1.18	0.017	0.062	3.98	1.00 - 2.80
5B-00171	20392	Th-229	-9E-04 U	0.0093	0.0019	0.145	1.00 - 2.80
5B-00171	20392	Th-230	0.741	0.003	0.043	2.2	1.00 - 2.80
5B-00171	20392	Th-232	1.19	0.01	0.062	3.1	1.00 - 2.80
5B-00171	20392	Th-234	1.33 R	0.12	0.076	3.19	1.00 - 2.80
5B-00171	20392	Tl-208	0.458	0.012	0.017	0.937	1.00 - 2.80
5B-00171	20392	Tm-171	0.9 U J	3.7	1.1	72.4	1.00 - 2.80
5B-00171	20392	U-233/234	0.868 J	0.012	0.052	2.02	1.00 - 2.80
5B-00171	20392	U-235/236	0.0412 J	0.014	0.0096	0.151	1.00 - 2.80

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00171	20392	U-238	0.874 J	0.021	0.052	1.8	1.00 - 2.80
5B-00172	20393	Ac-227	0.028 U	0.12	0.05	0.217	1.00 - 3.50
5B-00172	20393	Ac-228	1.64	0.057	0.055	2.4	1.00 - 3.50
5B-00172	20393	Am-241	0 U	0.0048	0.001	0.0454	1.00 - 3.50
5B-00172	20393	Bi-212	1.24	0.11	0.075	2.15	1.00 - 3.50
5B-00172	20393	Bi-214	0.795	0.021	0.03	1.59	1.00 - 3.50
5B-00172	20393	Cd-113m	-5.5 U	31	9.4	3030	1.00 - 3.50
5B-00172	20393	Cm-243/244	0 U	0.0017	0.0007	0.0443	1.00 - 3.50
5B-00172	20393	Cm-245/246	0 U	0.0081	0.0016	0.0401	1.00 - 3.50
5B-00172	20393	Cm-247/248	0 U	0.0029	0.0012	0.0306	1.00 - 3.50
5B-00172	20393	Co-60	0.0018 U	0.013	0.0038	0.028	1.00 - 3.50
5B-00172	20393	Cs-134	0.0138 U	0.032	0.003	0.0864	1.00 - 3.50
5B-00172	20393	Cs-137	0.0004 U	0.015	0.0044	0.207	1.00 - 3.50
5B-00172	20393	Eu-152	-0.003 U	0.029	0.0088	0.0566	1.00 - 3.50
5B-00172	20393	Eu-154	-0.022 U	0.073	0.022	0.15	1.00 - 3.50
5B-00172	20393	Eu-155	0.123 SK	0.032	0.014	0.231	1.00 - 3.50
5B-00172	20393	Ho-166m	0.0034 U	0.02	0.0022	0.0432	1.00 - 3.50
5B-00172	20393	K-40	19.3	0.14	0.64	32.4	1.00 - 3.50
5B-00172	20393	Na-22	0.0002 U	0.017	0.0051	0.037	1.00 - 3.50
5B-00172	20393	Nb-94	0.0061 SK	0.01	0.0032	0.0214	1.00 - 3.50
5B-00172	20393	Np-236	0.0035 U	0.027	0.0082	0.047	1.00 - 3.50
5B-00172	20393	Np-239	-0.003 U	0.077	0.023	0.139	1.00 - 3.50
5B-00172	20393	Pa-231	-0.18 U	0.48	0.15	0.936	1.00 - 3.50
5B-00172	20393	Pb-212	2.08	0.02	0.11	2.69	1.00 - 3.50
5B-00172	20393	Pb-214	0.916	0.022	0.035	1.7	1.00 - 3.50
5B-00172	20393	Pu-236	0 U	0.0018	0.0006	7.79	1.00 - 3.50
5B-00172	20393	Pu-238	0.0043	0.004	0.0019	0.0415	1.00 - 3.50
5B-00172	20393	Pu-239/240	0.0003 U	0.004	0.0008	0.0404	1.00 - 3.50
5B-00172	20393	Pu-244	0.0027	0.0018	0.0014	0.0313	1.00 - 3.50
5B-00172	20393	Sb-125	0.149 JSK	0.031	0.0085	0.354	1.00 - 3.50
5B-00172	20393	Sn-126	-0.003 U	0.012	0.0036	0.0237	1.00 - 3.50
5B-00172	20393	Sr-90	0.0039 U	0.033	0.0098	0.485	1.00 - 3.50
5B-00172	20393	Te-125m	0.0344 JSK	0.0073	0.002	0.0838	1.00 - 3.50
5B-00172	20393	Th-228	1.78	0.016	0.085	3.98	1.00 - 3.50
5B-00172	20393	Th-229	0.0202	0.011	0.0052	0.145	1.00 - 3.50
5B-00172	20393	Th-230	0.925	0.008	0.048	2.2	1.00 - 3.50
5B-00172	20393	Th-232	1.71	0.006	0.081	3.1	1.00 - 3.50
5B-00172	20393	Th-234	0.468 R	0.14	0.046	3.19	1.00 - 3.50
5B-00172	20393	Tl-208	0.615	0.014	0.023	0.937	1.00 - 3.50
5B-00172	20393	Tm-171	-4.5 L U J	4.8	1.5	72.4	1.00 - 3.50
5B-00172	20393	U-233/234	0.758	0.011	0.041	2.02	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00172	20393	U-235/236	0.0364	0.003	0.0065	0.151	1.00 - 3.50
5B-00172	20393	U-238	0.785	0.008	0.042	1.8	1.00 - 3.50
5B-00172	20394	Ac-227	0.0073 U	0.14	0.0097	0.217	0.00 - 0.50
5B-00172	20394	Ac-228	1.26	0.092	0.045	2.4	0.00 - 0.50
5B-00172	20394	Am-241	0.0053	0.0029	0.0024	0.0454	0.00 - 0.50
5B-00172	20394	Bi-212	1.15	0.16	0.096	2.15	0.00 - 0.50
5B-00172	20394	Bi-214	0.888	0.029	0.033	1.59	0.00 - 0.50
5B-00172	20394	Cd-113m	0.8 U	45	14	3030	0.00 - 0.50
5B-00172	20394	Cm-243/244	-0.001 U	0.014	0.0033	0.0443	0.00 - 0.50
5B-00172	20394	Cm-245/246	0 U J	0.01	0.0021	0.0401	0.00 - 0.50
5B-00172	20394	Cm-247/248	0.0027 U	0.0037	0.0019	0.0306	0.00 - 0.50
5B-00172	20394	Co-60	0.0024 U	0.022	0.0065	0.028	0.00 - 0.50
5B-00172	20394	Cs-134	0.0056 U J	0.017	0.0042	0.0864	0.00 - 0.50
5B-00172	20394	Cs-137	0.0844	0.019	0.0077	0.207	0.00 - 0.50
5B-00172	20394	Eu-152	0.007 U	0.038	0.014	0.0566	0.00 - 0.50
5B-00172	20394	Eu-154	0.0053 U	0.11	0.0052	0.15	0.00 - 0.50
5B-00172	20394	Eu-155	0.017 U R	0.037	0.011	0.231	0.00 - 0.50
5B-00172	20394	Ho-166m	0.0005 U	0.03	0.0005	0.0432	0.00 - 0.50
5B-00172	20394	K-40	20.5	0.17	0.63	32.4	0.00 - 0.50
5B-00172	20394	Na-22	-0.004 U	0.029	0.0085	0.037	0.00 - 0.50
5B-00172	20394	Nb-94	0.0069 U	0.017	0.0037	0.0214	0.00 - 0.50
5B-00172	20394	Np-236	0.0034 U	0.031	0.0095	0.047	0.00 - 0.50
5B-00172	20394	Np-239	0.025 U	0.098	0.03	0.139	0.00 - 0.50
5B-00172	20394	Pa-231	-0.04 U	0.66	0.2	0.936	0.00 - 0.50
5B-00172	20394	Pb-212	1.69	0.027	0.069	2.69	0.00 - 0.50
5B-00172	20394	Pb-214	0.957	0.03	0.033	1.7	0.00 - 0.50
5B-00172	20394	Pu-236	-5E-04 U	0.0056	0.0013	7.79	0.00 - 0.50
5B-00172	20394	Pu-238	-5E-04 U	0.0056	0.0013	0.0415	0.00 - 0.50
5B-00172	20394	Pu-239/240	0.0019	0.0013	0.0009	0.0404	0.00 - 0.50
5B-00172	20394	Pu-244	0.0023	0.0013	0.001	0.0313	0.00 - 0.50
5B-00172	20394	Sb-125	0.176 SK	0.05	0.015	0.354	0.00 - 0.50
5B-00172	20394	Sn-126	0.0037 U	0.019	0.0058	0.0237	0.00 - 0.50
5B-00172	20394	Sr-90	0.006 U	0.042	0.012	0.485	0.00 - 0.50
5B-00172	20394	Te-125m	0.0406 SK	0.012	0.0034	0.0838	0.00 - 0.50
5B-00172	20394	Th-228	1.26	0.015	0.062	3.98	0.00 - 0.50
5B-00172	20394	Th-229	0.0103	0.0028	0.0033	0.145	0.00 - 0.50
5B-00172	20394	Th-230	0.88	0.009	0.046	2.2	0.00 - 0.50
5B-00172	20394	Th-232	1.26	0.006	0.062	3.1	0.00 - 0.50
5B-00172	20394	Th-234	0.724	0.18	0.061	3.19	0.00 - 0.50
5B-00172	20394	Tl-208	0.512	0.018	0.019	0.937	0.00 - 0.50
5B-00172	20394	Tm-171	-0.5 U	6.1	1.9	72.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00172	20394	U-233/234	0.908	0.01	0.048	2.02	0.00 - 0.50
5B-00172	20394	U-235/236	0.0319	0.011	0.0068	0.151	0.00 - 0.50
5B-00172	20394	U-238	0.898	0.007	0.048	1.8	0.00 - 0.50
5B-00173	20395	Ac-227	0.059	0.084	0.026	0.217	1.00 - 3.00
5B-00173	20395	Ac-228	1.21	0.058	0.042	2.4	1.00 - 3.00
5B-00173	20395	Am-241	0 U	0.011	0.0024	0.0454	1.00 - 3.00
5B-00173	20395	Bi-212	0.985	0.099	0.063	2.15	1.00 - 3.00
5B-00173	20395	Bi-214	0.862	0.02	0.032	1.59	1.00 - 3.00
5B-00173	20395	Cd-113m	-1.1 U	27	8.1	3030	1.00 - 3.00
5B-00173	20395	Cm-243/244	0.0034 JJ	0.0031	0.002	0.0443	1.00 - 3.00
5B-00173	20395	Cm-245/246	0.0054 JJ	0.0024	0.0022	0.0401	1.00 - 3.00
5B-00173	20395	Cm-247/248	0 U JJ	0.0065	0.0013	0.0306	1.00 - 3.00
5B-00173	20395	Co-60	-0.001 U	0.014	0.0041	0.028	1.00 - 3.00
5B-00173	20395	Cs-134	0.003 U	0.036	0.011	0.0864	1.00 - 3.00
5B-00173	20395	Cs-137	0.0019 U	0.012	0.0037	0.207	1.00 - 3.00
5B-00173	20395	Eu-152	0.0036 U	0.029	0.0025	0.0566	1.00 - 3.00
5B-00173	20395	Eu-154	0.01 U	0.07	0.0047	0.15	1.00 - 3.00
5B-00173	20395	Eu-155	0.064 SK	0.028	0.011	0.231	1.00 - 3.00
5B-00173	20395	Ho-166m	0.0037 U	0.019	0.0076	0.0432	1.00 - 3.00
5B-00173	20395	K-40	21.1	0.14	0.7	32.4	1.00 - 3.00
5B-00173	20395	Na-22	0 U	0.015	0.0045	0.037	1.00 - 3.00
5B-00173	20395	Nb-94	0.004 U	0.011	0.0032	0.0214	1.00 - 3.00
5B-00173	20395	Np-236	-0.002 U	0.027	0.008	0.047	1.00 - 3.00
5B-00173	20395	Np-239	-0.001 U	0.073	0.022	0.139	1.00 - 3.00
5B-00173	20395	Pa-231	-0.11 U J	0.44	0.13	0.936	1.00 - 3.00
5B-00173	20395	Pb-212	1.43	0.022	0.076	2.69	1.00 - 3.00
5B-00173	20395	Pb-214	0.998	0.021	0.037	1.7	1.00 - 3.00
5B-00173	20395	Pu-236	-5E-04 U	0.0045	0.0005	7.79	1.00 - 3.00
5B-00173	20395	Pu-238	0.0015	0.002	0.0011	0.0415	1.00 - 3.00
5B-00173	20395	Pu-239/240	0.0011 U	0.0045	0.0012	0.0404	1.00 - 3.00
5B-00173	20395	Pu-244	0.0037	0.002	0.0017	0.0313	1.00 - 3.00
5B-00173	20395	Sb-125	0.143 SK	0.031	0.01	0.354	1.00 - 3.00
5B-00173	20395	Sn-126	0.0056 U	0.012	0.0036	0.0237	1.00 - 3.00
5B-00173	20395	Sr-90	0.0254	0.03	0.0094	0.485	1.00 - 3.00
5B-00173	20395	Te-125m	0.033 SK	0.0072	0.0023	0.0838	1.00 - 3.00
5B-00173	20395	Th-228	1.18	0.027	0.064	3.98	1.00 - 3.00
5B-00173	20395	Th-229	0.0068	0.015	0.0047	0.145	1.00 - 3.00
5B-00173	20395	Th-230	0.851	0.013	0.05	2.2	1.00 - 3.00
5B-00173	20395	Th-232	1.17	0.01	0.063	3.1	1.00 - 3.00
5B-00173	20395	Th-234	1.36 R	0.13	0.082	3.19	1.00 - 3.00
5B-00173	20395	Tl-208	0.45	0.014	0.018	0.937	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00173	20395	Tm-171	-2.5 U J	5.2	1.6	72.4	1.00 - 3.00
5B-00173	20395	U-233/234	0.953 J	0.026	0.062	2.02	1.00 - 3.00
5B-00173	20395	U-235/236	0.033 J	0.028	0.012	0.151	1.00 - 3.00
5B-00173	20395	U-238	0.839 J	0.022	0.057	1.8	1.00 - 3.00
5B-00173	20396	Ac-227	0.052 U J	0.13	0.038	0.217	0.00 - 0.50
5B-00173	20396	Ac-228	1.26	0.071	0.045	2.4	0.00 - 0.50
5B-00173	20396	Am-241	0.0016 U	0.0058	0.0016	0.0454	0.00 - 0.50
5B-00173	20396	Bi-212	1.03	0.12	0.073	2.15	0.00 - 0.50
5B-00173	20396	Bi-214	0.83	0.026	0.033	1.59	0.00 - 0.50
5B-00173	20396	Cd-113m	10 U	36	11	3030	0.00 - 0.50
5B-00173	20396	Cm-243/244	-0.002 U	0.0072	0.0012	0.0443	0.00 - 0.50
5B-00173	20396	Cm-245/246	0.0012 U J	0.0032	0.0012	0.0401	0.00 - 0.50
5B-00173	20396	Cm-247/248	0 U	0.0086	0.0017	0.0306	0.00 - 0.50
5B-00173	20396	Co-60	0.0019 U	0.016	0.0035	0.028	0.00 - 0.50
5B-00173	20396	Cs-134	0.016 U	0.041	0.0045	0.0864	0.00 - 0.50
5B-00173	20396	Cs-137	0.0604	0.011	0.0053	0.207	0.00 - 0.50
5B-00173	20396	Eu-152	0.0006 U	0.037	0.011	0.0566	0.00 - 0.50
5B-00173	20396	Eu-154	0.004 U	0.086	0.011	0.15	0.00 - 0.50
5B-00173	20396	Eu-155	0.085 SK	0.035	0.015	0.231	0.00 - 0.50
5B-00173	20396	Ho-166m	0.0166 SK	0.022	0.0094	0.0432	0.00 - 0.50
5B-00173	20396	K-40	23	0.17	0.77	32.4	0.00 - 0.50
5B-00173	20396	Na-22	0.0025 U	0.022	0.0066	0.037	0.00 - 0.50
5B-00173	20396	Nb-94	0.0001 U	0.013	0.0002	0.0214	0.00 - 0.50
5B-00173	20396	Np-236	0.0014 U	0.029	0.0088	0.047	0.00 - 0.50
5B-00173	20396	Np-239	-0.001 U	0.078	0.024	0.139	0.00 - 0.50
5B-00173	20396	Pa-231	0.11 U	0.55	0.17	0.936	0.00 - 0.50
5B-00173	20396	Pb-212	1.65	0.024	0.087	2.69	0.00 - 0.50
5B-00173	20396	Pb-214	0.912	0.027	0.036	1.7	0.00 - 0.50
5B-00173	20396	Pu-236	-0.002 U	0.008	0.0014	7.79	0.00 - 0.50
5B-00173	20396	Pu-238	0.0003 U	0.0044	0.0009	0.0415	0.00 - 0.50
5B-00173	20396	Pu-239/240	0.0038	0.002	0.0017	0.0404	0.00 - 0.50
5B-00173	20396	Pu-244	0.0045	0.002	0.0018	0.0313	0.00 - 0.50
5B-00173	20396	Sb-125	0.126 SK	0.037	0.01	0.354	0.00 - 0.50
5B-00173	20396	Sn-126	-7E-04 U	0.015	0.0044	0.0237	0.00 - 0.50
5B-00173	20396	Sr-90	-0.002 U	0.039	0.011	0.485	0.00 - 0.50
5B-00173	20396	Te-125m	0.0292 SK	0.0086	0.0023	0.0838	0.00 - 0.50
5B-00173	20396	Th-228	1.15	0.014	0.061	3.98	0.00 - 0.50
5B-00173	20396	Th-229	0.0095	0.0024	0.0029	0.145	0.00 - 0.50
5B-00173	20396	Th-230	0.83	0.003	0.047	2.2	0.00 - 0.50
5B-00173	20396	Th-232	1.06	0.011	0.057	3.1	0.00 - 0.50
5B-00173	20396	Th-234	1.63 R	0.15	0.094	3.19	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00173	20396	Tl-208	0.5	0.016	0.02	0.937	0.00 - 0.50
5B-00173	20396	Tm-171	5.5	5.4	2.2	72.4	0.00 - 0.50
5B-00173	20396	U-233/234	0.843	0.003	0.047	2.02	0.00 - 0.50
5B-00173	20396	U-235/236	0.0422	0.01	0.0082	0.151	0.00 - 0.50
5B-00173	20396	U-238	0.814	0.003	0.046	1.8	0.00 - 0.50
5B-00174	20397	Ac-227	0.031 U	0.12	0.037	0.217	1.00 - 2.50
5B-00174	20397	Ac-228	1.43	0.068	0.05	2.4	1.00 - 2.50
5B-00174	20397	Am-241	0 U	0.0023	0.0009	0.0454	1.00 - 2.50
5B-00174	20397	Bi-212	1.02	0.094	0.052	2.15	1.00 - 2.50
5B-00174	20397	Bi-214	0.871	0.023	0.033	1.59	1.00 - 2.50
5B-00174	20397	Cd-113m	-3 U	36	11	3030	1.00 - 2.50
5B-00174	20397	Cm-243/244	-8E-04 U	0.0061	0.0009	0.0443	1.00 - 2.50
5B-00174	20397	Cm-245/246	0.0006 U	0.0047	0.0012	0.0401	1.00 - 2.50
5B-00174	20397	Cm-247/248	0 U	0.0017	0.0007	0.0306	1.00 - 2.50
5B-00174	20397	Co-60	0.0023 U	0.016	0.0028	0.028	1.00 - 2.50
5B-00174	20397	Cs-134	0.0136 U	0.045	0.0036	0.0864	1.00 - 2.50
5B-00174	20397	Cs-137	0.0074	0.0094	0.0029	0.207	1.00 - 2.50
5B-00174	20397	Eu-152	0.0235 KR	0.033	0.0091	0.0566	1.00 - 2.50
5B-00174	20397	Eu-154	0.0002 U	0.085	0.0002	0.15	1.00 - 2.50
5B-00174	20397	Eu-155	0.097 SK	0.031	0.013	0.231	1.00 - 2.50
5B-00174	20397	Ho-166m	0.0071 U	0.021	0.0055	0.0432	1.00 - 2.50
5B-00174	20397	K-40	20.9	0.15	0.69	32.4	1.00 - 2.50
5B-00174	20397	Na-22	0.004 U	0.019	0.0057	0.037	1.00 - 2.50
5B-00174	20397	Nb-94	0.0048 U	0.012	0.0036	0.0214	1.00 - 2.50
5B-00174	20397	Np-236	-0.007 U	0.028	0.0085	0.047	1.00 - 2.50
5B-00174	20397	Np-239	0.018 U	0.079	0.024	0.139	1.00 - 2.50
5B-00174	20397	Pa-231	0.2 U	0.49	0.15	0.936	1.00 - 2.50
5B-00174	20397	Pb-212	1.8	0.02	0.095	2.69	1.00 - 2.50
5B-00174	20397	Pb-214	0.984	0.022	0.037	1.7	1.00 - 2.50
5B-00174	20397	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 2.50
5B-00174	20397	Pu-238	0.0038	0.0021	0.0017	0.0415	1.00 - 2.50
5B-00174	20397	Pu-239/240	0.0026	0.0046	0.0016	0.0404	1.00 - 2.50
5B-00174	20397	Pu-244	0.0023	0.0021	0.0013	0.0313	1.00 - 2.50
5B-00174	20397	Sb-125	0.113 JSK	0.037	0.0075	0.354	1.00 - 2.50
5B-00174	20397	Sn-126	0.0021 U	0.013	0.004	0.0237	1.00 - 2.50
5B-00174	20397	Sr-90	-0.013 U	0.037	0.01	0.485	1.00 - 2.50
5B-00174	20397	Te-125m	0.026 JSK	0.0085	0.0017	0.0838	1.00 - 2.50
5B-00174	20397	Th-228	1.45	0.019	0.073	3.98	1.00 - 2.50
5B-00174	20397	Th-229	0.0154	0.01	0.0046	0.145	1.00 - 2.50
5B-00174	20397	Th-230	0.943	0.008	0.051	2.2	1.00 - 2.50
5B-00174	20397	Th-232	1.36	0.003	0.069	3.1	1.00 - 2.50

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00174	20397	Th-234	1.58 R	0.14	0.091	3.19	1.00 - 2.50
5B-00174	20397	Tl-208	0.534	0.016	0.021	0.937	1.00 - 2.50
5B-00174	20397	Tm-171	-6.1 R U J	4.6	1.5	72.4	1.00 - 2.50
5B-00174	20397	U-233/234	0.919	0.012	0.05	2.02	1.00 - 2.50
5B-00174	20397	U-235/236	0.0498	0.0036	0.0084	0.151	1.00 - 2.50
5B-00174	20397	U-238	0.917	0.003	0.05	1.8	1.00 - 2.50
5B-00175	20398	Ac-227	0.046 U	0.1	0.022	0.217	1.00 - 4.50
5B-00175	20398	Ac-228	1.16	0.061	0.041	2.4	1.00 - 4.50
5B-00175	20398	Am-241	0.0011 U	0.013	0.0035	0.0454	1.00 - 4.50
5B-00175	20398	Bi-212	1	0.1	0.068	2.15	1.00 - 4.50
5B-00175	20398	Bi-214	0.757	0.022	0.03	1.59	1.00 - 4.50
5B-00175	20398	Cd-113m	1.5 U	33	9.9	3030	1.00 - 4.50
5B-00175	20398	Cm-243/244	0.0033	0.0029	0.0019	0.0443	1.00 - 4.50
5B-00175	20398	Cm-245/246	-0.002 U J	0.012	0.0024	0.0401	1.00 - 4.50
5B-00175	20398	Cm-247/248	0.0033 U	0.01	0.003	0.0306	1.00 - 4.50
5B-00175	20398	Co-60	0.0015 U	0.014	0.0034	0.028	1.00 - 4.50
5B-00175	20398	Cs-134	0.0097 U	0.042	0.003	0.0864	1.00 - 4.50
5B-00175	20398	Cs-137	-0.008 U	0.013	0.004	0.207	1.00 - 4.50
5B-00175	20398	Eu-152	0.0004 U	0.023	0.0069	0.0566	1.00 - 4.50
5B-00175	20398	Eu-154	0.014 U	0.076	0.011	0.15	1.00 - 4.50
5B-00175	20398	Eu-155	0.077 SK	0.029	0.013	0.231	1.00 - 4.50
5B-00175	20398	Ho-166m	0.0008 U R	0.019	0.008	0.0432	1.00 - 4.50
5B-00175	20398	K-40	18.4	0.13	0.61	32.4	1.00 - 4.50
5B-00175	20398	Na-22	-2E-04 U	0.016	0.0048	0.037	1.00 - 4.50
5B-00175	20398	Nb-94	0.0036 U	0.011	0.0032	0.0214	1.00 - 4.50
5B-00175	20398	Np-236	-0.007 U	0.026	0.0078	0.047	1.00 - 4.50
5B-00175	20398	Np-239	0.016 U	0.073	0.022	0.139	1.00 - 4.50
5B-00175	20398	Pa-231	-0.02 U	0.49	0.15	0.936	1.00 - 4.50
5B-00175	20398	Pb-212	1.46	0.019	0.077	2.69	1.00 - 4.50
5B-00175	20398	Pb-214	0.828	0.021	0.032	1.7	1.00 - 4.50
5B-00175	20398	Pu-236	0 U	0.0018	0.0006	7.79	1.00 - 4.50
5B-00175	20398	Pu-238	0.0041	0.0018	0.0017	0.0415	1.00 - 4.50
5B-00175	20398	Pu-239/240	0.0009 U	0.004	0.0011	0.0404	1.00 - 4.50
5B-00175	20398	Pu-244	0.003	0.004	0.0016	0.0313	1.00 - 4.50
5B-00175	20398	Sb-125	0.133 SK	0.031	0.0097	0.354	1.00 - 4.50
5B-00175	20398	Sn-126	0 U	0.012	0.0037	0.0237	1.00 - 4.50
5B-00175	20398	Sr-90	0.013 U	0.038	0.012	0.485	1.00 - 4.50
5B-00175	20398	Te-125m	0.0306 SK	0.0071	0.0022	0.0838	1.00 - 4.50
5B-00175	20398	Th-228	1.3	0.012	0.066	3.98	1.00 - 4.50
5B-00175	20398	Th-229	0.0079	0.011	0.0039	0.145	1.00 - 4.50
5B-00175	20398	Th-230	0.805	0.003	0.044	2.2	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00175	20398	Th-232	1.29	0.011	0.065	3.1	1.00 - 4.50
5B-00175	20398	Th-234	1.34 R	0.13	0.079	3.19	1.00 - 4.50
5B-00175	20398	Tl-208	0.447	0.014	0.017	0.937	1.00 - 4.50
5B-00175	20398	Tm-171	-3.2 JU	4.3	1.3	72.4	1.00 - 4.50
5B-00175	20398	U-233/234	0.663	0.003	0.038	2.02	1.00 - 4.50
5B-00175	20398	U-235/236	0.041	0.0034	0.0073	0.151	1.00 - 4.50
5B-00175	20398	U-238	0.727	0.003	0.041	1.8	1.00 - 4.50
5B-00176	20399	Ac-227	0.033 U	0.11	0.028	0.217	1.00 - 5.00
5B-00176	20399	Ac-228	1.2	0.055	0.041	2.4	1.00 - 5.00
5B-00176	20399	Am-241	0.0018	0.0017	0.0011	0.0454	1.00 - 5.00
5B-00176	20399	Bi-212	0.956	0.092	0.059	2.15	1.00 - 5.00
5B-00176	20399	Bi-214	0.853	0.021	0.032	1.59	1.00 - 5.00
5B-00176	20399	Cd-113m	-0.6 U	29	8.6	3030	1.00 - 5.00
5B-00176	20399	Cm-243/244	0 U	0.0065	0.0016	0.0443	1.00 - 5.00
5B-00176	20399	Cm-245/246	0 U J	0.0071	0.0015	0.0401	1.00 - 5.00
5B-00176	20399	Cm-247/248	0.001 U	0.0026	0.001	0.0306	1.00 - 5.00
5B-00176	20399	Co-60	-0.002 U	0.013	0.0038	0.028	1.00 - 5.00
5B-00176	20399	Cs-134	0.0162 SK	0.032	0.0037	0.0864	1.00 - 5.00
5B-00176	20399	Cs-137	-0.006 U	0.013	0.0039	0.207	1.00 - 5.00
5B-00176	20399	Eu-152	0.0054 U	0.031	0.0033	0.0566	1.00 - 5.00
5B-00176	20399	Eu-154	0.016 U	0.058	0.012	0.15	1.00 - 5.00
5B-00176	20399	Eu-155	0.047 SK	0.035	0.011	0.231	1.00 - 5.00
5B-00176	20399	Ho-166m	0.0108 RSK	0.018	0.0054	0.0432	1.00 - 5.00
5B-00176	20399	K-40	18.1	0.12	0.6	32.4	1.00 - 5.00
5B-00176	20399	Na-22	0.0006 U	0.017	0.0051	0.037	1.00 - 5.00
5B-00176	20399	Nb-94	0.002 U	0.01	0.0031	0.0214	1.00 - 5.00
5B-00176	20399	Np-236	-4E-04 U	0.025	0.0076	0.047	1.00 - 5.00
5B-00176	20399	Np-239	0.005 U	0.068	0.021	0.139	1.00 - 5.00
5B-00176	20399	Pa-231	0.07 U	0.47	0.14	0.936	1.00 - 5.00
5B-00176	20399	Pb-212	1.54	0.019	0.081	2.69	1.00 - 5.00
5B-00176	20399	Pb-214	0.979	0.022	0.036	1.7	1.00 - 5.00
5B-00176	20399	Pu-236	0.0025	0.0017	0.0012	7.79	1.00 - 5.00
5B-00176	20399	Pu-238	0.0031	0.0017	0.0014	0.0415	1.00 - 5.00
5B-00176	20399	Pu-239/240	0.0025	0.0017	0.0012	0.0404	1.00 - 5.00
5B-00176	20399	Pu-244	0.0006 U	0.0017	0.0006	0.0313	1.00 - 5.00
5B-00176	20399	Sb-125	0.142 SK	0.031	0.0098	0.354	1.00 - 5.00
5B-00176	20399	Sn-126	0 U	0.0094	0.0028	0.0237	1.00 - 5.00
5B-00176	20399	Sr-90	-0.008 U	0.032	0.009	0.485	1.00 - 5.00
5B-00176	20399	Te-125m	0.0329 SK	0.0071	0.0023	0.0838	1.00 - 5.00
5B-00176	20399	Th-228	1.3	0.016	0.066	3.98	1.00 - 5.00
5B-00176	20399	Th-229	0.0012 U	0.016	0.0043	0.145	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00176	20399	Th-230	0.992	0.007	0.052	2.2	1.00 - 5.00
5B-00176	20399	Th-232	1.25	0.003	0.063	3.1	1.00 - 5.00
5B-00176	20399	Th-234	0.369 R	0.13	0.044	3.19	1.00 - 5.00
5B-00176	20399	Tl-208	0.467	0.015	0.019	0.937	1.00 - 5.00
5B-00176	20399	Tm-171	0.51 U	3.2	0.97	72.4	1.00 - 5.00
5B-00176	20399	U-233/234	0.775	0.008	0.043	2.02	1.00 - 5.00
5B-00176	20399	U-235/236	0.034	0.0096	0.0071	0.151	1.00 - 5.00
5B-00176	20399	U-238	0.783	0.008	0.044	1.8	1.00 - 5.00
5B-00176	20400	Ac-227	0.032 U	0.15	0.015	0.217	0.00 - 0.50
5B-00176	20400	Ac-228	1.11	0.084	0.059	2.4	0.00 - 0.50
5B-00176	20400	Am-241	0.0036	0.0016	0.0015	0.0454	0.00 - 0.50
5B-00176	20400	Bi-212	1.07	0.13	0.08	2.15	0.00 - 0.50
5B-00176	20400	Bi-214	0.666	0.027	0.028	1.59	0.00 - 0.50
5B-00176	20400	Cd-113m	8 U	41	12	3030	0.00 - 0.50
5B-00176	20400	Cm-243/244	0.0006 U	0.0016	0.0006	0.0443	0.00 - 0.50
5B-00176	20400	Cm-245/246	0.0009 U J	0.0025	0.0009	0.0401	0.00 - 0.50
5B-00176	20400	Cm-247/248	-9E-04 U	0.0067	0.001	0.0306	0.00 - 0.50
5B-00176	20400	Co-60	0.0165	0.017	0.0058	0.028	0.00 - 0.50
5B-00176	20400	Cs-134	0.0105 U J	0.041	0.0037	0.0864	0.00 - 0.50
5B-00176	20400	Cs-137	0.058	0.016	0.0058	0.207	0.00 - 0.50
5B-00176	20400	Eu-152	0.0096 U	0.039	0.0065	0.0566	0.00 - 0.50
5B-00176	20400	Eu-154	0.01 U	0.09	0.014	0.15	0.00 - 0.50
5B-00176	20400	Eu-155	0.087 SK	0.038	0.017	0.231	0.00 - 0.50
5B-00176	20400	Ho-166m	0.016 SK	0.021	0.0088	0.0432	0.00 - 0.50
5B-00176	20400	K-40	22.5	0.18	0.76	32.4	0.00 - 0.50
5B-00176	20400	Na-22	0.003 U	0.023	0.0069	0.037	0.00 - 0.50
5B-00176	20400	Nb-94	0.004 U	0.013	0.004	0.0214	0.00 - 0.50
5B-00176	20400	Np-236	0.0001 U	0.032	0.0095	0.047	0.00 - 0.50
5B-00176	20400	Np-239	-0.006 U	0.091	0.027	0.139	0.00 - 0.50
5B-00176	20400	Pa-231	0.008 U	0.58	0.17	0.936	0.00 - 0.50
5B-00176	20400	Pb-212	1.7	0.026	0.09	2.69	0.00 - 0.50
5B-00176	20400	Pb-214	0.71	0.025	0.028	1.7	0.00 - 0.50
5B-00176	20400	Pu-236	-0.002 U	0.0079	0.0014	7.79	0.00 - 0.50
5B-00176	20400	Pu-238	-0.002 U	0.0079	0.0014	0.0415	0.00 - 0.50
5B-00176	20400	Pu-239/240	0.0006 U	0.0058	0.0014	0.0404	0.00 - 0.50
5B-00176	20400	Pu-244	0.0032	0.0022	0.0016	0.0313	0.00 - 0.50
5B-00176	20400	Sb-125	0.12 SK	0.042	0.01	0.354	0.00 - 0.50
5B-00176	20400	Sn-126	0.0007 U J	0.015	0.0045	0.0237	0.00 - 0.50
5B-00176	20400	Sr-90	0.029 U	0.057	0.017	0.485	0.00 - 0.50
5B-00176	20400	Te-125m	0.0277 SK	0.0096	0.0023	0.0838	0.00 - 0.50
5B-00176	20400	Th-228	1.05	0.011	0.052	3.98	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00176	20400	Th-229	0.0082	0.0055	0.0025	0.145	0.00 - 0.50
5B-00176	20400	Th-230	0.604	0.008	0.033	2.2	0.00 - 0.50
5B-00176	20400	Th-232	0.978	0.005	0.049	3.1	0.00 - 0.50
5B-00176	20400	Th-234	0.547 R	0.16	0.055	3.19	0.00 - 0.50
5B-00176	20400	Tl-208	0.512	0.018	0.021	0.937	0.00 - 0.50
5B-00176	20400	Tm-171	-0.7 U	5.9	1.8	72.4	0.00 - 0.50
5B-00176	20400	U-233/234	0.473	0.008	0.028	2.02	0.00 - 0.50
5B-00176	20400	U-235/236	0.0345	0.007	0.0061	0.151	0.00 - 0.50
5B-00176	20400	U-238	0.454	0.002	0.027	1.8	0.00 - 0.50
5B-00177	20401	Ac-227	0.03 U	0.11	0.041	0.217	1.00 - 5.00
5B-00177	20401	Ac-228	1.18	0.055	0.04	2.4	1.00 - 5.00
5B-00177	20401	Am-241	0.0041	0.0016	0.0016	0.0454	1.00 - 5.00
5B-00177	20401	Bi-212	0.937	0.094	0.061	2.15	1.00 - 5.00
5B-00177	20401	Bi-214	0.819	0.019	0.031	1.59	1.00 - 5.00
5B-00177	20401	Cd-113m	5.8 U	31	9.4	3030	1.00 - 5.00
5B-00177	20401	Cm-243/244	0 U	0.0016	0.0006	0.0443	1.00 - 5.00
5B-00177	20401	Cm-245/246	0 U J	0.013	0.003	0.0401	1.00 - 5.00
5B-00177	20401	Cm-247/248	0.0012 U	0.0031	0.0012	0.0306	1.00 - 5.00
5B-00177	20401	Co-60	-0.004 U	0.013	0.0039	0.028	1.00 - 5.00
5B-00177	20401	Cs-134	0.0096 U	0.03	0.0057	0.0864	1.00 - 5.00
5B-00177	20401	Cs-137	-0.005 U	0.012	0.0035	0.207	1.00 - 5.00
5B-00177	20401	Eu-152	0.0134 U	0.028	0.0068	0.0566	1.00 - 5.00
5B-00177	20401	Eu-154	0.0098 U	0.066	0.0089	0.15	1.00 - 5.00
5B-00177	20401	Eu-155	0.075 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00177	20401	Ho-166m	0.0037 U R	0.018	0.0044	0.0432	1.00 - 5.00
5B-00177	20401	K-40	16.8	0.13	0.56	32.4	1.00 - 5.00
5B-00177	20401	Na-22	0.0057 U	0.016	0.0048	0.037	1.00 - 5.00
5B-00177	20401	Nb-94	0.0041 U	0.0096	0.0029	0.0214	1.00 - 5.00
5B-00177	20401	Np-236	0.0037 U	0.025	0.0075	0.047	1.00 - 5.00
5B-00177	20401	Np-239	-0.028 U	0.071	0.022	0.139	1.00 - 5.00
5B-00177	20401	Pa-231	0.01 U	0.42	0.13	0.936	1.00 - 5.00
5B-00177	20401	Pb-212	1.41	0.024	0.075	2.69	1.00 - 5.00
5B-00177	20401	Pb-214	0.903	0.021	0.034	1.7	1.00 - 5.00
5B-00177	20401	Pu-236	0.0007 U	0.0018	0.0007	7.79	1.00 - 5.00
5B-00177	20401	Pu-238	0.0003 U	0.0039	0.0008	0.0415	1.00 - 5.00
5B-00177	20401	Pu-239/240	0.0013	0.0018	0.0009	0.0404	1.00 - 5.00
5B-00177	20401	Pu-244	0.0029	0.0039	0.0015	0.0313	1.00 - 5.00
5B-00177	20401	Sb-125	0.03 SK	0.025	0.011	0.354	1.00 - 5.00
5B-00177	20401	Sn-126	0.0023 U	0.011	0.0032	0.0237	1.00 - 5.00
5B-00177	20401	Sr-90	-0.008 U	0.039	0.011	0.485	1.00 - 5.00
5B-00177	20401	Te-125m	0.0069 SK	0.0059	0.0026	0.0838	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00177	20401	Th-228	1.24	0.018	0.064	3.98	1.00 - 5.00
5B-00177	20401	Th-229	0.0072	0.012	0.0041	0.145	1.00 - 5.00
5B-00177	20401	Th-230	0.924	0.013	0.05	2.2	1.00 - 5.00
5B-00177	20401	Th-232	1.28	0.003	0.065	3.1	1.00 - 5.00
5B-00177	20401	Th-234	0.354 R	0.12	0.041	3.19	1.00 - 5.00
5B-00177	20401	Tl-208	0.456	0.014	0.018	0.937	1.00 - 5.00
5B-00177	20401	Tm-171	0.4 U	4.1	1.2	72.4	1.00 - 5.00
5B-00177	20401	U-233/234	0.694	0.002	0.036	2.02	1.00 - 5.00
5B-00177	20401	U-235/236	0.0351	0.0063	0.0058	0.151	1.00 - 5.00
5B-00177	20401	U-238	0.637	0.002	0.034	1.8	1.00 - 5.00
5B-00178	20402	Ac-227	0.04 U	0.1	0.03	0.217	1.00 - 5.00
5B-00178	20402	Ac-228	1.07	0.063	0.038	2.4	1.00 - 5.00
5B-00178	20402	Am-241	0.0052	0.0028	0.0023	0.0454	1.00 - 5.00
5B-00178	20402	Bi-212	0.88	0.082	0.053	2.15	1.00 - 5.00
5B-00178	20402	Bi-214	0.812	0.018	0.03	1.59	1.00 - 5.00
5B-00178	20402	Cd-113m	5.5 U	30	9.1	3030	1.00 - 5.00
5B-00178	20402	Cm-243/244	0 U	0.0028	0.0011	0.0443	1.00 - 5.00
5B-00178	20402	Cm-245/246	-0.001 U J	0.0095	0.0014	0.0401	1.00 - 5.00
5B-00178	20402	Cm-247/248	-0.001 U	0.012	0.0024	0.0306	1.00 - 5.00
5B-00178	20402	Co-60	0 U	0.0089	0.0001	0.028	1.00 - 5.00
5B-00178	20402	Cs-134	0.0122 U	0.033	0.0029	0.0864	1.00 - 5.00
5B-00178	20402	Cs-137	0.0083	0.0074	0.0023	0.207	1.00 - 5.00
5B-00178	20402	Eu-152	0.0107 U	0.028	0.007	0.0566	1.00 - 5.00
5B-00178	20402	Eu-154	0.0099 U	0.046	0.0083	0.15	1.00 - 5.00
5B-00178	20402	Eu-155	0.077 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00178	20402	Ho-166m	0.0052 U R	0.017	0.0046	0.0432	1.00 - 5.00
5B-00178	20402	K-40	18.1	0.12	0.6	32.4	1.00 - 5.00
5B-00178	20402	Na-22	0.0003 U	0.018	0.0053	0.037	1.00 - 5.00
5B-00178	20402	Nb-94	0.0075 SK	0.0065	0.0026	0.0214	1.00 - 5.00
5B-00178	20402	Np-236	-0.01 U	0.024	0.0074	0.047	1.00 - 5.00
5B-00178	20402	Np-239	0.006 U	0.067	0.02	0.139	1.00 - 5.00
5B-00178	20402	Pa-231	0.0006 U	0.43	0.13	0.936	1.00 - 5.00
5B-00178	20402	Pb-212	1.39	0.018	0.073	2.69	1.00 - 5.00
5B-00178	20402	Pb-214	0.905	0.021	0.034	1.7	1.00 - 5.00
5B-00178	20402	Pu-236	0.0006 U	0.0052	0.0012	7.79	1.00 - 5.00
5B-00178	20402	Pu-238	-0.003 L U	0.0076	0.0012	0.0415	1.00 - 5.00
5B-00178	20402	Pu-239/240	0.0003 U	0.0042	0.0009	0.0404	1.00 - 5.00
5B-00178	20402	Pu-244	0.0001 U	0.0059	0.0013	0.0313	1.00 - 5.00
5B-00178	20402	Sb-125	0.126 SK	0.027	0.0089	0.354	1.00 - 5.00
5B-00178	20402	Sn-126	0.0032 U	0.011	0.0032	0.0237	1.00 - 5.00
5B-00178	20402	Sr-90	-0.004 U	0.036	0.01	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00178	20402	Te-125m	0.0292 SK	0.0063	0.0021	0.0838	1.00 - 5.00
5B-00178	20402	Th-228	1.37	0.02	0.072	3.98	1.00 - 5.00
5B-00178	20402	Th-229	0.0099	0.009	0.004	0.145	1.00 - 5.00
5B-00178	20402	Th-230	0.955	0.003	0.053	2.2	1.00 - 5.00
5B-00178	20402	Th-232	1.28	0.003	0.067	3.1	1.00 - 5.00
5B-00178	20402	Th-234	1.31 R	0.12	0.074	3.19	1.00 - 5.00
5B-00178	20402	Tl-208	0.434	0.012	0.017	0.937	1.00 - 5.00
5B-00178	20402	Tm-171	-1.5 U	4.9	1.5	72.4	1.00 - 5.00
5B-00178	20402	U-233/234	0.823	0.014	0.047	2.02	1.00 - 5.00
5B-00178	20402	U-235/236	0.0441	0.012	0.0088	0.151	1.00 - 5.00
5B-00178	20402	U-238	0.775	0.003	0.045	1.8	1.00 - 5.00
5B-00178	20403	Ac-227	0.019 U	0.12	0.031	0.217	0.00 - 0.50
5B-00178	20403	Ac-228	1.2	0.069	0.042	2.4	0.00 - 0.50
5B-00178	20403	Am-241	0.0023	0.0021	0.0013	0.0454	0.00 - 0.50
5B-00178	20403	Bi-212	0.96	0.12	0.072	2.15	0.00 - 0.50
5B-00178	20403	Bi-214	0.734	0.024	0.029	1.59	0.00 - 0.50
5B-00178	20403	Cd-113m	3.3 U	32	9.5	3030	0.00 - 0.50
5B-00178	20403	Cm-243/244	-8E-04 U	0.0056	0.0009	0.0443	0.00 - 0.50
5B-00178	20403	Cm-245/246	0.0009 U J	0.0023	0.0009	0.0401	0.00 - 0.50
5B-00178	20403	Cm-247/248	-0.002 U	0.0078	0.0013	0.0306	0.00 - 0.50
5B-00178	20403	Co-60	0 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00178	20403	Cs-134	0.0089 U J	0.044	0.0025	0.0864	0.00 - 0.50
5B-00178	20403	Cs-137	0.148	0.011	0.008	0.207	0.00 - 0.50
5B-00178	20403	Eu-152	-0.012 U	0.034	0.01	0.0566	0.00 - 0.50
5B-00178	20403	Eu-154	0.01 U	0.084	0.011	0.15	0.00 - 0.50
5B-00178	20403	Eu-155	0.081 SK	0.033	0.014	0.231	0.00 - 0.50
5B-00178	20403	Ho-166m	-0.004 U	0.02	0.0061	0.0432	0.00 - 0.50
5B-00178	20403	K-40	20.8	0.13	0.69	32.4	0.00 - 0.50
5B-00178	20403	Na-22	0.0054 U	0.02	0.0059	0.037	0.00 - 0.50
5B-00178	20403	Nb-94	0.0022 U	0.011	0.0024	0.0214	0.00 - 0.50
5B-00178	20403	Np-236	-0.01 U	0.025	0.0077	0.047	0.00 - 0.50
5B-00178	20403	Np-239	0.003 U	0.078	0.023	0.139	0.00 - 0.50
5B-00178	20403	Pa-231	-0.17 U	0.51	0.16	0.936	0.00 - 0.50
5B-00178	20403	Pb-212	1.54	0.021	0.081	2.69	0.00 - 0.50
5B-00178	20403	Pb-214	0.838	0.025	0.032	1.7	0.00 - 0.50
5B-00178	20403	Pu-236	0.0013 U	0.0053	0.0014	7.79	0.00 - 0.50
5B-00178	20403	Pu-238	0.002	0.0053	0.0016	0.0415	0.00 - 0.50
5B-00178	20403	Pu-239/240	0.0039	0.0043	0.0019	0.0404	0.00 - 0.50
5B-00178	20403	Pu-244	0.0022	0.002	0.0013	0.0313	0.00 - 0.50
5B-00178	20403	Sb-125	0.119 SK	0.035	0.0086	0.354	0.00 - 0.50
5B-00178	20403	Sn-126	-0.002 U J	0.013	0.0039	0.0237	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00178	20403	Sr-90	0.019 U	0.055	0.017	0.485	0.00 - 0.50
5B-00178	20403	Te-125m	0.0274 SK	0.0081	0.002	0.0838	0.00 - 0.50
5B-00178	20403	Th-228	1.06	0.011	0.053	3.98	0.00 - 0.50
5B-00178	20403	Th-229	0.0138	0.0027	0.0037	0.145	0.00 - 0.50
5B-00178	20403	Th-230	0.827	0.008	0.043	2.2	0.00 - 0.50
5B-00178	20403	Th-232	1.01	0.002	0.05	3.1	0.00 - 0.50
5B-00178	20403	Th-234	1.53 R	0.14	0.087	3.19	0.00 - 0.50
5B-00178	20403	Tl-208	0.467	0.016	0.019	0.937	0.00 - 0.50
5B-00178	20403	Tm-171	-3.1 U	5.7	1.7	72.4	0.00 - 0.50
5B-00178	20403	U-233/234	0.611	0.006	0.034	2.02	0.00 - 0.50
5B-00178	20403	U-235/236	0.0317	0.0029	0.0059	0.151	0.00 - 0.50
5B-00178	20403	U-238	0.634	0.006	0.035	1.8	0.00 - 0.50
5B-00179	20404	Ac-227	0.066	0.1	0.02	0.217	1.00 - 5.00
5B-00179	20404	Ac-228	1.12	0.074	0.043	2.4	1.00 - 5.00
5B-00179	20404	Am-241	0.0034	0.0031	0.002	0.0454	1.00 - 5.00
5B-00179	20404	Bi-212	0.961	0.13	0.077	2.15	1.00 - 5.00
5B-00179	20404	Bi-214	0.893	0.023	0.031	1.59	1.00 - 5.00
5B-00179	20404	Cd-113m	7 U	39	12	3030	1.00 - 5.00
5B-00179	20404	Cm-243/244	0 U	0.003	0.0012	0.0443	1.00 - 5.00
5B-00179	20404	Cm-245/246	0.0027	0.0018	0.0013	0.0401	1.00 - 5.00
5B-00179	20404	Cm-247/248	0 U	0.0049	0.001	0.0306	1.00 - 5.00
5B-00179	20404	Co-60	0.0026 U	0.018	0.0029	0.028	1.00 - 5.00
5B-00179	20404	Cs-134	0.0122 U	0.049	0.003	0.0864	1.00 - 5.00
5B-00179	20404	Cs-137	0.0082	0.015	0.0046	0.207	1.00 - 5.00
5B-00179	20404	Eu-152	0.014 U	0.03	0.01	0.0566	1.00 - 5.00
5B-00179	20404	Eu-154	0.0156 U	0.087	0.0094	0.15	1.00 - 5.00
5B-00179	20404	Eu-155	0.069 SK	0.031	0.013	0.231	1.00 - 5.00
5B-00179	20404	Ho-166m	0.0056 U R	0.023	0.0044	0.0432	1.00 - 5.00
5B-00179	20404	K-40	18	0.13	0.55	32.4	1.00 - 5.00
5B-00179	20404	Na-22	0.0039 U	0.022	0.0067	0.037	1.00 - 5.00
5B-00179	20404	Nb-94	0.0032 U	0.013	0.0039	0.0214	1.00 - 5.00
5B-00179	20404	Np-236	0.003 U	0.03	0.0089	0.047	1.00 - 5.00
5B-00179	20404	Np-239	-0.005 U	0.082	0.025	0.139	1.00 - 5.00
5B-00179	20404	Pa-231	-0.11 U	0.54	0.16	0.936	1.00 - 5.00
5B-00179	20404	Pb-212	1.49	0.023	0.061	2.69	1.00 - 5.00
5B-00179	20404	Pb-214	0.995	0.024	0.034	1.7	1.00 - 5.00
5B-00179	20404	Pu-236	-5E-04 U	0.0048	0.0005	7.79	1.00 - 5.00
5B-00179	20404	Pu-238	0.0031	0.0059	0.002	0.0415	1.00 - 5.00
5B-00179	20404	Pu-239/240	-5E-04 U	0.0048	0.0005	0.0404	1.00 - 5.00
5B-00179	20404	Pu-244	0.0048	0.0022	0.002	0.0313	1.00 - 5.00
5B-00179	20404	Sb-125	0.138 SK	0.038	0.011	0.354	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00179	20404	Sn-126	-0.003 U	0.015	0.0045	0.0237	1.00 - 5.00
5B-00179	20404	Sr-90	-0.01 U	0.032	0.0087	0.485	1.00 - 5.00
5B-00179	20404	Te-125m	0.0319 SK	0.0088	0.0025	0.0838	1.00 - 5.00
5B-00179	20404	Th-228	1.36	0.02	0.071	3.98	1.00 - 5.00
5B-00179	20404	Th-229	0.0037 U	0.011	0.0033	0.145	1.00 - 5.00
5B-00179	20404	Th-230	0.949	0.015	0.053	2.2	1.00 - 5.00
5B-00179	20404	Th-232	1.29	0.009	0.068	3.1	1.00 - 5.00
5B-00179	20404	Th-234	1.36 R	0.14	0.078	3.19	1.00 - 5.00
5B-00179	20404	Tl-208	0.468	0.016	0.018	0.937	1.00 - 5.00
5B-00179	20404	Tm-171	0.5 U	4	1.2	72.4	1.00 - 5.00
5B-00179	20404	U-233/234	0.765	0.007	0.042	2.02	1.00 - 5.00
5B-00179	20404	U-235/236	0.0421	0.0034	0.0074	0.151	1.00 - 5.00
5B-00179	20404	U-238	0.797	0.003	0.044	1.8	1.00 - 5.00
5B-00180	20405	Ac-227	0.039 U J	0.11	0.037	0.217	3.00 - 5.00
5B-00180	20405	Ac-228	1.19	0.056	0.041	2.4	3.00 - 5.00
5B-00180	20405	Am-241	0 U	0.0026	0.0011	0.0454	3.00 - 5.00
5B-00180	20405	Bi-212	0.922	0.086	0.056	2.15	3.00 - 5.00
5B-00180	20405	Bi-214	0.876	0.02	0.033	1.59	3.00 - 5.00
5B-00180	20405	Cd-113m	-3.3 U	32	9.7	3030	3.00 - 5.00
5B-00180	20405	Cm-243/244	-0.002 U	0.0089	0.0015	0.0443	3.00 - 5.00
5B-00180	20405	Cm-245/246	-0.001 U J	0.009	0.0014	0.0401	3.00 - 5.00
5B-00180	20405	Cm-247/248	0 U	0.0033	0.0013	0.0306	3.00 - 5.00
5B-00180	20405	Co-60	-0.002 U	0.013	0.004	0.028	3.00 - 5.00
5B-00180	20405	Cs-134	0.0094 U	0.034	0.0026	0.0864	3.00 - 5.00
5B-00180	20405	Cs-137	0.0161	0.0091	0.0042	0.207	3.00 - 5.00
5B-00180	20405	Eu-152	-0.004 U	0.03	0.009	0.0566	3.00 - 5.00
5B-00180	20405	Eu-154	0.0029 U	0.071	0.0054	0.15	3.00 - 5.00
5B-00180	20405	Eu-155	0.078 SK	0.03	0.013	0.231	3.00 - 5.00
5B-00180	20405	Ho-166m	0.006 U	0.017	0.0044	0.0432	3.00 - 5.00
5B-00180	20405	K-40	19.3	0.14	0.64	32.4	3.00 - 5.00
5B-00180	20405	Na-22	0.0029 U	0.017	0.005	0.037	3.00 - 5.00
5B-00180	20405	Nb-94	0.0014 U	0.01	0.0023	0.0214	3.00 - 5.00
5B-00180	20405	Np-236	-0.007 U	0.025	0.0076	0.047	3.00 - 5.00
5B-00180	20405	Np-239	-0.012 U	0.072	0.022	0.139	3.00 - 5.00
5B-00180	20405	Pa-231	0.03 U	0.46	0.14	0.936	3.00 - 5.00
5B-00180	20405	Pb-212	1.53	0.02	0.081	2.69	3.00 - 5.00
5B-00180	20405	Pb-214	0.986	0.022	0.037	1.7	3.00 - 5.00
5B-00180	20405	Pu-236	0.0042	0.0064	0.0023	7.79	3.00 - 5.00
5B-00180	20405	Pu-238	-2E-04 U	0.0063	0.0012	0.0415	3.00 - 5.00
5B-00180	20405	Pu-239/240	0 U	0.0024	0.0008	0.0404	3.00 - 5.00
5B-00180	20405	Pu-244	0.0044	0.0024	0.002	0.0313	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00180	20405	Sb-125	0.13 SK	0.031	0.009	0.354	3.00 - 5.00
5B-00180	20405	Sn-126	0.0001 U	0.011	0.0034	0.0237	3.00 - 5.00
5B-00180	20405	Sr-90	0.009 U	0.047	0.014	0.485	3.00 - 5.00
5B-00180	20405	Te-125m	0.0299 SK	0.0072	0.0021	0.0838	3.00 - 5.00
5B-00180	20405	Th-228	1.27	0.02	0.068	3.98	3.00 - 5.00
5B-00180	20405	Th-229	0.0087	0.0026	0.0029	0.145	3.00 - 5.00
5B-00180	20405	Th-230	0.959	0.01	0.054	2.2	3.00 - 5.00
5B-00180	20405	Th-232	1.24	0.01	0.066	3.1	3.00 - 5.00
5B-00180	20405	Th-234	1.5 R	0.13	0.083	3.19	3.00 - 5.00
5B-00180	20405	Tl-208	0.46	0.014	0.018	0.937	3.00 - 5.00
5B-00180	20405	Tm-171	-4.8 R U	4.4	1.4	72.4	3.00 - 5.00
5B-00180	20405	U-233/234	0.949	0.004	0.054	2.02	3.00 - 5.00
5B-00180	20405	U-235/236	0.0473	0.0046	0.0092	0.151	3.00 - 5.00
5B-00180	20405	U-238	0.903	0.004	0.052	1.8	3.00 - 5.00
5B-00181	20406	Ac-227	0.395 RZ	0.1	0.02	0.217	3.00 - 5.00
5B-00181	20406	Ac-228	1.16	0.053	0.04	2.4	3.00 - 5.00
5B-00181	20406	Am-241	0.0011 U	0.013	0.0035	0.0454	3.00 - 5.00
5B-00181	20406	Bi-212	0.895	0.094	0.059	2.15	3.00 - 5.00
5B-00181	20406	Bi-214	0.772	0.018	0.029	1.59	3.00 - 5.00
5B-00181	20406	Cd-113m	1 U	29	8.7	3030	3.00 - 5.00
5B-00181	20406	Cm-243/244	0.0011 U	0.015	0.0041	0.0443	3.00 - 5.00
5B-00181	20406	Cm-245/246	0.0023 U	0.0083	0.0024	0.0401	3.00 - 5.00
5B-00181	20406	Cm-247/248	-0.002 U	0.007	0.0012	0.0306	3.00 - 5.00
5B-00181	20406	Co-60	0.0004 U	0.012	0.0013	0.028	3.00 - 5.00
5B-00181	20406	Cs-134	0.0107 U	0.03	0.0025	0.0864	3.00 - 5.00
5B-00181	20406	Cs-137	-0.007 U	0.011	0.0034	0.207	3.00 - 5.00
5B-00181	20406	Eu-152	0.0007 U	0.017	0.0051	0.0566	3.00 - 5.00
5B-00181	20406	Eu-154	-3E-04 U	0.052	0.016	0.15	3.00 - 5.00
5B-00181	20406	Eu-155	0.079 SK	0.029	0.013	0.231	3.00 - 5.00
5B-00181	20406	Ho-166m	0.0038 U	0.017	0.0023	0.0432	3.00 - 5.00
5B-00181	20406	K-40	17.2	0.13	0.57	32.4	3.00 - 5.00
5B-00181	20406	Na-22	0.0035 U	0.015	0.0046	0.037	3.00 - 5.00
5B-00181	20406	Nb-94	0.004 U	0.0096	0.0029	0.0214	3.00 - 5.00
5B-00181	20406	Np-236	0.0001 U	0.024	0.0073	0.047	3.00 - 5.00
5B-00181	20406	Np-239	-0.001 U	0.053	0.016	0.139	3.00 - 5.00
5B-00181	20406	Pa-231	0.097 U	0.35	0.063	0.936	3.00 - 5.00
5B-00181	20406	Pb-212	1.48	0.019	0.078	2.69	3.00 - 5.00
5B-00181	20406	Pb-214	0.871	0.02	0.033	1.7	3.00 - 5.00
5B-00181	20406	Pu-236	0.0003 U	0.0044	0.0009	7.79	3.00 - 5.00
5B-00181	20406	Pu-238	-1E-04 U	0.0054	0.001	0.0415	3.00 - 5.00
5B-00181	20406	Pu-239/240	0.001 U	0.0044	0.0012	0.0404	3.00 - 5.00

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00181	20406	Pu-244	0.0007 U	0.002	0.0007	0.0313	3.00 - 5.00
5B-00181	20406	Sb-125	0.142 SK	0.021	0.0092	0.354	3.00 - 5.00
5B-00181	20406	Sn-126	-0.002 U	0.01	0.0032	0.0237	3.00 - 5.00
5B-00181	20406	Sr-90	-0.015 U	0.04	0.011	0.485	3.00 - 5.00
5B-00181	20406	Te-125m	0.0328 SK	0.0048	0.0021	0.0838	3.00 - 5.00
5B-00181	20406	Th-228	1.34	0.015	0.066	3.98	3.00 - 5.00
5B-00181	20406	Th-229	0.0112	0.0097	0.0041	0.145	3.00 - 5.00
5B-00181	20406	Th-230	0.942	0.006	0.049	2.2	3.00 - 5.00
5B-00181	20406	Th-232	1.33	0.002	0.065	3.1	3.00 - 5.00
5B-00181	20406	Th-234	0.33 R	0.12	0.04	3.19	3.00 - 5.00
5B-00181	20406	Tl-208	0.466	0.013	0.018	0.937	3.00 - 5.00
5B-00181	20406	Tm-171	-4.6 R U J	4	1.2	72.4	3.00 - 5.00
5B-00181	20406	U-233/234	0.719	0.009	0.042	2.02	3.00 - 5.00
5B-00181	20406	U-235/236	0.0362	0.011	0.0077	0.151	3.00 - 5.00
5B-00181	20406	U-238	0.668	0.003	0.04	1.8	3.00 - 5.00
5B-00181	20407	Ac-227	0.026 U	0.12	0.041	0.217	0.00 - 0.50
5B-00181	20407	Ac-228	1.17	0.09	0.05	2.4	0.00 - 0.50
5B-00181	20407	Am-241	0.0024 U	0.013	0.0035	0.0454	0.00 - 0.50
5B-00181	20407	Bi-212	0.964	0.14	0.085	2.15	0.00 - 0.50
5B-00181	20407	Bi-214	0.92	0.028	0.033	1.59	0.00 - 0.50
5B-00181	20407	Cd-113m	-0.8 U	39	12	3030	0.00 - 0.50
5B-00181	20407	Cm-243/244	0.0012 U	0.014	0.0037	0.0443	0.00 - 0.50
5B-00181	20407	Cm-245/246	0.0015 U J	0.0021	0.0011	0.0401	0.00 - 0.50
5B-00181	20407	Cm-247/248	0 U	0.002	0.0008	0.0306	0.00 - 0.50
5B-00181	20407	Co-60	0.0008 U	0.02	0.0045	0.028	0.00 - 0.50
5B-00181	20407	Cs-134	0.0116 U	0.055	0.0045	0.0864	0.00 - 0.50
5B-00181	20407	Cs-137	0.044	0.013	0.006	0.207	0.00 - 0.50
5B-00181	20407	Eu-152	0.013 U	0.039	0.014	0.0566	0.00 - 0.50
5B-00181	20407	Eu-154	0.024 U	0.064	0.019	0.15	0.00 - 0.50
5B-00181	20407	Eu-155	0.051 SK	0.034	0.013	0.231	0.00 - 0.50
5B-00181	20407	Ho-166m	-4E-04 U	0.021	0.0016	0.0432	0.00 - 0.50
5B-00181	20407	K-40	19.4	0.14	0.59	32.4	0.00 - 0.50
5B-00181	20407	Na-22	-0.004 U	0.026	0.0077	0.037	0.00 - 0.50
5B-00181	20407	Nb-94	0.0048 U	0.014	0.0043	0.0214	0.00 - 0.50
5B-00181	20407	Np-236	-0.01 U	0.032	0.0096	0.047	0.00 - 0.50
5B-00181	20407	Np-239	0.011 U	0.088	0.027	0.139	0.00 - 0.50
5B-00181	20407	Pa-231	-0.005 U	0.55	0.16	0.936	0.00 - 0.50
5B-00181	20407	Pb-212	1.45	0.027	0.06	2.69	0.00 - 0.50
5B-00181	20407	Pb-214	1.07	0.023	0.035	1.7	0.00 - 0.50
5B-00181	20407	Pu-236	0 U	0.0025	0.0008	7.79	0.00 - 0.50
5B-00181	20407	Pu-238	-6E-04 U	0.0054	0.0006	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00181	20407	Pu-239/240	0.0018 U	0.0025	0.0013	0.0404	0.00 - 0.50
5B-00181	20407	Pu-244	0.0022	0.0054	0.0017	0.0313	0.00 - 0.50
5B-00181	20407	Sb-125	0.148 SK	0.039	0.013	0.354	0.00 - 0.50
5B-00181	20407	Sn-126	0.0063 U	0.017	0.005	0.0237	0.00 - 0.50
5B-00181	20407	Sr-90	0.008 U	0.035	0.01	0.485	0.00 - 0.50
5B-00181	20407	Te-125m	0.0342 SK	0.0091	0.0029	0.0838	0.00 - 0.50
5B-00181	20407	Th-228	1.16	0.021	0.062	3.98	0.00 - 0.50
5B-00181	20407	Th-229	0.0155	0.012	0.0051	0.145	0.00 - 0.50
5B-00181	20407	Th-230	0.914	0.003	0.051	2.2	0.00 - 0.50
5B-00181	20407	Th-232	1.17	0.009	0.062	3.1	0.00 - 0.50
5B-00181	20407	Th-234	1.54 R	0.15	0.085	3.19	0.00 - 0.50
5B-00181	20407	Tl-208	0.458	0.017	0.017	0.937	0.00 - 0.50
5B-00181	20407	Tm-171	6.8	5.5	2.2	72.4	0.00 - 0.50
5B-00181	20407	U-233/234	0.882	0.01	0.048	2.02	0.00 - 0.50
5B-00181	20407	U-235/236	0.0357	0.0034	0.0069	0.151	0.00 - 0.50
5B-00181	20407	U-238	0.832	0.008	0.046	1.8	0.00 - 0.50
5B-00182	20408	Ac-227	0.047 U	0.14	0.05	0.217	3.00 - 5.00
5B-00182	20408	Ac-228	1.06	0.083	0.056	2.4	3.00 - 5.00
5B-00182	20408	Am-241	0 U	0.0026	0.0011	0.0454	3.00 - 5.00
5B-00182	20408	Bi-212	0.929	0.13	0.077	2.15	3.00 - 5.00
5B-00182	20408	Bi-214	0.843	0.023	0.03	1.59	3.00 - 5.00
5B-00182	20408	Cd-113m	19	38	12	3030	3.00 - 5.00
5B-00182	20408	Cm-243/244	0.0028	0.0025	0.0016	0.0443	3.00 - 5.00
5B-00182	20408	Cm-245/246	0.0007 U	0.002	0.0007	0.0401	3.00 - 5.00
5B-00182	20408	Cm-247/248	0.0014 U	0.0019	0.001	0.0306	3.00 - 5.00
5B-00182	20408	Co-60	0.0005 U	0.018	0.0006	0.028	3.00 - 5.00
5B-00182	20408	Cs-134	0.0108 U	0.047	0.005	0.0864	3.00 - 5.00
5B-00182	20408	Cs-137	-0.005 U	0.016	0.0047	0.207	3.00 - 5.00
5B-00182	20408	Eu-152	-0.009 U	0.033	0.0099	0.0566	3.00 - 5.00
5B-00182	20408	Eu-154	-0.034 U	0.095	0.029	0.15	3.00 - 5.00
5B-00182	20408	Eu-155	0.056 SK	0.03	0.012	0.231	3.00 - 5.00
5B-00182	20408	Ho-166m	0.013 RSK	0.022	0.012	0.0432	3.00 - 5.00
5B-00182	20408	K-40	17.3	0.12	0.53	32.4	3.00 - 5.00
5B-00182	20408	Na-22	-0.008 U	0.023	0.007	0.037	3.00 - 5.00
5B-00182	20408	Nb-94	0.0032 U	0.014	0.0041	0.0214	3.00 - 5.00
5B-00182	20408	Np-236	-0.003 U	0.03	0.009	0.047	3.00 - 5.00
5B-00182	20408	Np-239	0.002 U	0.078	0.024	0.139	3.00 - 5.00
5B-00182	20408	Pa-231	0.051 U	0.56	0.043	0.936	3.00 - 5.00
5B-00182	20408	Pb-212	1.44	0.026	0.059	2.69	3.00 - 5.00
5B-00182	20408	Pb-214	0.937	0.023	0.031	1.7	3.00 - 5.00
5B-00182	20408	Pu-236	0 U	0.002	0.0007	7.79	3.00 - 5.00

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00182	20408	Pu-238	0.0015	0.002	0.0011	0.0415	3.00 - 5.00
5B-00182	20408	Pu-239/240	0.0008 U	0.002	0.0008	0.0404	3.00 - 5.00
5B-00182	20408	Pu-244	0 U	0.002	0.0007	0.0313	3.00 - 5.00
5B-00182	20408	Sb-125	0.117 SK	0.039	0.0087	0.354	3.00 - 5.00
5B-00182	20408	Sn-126	-3E-04 U	0.014	0.004	0.0237	3.00 - 5.00
5B-00182	20408	Sr-90	-0.006 U	0.035	0.0097	0.485	3.00 - 5.00
5B-00182	20408	Te-125m	0.0271 SK	0.0091	0.002	0.0838	3.00 - 5.00
5B-00182	20408	Th-228	1.35	0.017	0.069	3.98	3.00 - 5.00
5B-00182	20408	Th-229	0.0139	0.017	0.0062	0.145	3.00 - 5.00
5B-00182	20408	Th-230	0.946	0.012	0.051	2.2	3.00 - 5.00
5B-00182	20408	Th-232	1.27	0.003	0.065	3.1	3.00 - 5.00
5B-00182	20408	Th-234	0.335 R	0.15	0.047	3.19	3.00 - 5.00
5B-00182	20408	Tl-208	0.463	0.016	0.017	0.937	3.00 - 5.00
5B-00182	20408	Tm-171	-0.007 U	5.9	1.8	72.4	3.00 - 5.00
5B-00182	20408	U-233/234	0.736	0.003	0.041	2.02	3.00 - 5.00
5B-00182	20408	U-235/236	0.028	0.0032	0.0058	0.151	3.00 - 5.00
5B-00182	20408	U-238	0.728	0.003	0.04	1.8	3.00 - 5.00
5B-00183	20409	Ac-227	0.023 U	0.12	0.038	0.217	3.00 - 5.00
5B-00183	20409	Ac-228	1.1	0.074	0.041	2.4	3.00 - 5.00
5B-00183	20409	Am-241	0.0015	0.0014	0.0009	0.0454	3.00 - 5.00
5B-00183	20409	Bi-212	0.829	0.091	0.054	2.15	3.00 - 5.00
5B-00183	20409	Bi-214	0.887	0.022	0.034	1.59	3.00 - 5.00
5B-00183	20409	Cd-113m	3 U	34	10	3030	3.00 - 5.00
5B-00183	20409	Cm-243/244	0.0025	0.0013	0.0011	0.0443	3.00 - 5.00
5B-00183	20409	Cm-245/246	0.0022	0.002	0.0013	0.0401	3.00 - 5.00
5B-00183	20409	Cm-247/248	0.0007 U	0.0019	0.0007	0.0306	3.00 - 5.00
5B-00183	20409	Co-60	0.0012 U	0.014	0.0041	0.028	3.00 - 5.00
5B-00183	20409	Cs-134	0.0132 U	0.039	0.003	0.0864	3.00 - 5.00
5B-00183	20409	Cs-137	-0.009 JU	0.013	0.004	0.207	3.00 - 5.00
5B-00183	20409	Eu-152	-0.01 U	0.032	0.0096	0.0566	3.00 - 5.00
5B-00183	20409	Eu-154	-0.027 U	0.08	0.024	0.15	3.00 - 5.00
5B-00183	20409	Eu-155	0.063 SK	0.03	0.012	0.231	3.00 - 5.00
5B-00183	20409	Ho-166m	0.0018 U R	0.02	0.0024	0.0432	3.00 - 5.00
5B-00183	20409	K-40	20.2	0.14	0.67	32.4	3.00 - 5.00
5B-00183	20409	Na-22	0.0009 U	0.018	0.0054	0.037	3.00 - 5.00
5B-00183	20409	Nb-94	0.013 SK	0.0089	0.0042	0.0214	3.00 - 5.00
5B-00183	20409	Np-236	-3E-04 U	0.023	0.007	0.047	3.00 - 5.00
5B-00183	20409	Np-239	-0.004 U	0.075	0.022	0.139	3.00 - 5.00
5B-00183	20409	Pa-231	0.004 U	0.44	0.13	0.936	3.00 - 5.00
5B-00183	20409	Pb-212	1.44	0.02	0.076	2.69	3.00 - 5.00
5B-00183	20409	Pb-214	0.955	0.021	0.036	1.7	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00183	20409	Pu-236	0.0006 U	0.0017	0.0006	7.79	3.00 - 5.00
5B-00183	20409	Pu-238	0.0024	0.0045	0.0015	0.0415	3.00 - 5.00
5B-00183	20409	Pu-239/240	0.0006 U	0.0017	0.0006	0.0404	3.00 - 5.00
5B-00183	20409	Pu-244	0.0009 U	0.0037	0.001	0.0313	3.00 - 5.00
5B-00183	20409	Sb-125	0.139 SK	0.033	0.0097	0.354	3.00 - 5.00
5B-00183	20409	Sn-126	0.002 U	0.012	0.0037	0.0237	3.00 - 5.00
5B-00183	20409	Sr-90	-0.009 U	0.037	0.01	0.485	3.00 - 5.00
5B-00183	20409	Te-125m	0.032 SK	0.0077	0.0023	0.0838	3.00 - 5.00
5B-00183	20409	Th-228	1.24	0.017	0.064	3.98	3.00 - 5.00
5B-00183	20409	Th-229	0.0015 U	0.016	0.0041	0.145	3.00 - 5.00
5B-00183	20409	Th-230	0.983	0.012	0.053	2.2	3.00 - 5.00
5B-00183	20409	Th-232	1.15	0.008	0.061	3.1	3.00 - 5.00
5B-00183	20409	Th-234	1.61 R	0.13	0.089	3.19	3.00 - 5.00
5B-00183	20409	Tl-208	0.437	0.014	0.017	0.937	3.00 - 5.00
5B-00183	20409	Tm-171	-2 U	5.2	1.6	72.4	3.00 - 5.00
5B-00183	20409	U-233/234	0.738	0.004	0.036	2.02	3.00 - 5.00
5B-00183	20409	U-235/236	0.0425	0.0016	0.0054	0.151	3.00 - 5.00
5B-00183	20409	U-238	0.749	0.004	0.037	1.8	3.00 - 5.00
5B-00184	20410	Ac-227	0.012 U	0.11	0.032	0.217	3.00 - 4.00
5B-00184	20410	Ac-228	1.18	0.055	0.041	2.4	3.00 - 4.00
5B-00184	20410	Am-241	0 U	0.0055	0.0011	0.0454	3.00 - 4.00
5B-00184	20410	Bi-212	0.903	0.086	0.056	2.15	3.00 - 4.00
5B-00184	20410	Bi-214	0.799	0.019	0.03	1.59	3.00 - 4.00
5B-00184	20410	Cd-113m	0.4 U	30	9.1	3030	3.00 - 4.00
5B-00184	20410	Cm-243/244	0.0007 U	0.0068	0.0017	0.0443	3.00 - 4.00
5B-00184	20410	Cm-245/246	-0.001 U J	0.011	0.0022	0.0401	3.00 - 4.00
5B-00184	20410	Cm-247/248	0.0034	0.0031	0.002	0.0306	3.00 - 4.00
5B-00184	20410	Co-60	0.004 U	0.013	0.0039	0.028	3.00 - 4.00
5B-00184	20410	Cs-134	0.0148 U	0.039	0.0032	0.0864	3.00 - 4.00
5B-00184	20410	Cs-137	0.0218	0.0093	0.0045	0.207	3.00 - 4.00
5B-00184	20410	Eu-152	-0.006 U	0.028	0.0085	0.0566	3.00 - 4.00
5B-00184	20410	Eu-154	-0.017 U	0.071	0.021	0.15	3.00 - 4.00
5B-00184	20410	Eu-155	0.07 SK	0.029	0.012	0.231	3.00 - 4.00
5B-00184	20410	Ho-166m	0.0036 U R	0.017	0.0035	0.0432	3.00 - 4.00
5B-00184	20410	K-40	18.2	0.12	0.61	32.4	3.00 - 4.00
5B-00184	20410	Na-22	-0.003 U	0.017	0.005	0.037	3.00 - 4.00
5B-00184	20410	Nb-94	0.0025 U	0.0097	0.0029	0.0214	3.00 - 4.00
5B-00184	20410	Np-236	-0.003 U	0.025	0.0074	0.047	3.00 - 4.00
5B-00184	20410	Np-239	-0.012 U	0.069	0.021	0.139	3.00 - 4.00
5B-00184	20410	Pa-231	0.321	0.32	0.098	0.936	3.00 - 4.00
5B-00184	20410	Pb-212	1.42	0.018	0.075	2.69	3.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00184	20410	Pb-214	0.911	0.021	0.035	1.7	3.00 - 4.00
5B-00184	20410	Pu-236	0.0001 U	0.0057	0.0013	7.79	3.00 - 4.00
5B-00184	20410	Pu-238	0.0001 U	0.0057	0.0013	0.0415	3.00 - 4.00
5B-00184	20410	Pu-239/240	0.0012 U	0.005	0.0014	0.0404	3.00 - 4.00
5B-00184	20410	Pu-244	0.0017	0.0041	0.0013	0.0313	3.00 - 4.00
5B-00184	20410	Sb-125	0.122 SK	0.031	0.0084	0.354	3.00 - 4.00
5B-00184	20410	Sn-126	0.0016 U	0.011	0.0032	0.0237	3.00 - 4.00
5B-00184	20410	Sr-90	-7E-04 U	0.037	0.011	0.485	3.00 - 4.00
5B-00184	20410	Te-125m	0.0282 SK	0.0071	0.0019	0.0838	3.00 - 4.00
5B-00184	20410	Th-228	1.4	0.027	0.073	3.98	3.00 - 4.00
5B-00184	20410	Th-229	0.0013 U	0.017	0.0045	0.145	3.00 - 4.00
5B-00184	20410	Th-230	1.01	0.013	0.056	2.2	3.00 - 4.00
5B-00184	20410	Th-232	1.23	0.01	0.066	3.1	3.00 - 4.00
5B-00184	20410	Th-234	1.35 R	0.12	0.077	3.19	3.00 - 4.00
5B-00184	20410	Tl-208	0.435	0.013	0.017	0.937	3.00 - 4.00
5B-00184	20410	Tm-171	0.617 U	3.3	0.998	72.4	3.00 - 4.00
5B-00184	20410	U-233/234	0.792	0.005	0.041	2.02	3.00 - 4.00
5B-00184	20410	U-235/236	0.0496	0.0064	0.007	0.151	3.00 - 4.00
5B-00184	20410	U-238	0.814	0.002	0.042	1.8	3.00 - 4.00
5B-00185	20411	Ac-227	0.011 U	0.13	0.038	0.217	3.00 - 5.00
5B-00185	20411	Ac-228	1.12	0.08	0.04	2.4	3.00 - 5.00
5B-00185	20411	Am-241	0.0087	0.0091	0.0038	0.0454	3.00 - 5.00
5B-00185	20411	Bi-212	0.955	0.12	0.068	2.15	3.00 - 5.00
5B-00185	20411	Bi-214	0.888	0.025	0.032	1.59	3.00 - 5.00
5B-00185	20411	Cd-113m	-0.3 U	37	11	3030	3.00 - 5.00
5B-00185	20411	Cm-243/244	0.0024 U	0.017	0.0048	0.0443	3.00 - 5.00
5B-00185	20411	Cm-245/246	0.0022 U J	0.01	0.0028	0.0401	3.00 - 5.00
5B-00185	20411	Cm-247/248	0 U	0.0029	0.0012	0.0306	3.00 - 5.00
5B-00185	20411	Co-60	0.0049 U	0.018	0.0054	0.028	3.00 - 5.00
5B-00185	20411	Cs-134	0.0008 U	0.015	0.0045	0.0864	3.00 - 5.00
5B-00185	20411	Cs-137	0.0167	0.015	0.0055	0.207	3.00 - 5.00
5B-00185	20411	Eu-152	0.007 U	0.035	0.011	0.0566	3.00 - 5.00
5B-00185	20411	Eu-154	-0.003 U	0.098	0.0027	0.15	3.00 - 5.00
5B-00185	20411	Eu-155	0.052 SK	0.031	0.012	0.231	3.00 - 5.00
5B-00185	20411	Ho-166m	0.0174 SK	0.024	0.0093	0.0432	3.00 - 5.00
5B-00185	20411	K-40	17.9	0.13	0.54	32.4	3.00 - 5.00
5B-00185	20411	Na-22	0 U	0.025	0.0065	0.037	3.00 - 5.00
5B-00185	20411	Nb-94	0.0067 SK	0.013	0.004	0.0214	3.00 - 5.00
5B-00185	20411	Np-236	0.0012 U	0.028	0.0084	0.047	3.00 - 5.00
5B-00185	20411	Np-239	-0.017 U	0.082	0.025	0.139	3.00 - 5.00
5B-00185	20411	Pa-231	0.03 U	0.55	0.16	0.936	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00185	20411	Pb-212	1.45	0.021	0.059	2.69	3.00 - 5.00
5B-00185	20411	Pb-214	0.958	0.023	0.032	1.7	3.00 - 5.00
5B-00185	20411	Pu-236	-5E-04 U	0.0049	0.0006	7.79	3.00 - 5.00
5B-00185	20411	Pu-238	0 U	0.0022	0.0007	0.0415	3.00 - 5.00
5B-00185	20411	Pu-239/240	0.0025	0.0022	0.0014	0.0404	3.00 - 5.00
5B-00185	20411	Pu-244	0.0008 U	0.0022	0.0008	0.0313	3.00 - 5.00
5B-00185	20411	Sb-125	0.117 SK	0.04	0.01	0.354	3.00 - 5.00
5B-00185	20411	Sn-126	-0.004 U	0.016	0.0048	0.0237	3.00 - 5.00
5B-00185	20411	Sr-90	-0.002 U	0.034	0.0097	0.485	3.00 - 5.00
5B-00185	20411	Te-125m	0.027 SK	0.0093	0.0024	0.0838	3.00 - 5.00
5B-00185	20411	Th-228	1.26	0.015	0.063	3.98	3.00 - 5.00
5B-00185	20411	Th-229	0.0127	0.0084	0.0039	0.145	3.00 - 5.00
5B-00185	20411	Th-230	0.914	0.009	0.048	2.2	3.00 - 5.00
5B-00185	20411	Th-232	1.17	0.007	0.059	3.1	3.00 - 5.00
5B-00185	20411	Th-234	0.329 R	0.15	0.048	3.19	3.00 - 5.00
5B-00185	20411	Tl-208	0.432	0.014	0.016	0.937	3.00 - 5.00
5B-00185	20411	Tm-171	-0.9 U J	5.4	1.6	72.4	3.00 - 5.00
5B-00185	20411	U-233/234	0.807	0.011	0.045	2.02	3.00 - 5.00
5B-00185	20411	U-235/236	0.0466	0.0035	0.008	0.151	3.00 - 5.00
5B-00185	20411	U-238	0.872	0.003	0.047	1.8	3.00 - 5.00
5B-00186	20412	Ac-227	0.343 K,R	0.12	0.018	0.217	1.00 - 5.00
5B-00186	20412	Ac-228	1.2	0.065	0.041	2.4	1.00 - 5.00
5B-00186	20412	Am-241	0.0029	0.002	0.0015	0.0454	1.00 - 5.00
5B-00186	20412	Bi-212	1	0.1	0.068	2.15	1.00 - 5.00
5B-00186	20412	Bi-214	0.741	0.022	0.029	1.59	1.00 - 5.00
5B-00186	20412	Cd-113m	9 U	33	10	3030	1.00 - 5.00
5B-00186	20412	Cm-243/244	0.0022	0.0053	0.0016	0.0443	1.00 - 5.00
5B-00186	20412	Cm-245/246	0 U J	0.0068	0.0014	0.0401	1.00 - 5.00
5B-00186	20412	Cm-247/248	0.0054	0.0024	0.0022	0.0306	1.00 - 5.00
5B-00186	20412	Co-60	0.0046 U	0.012	0.0033	0.028	1.00 - 5.00
5B-00186	20412	Cs-134	0.0046 U	0.041	0.0014	0.0864	1.00 - 5.00
5B-00186	20412	Cs-137	0.0013 U	0.013	0.0038	0.207	1.00 - 5.00
5B-00186	20412	Eu-152	-0.007 U	0.032	0.0096	0.0566	1.00 - 5.00
5B-00186	20412	Eu-154	0.0022 U	0.079	0.0031	0.15	1.00 - 5.00
5B-00186	20412	Eu-155	0.084 SK	0.03	0.013	0.231	1.00 - 5.00
5B-00186	20412	Ho-166m	0.0049 U J	0.02	0.0031	0.0432	1.00 - 5.00
5B-00186	20412	K-40	19.5	0.15	0.65	32.4	1.00 - 5.00
5B-00186	20412	Na-22	-8E-04 U	0.016	0.0046	0.037	1.00 - 5.00
5B-00186	20412	Nb-94	0.004 U	0.011	0.0034	0.0214	1.00 - 5.00
5B-00186	20412	Ni-59	-0.123 U	0.33	0.091	5.96	1.00 - 5.00
5B-00186	20412	Ni-63	0.28	0.51	0.16	4.92	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00186	20412	Np-236	-0.004 U	0.026	0.008	0.047	1.00 - 5.00
5B-00186	20412	Np-239	0.002 U	0.075	0.022	0.139	1.00 - 5.00
5B-00186	20412	Pa-231	0.133 U	0.35	0.069	0.936	1.00 - 5.00
5B-00186	20412	Pb-212	1.51	0.02	0.08	2.69	1.00 - 5.00
5B-00186	20412	Pb-214	0.829	0.019	0.031	1.7	1.00 - 5.00
5B-00186	20412	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 5.00
5B-00186	20412	Pu-238	0.003	0.002	0.0015	0.0415	1.00 - 5.00
5B-00186	20412	Pu-239/240	0 U	0.002	0.0006	0.0404	1.00 - 5.00
5B-00186	20412	Pu-244	0.0015	0.002	0.001	0.0313	1.00 - 5.00
5B-00186	20412	Sb-125	0.144 JSK	0.034	0.01	0.354	1.00 - 5.00
5B-00186	20412	Sn-126	0.0019 U	0.013	0.0038	0.0237	1.00 - 5.00
5B-00186	20412	Sr-90	0.025 U	0.049	0.015	0.485	1.00 - 5.00
5B-00186	20412	Te-125m	0.0333 JSK	0.0078	0.0023	0.0838	1.00 - 5.00
5B-00186	20412	Th-228	1.27	0.016	0.065	3.98	1.00 - 5.00
5B-00186	20412	Th-229	0.001 U	0.0096	0.0025	0.145	1.00 - 5.00
5B-00186	20412	Th-230	0.981	0.003	0.052	2.2	1.00 - 5.00
5B-00186	20412	Th-232	1.26	0.008	0.064	3.1	1.00 - 5.00
5B-00186	20412	Th-234	1.54 R	0.13	0.086	3.19	1.00 - 5.00
5B-00186	20412	Tl-208	0.462	0.015	0.018	0.937	1.00 - 5.00
5B-00186	20412	Tm-171	-4.9 R U J	4.4	1.4	72.4	1.00 - 5.00
5B-00186	20412	U-233/234	0.852	0.008	0.045	2.02	1.00 - 5.00
5B-00186	20412	U-235/236	0.0428	0.0083	0.0074	0.151	1.00 - 5.00
5B-00186	20412	U-238	0.826	0.007	0.044	1.8	1.00 - 5.00
5B-00186	20413	Ac-227	0.038 U	0.12	0.037	0.217	0.00 - 0.50
5B-00186	20413	Ac-228	1.19	0.069	0.043	2.4	0.00 - 0.50
5B-00186	20413	Am-241	0.0009 U	0.0094	0.0024	0.0454	0.00 - 0.50
5B-00186	20413	Bi-212	1	0.11	0.067	2.15	0.00 - 0.50
5B-00186	20413	Bi-214	0.891	0.024	0.034	1.59	0.00 - 0.50
5B-00186	20413	Cd-113m	-2 U	35	10	3030	0.00 - 0.50
5B-00186	20413	Cm-243/244	0 U	0.0063	0.0013	0.0443	0.00 - 0.50
5B-00186	20413	Cm-245/246	0 U J	0.0093	0.0019	0.0401	0.00 - 0.50
5B-00186	20413	Cm-247/248	-0.001 U	0.012	0.0023	0.0306	0.00 - 0.50
5B-00186	20413	Co-60	-0.003 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00186	20413	Cs-134	0.0132 U	0.046	0.0047	0.0864	0.00 - 0.50
5B-00186	20413	Cs-137	0.113	0.012	0.0079	0.207	0.00 - 0.50
5B-00186	20413	Eu-152	0.0171	0.032	0.0087	0.0566	0.00 - 0.50
5B-00186	20413	Eu-154	0.0021 U	0.083	0.0096	0.15	0.00 - 0.50
5B-00186	20413	Eu-155	0.076 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00186	20413	Ho-166m	0.0014 U	0.019	0.0063	0.0432	0.00 - 0.50
5B-00186	20413	K-40	20.2	0.14	0.67	32.4	0.00 - 0.50
5B-00186	20413	Na-22	0.0011 U	0.019	0.0058	0.037	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00186	20413	Nb-94	0.0068	0.011	0.0034	0.0214	0.00 - 0.50
5B-00186	20413	Np-236	-0.015 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00186	20413	Np-239	0.002 U	0.077	0.023	0.139	0.00 - 0.50
5B-00186	20413	Pa-231	-0.01 U	0.49	0.15	0.936	0.00 - 0.50
5B-00186	20413	Pb-212	1.48	0.025	0.078	2.69	0.00 - 0.50
5B-00186	20413	Pb-214	0.998	0.024	0.037	1.7	0.00 - 0.50
5B-00186	20413	Pu-236	0.0012 U	0.0052	0.0014	7.79	0.00 - 0.50
5B-00186	20413	Pu-238	-2E-04 U	0.0064	0.0012	0.0415	0.00 - 0.50
5B-00186	20413	Pu-239/240	0.0035	0.0024	0.0018	0.0404	0.00 - 0.50
5B-00186	20413	Pu-244	0.0009 U	0.0024	0.0009	0.0313	0.00 - 0.50
5B-00186	20413	Sb-125	0.13 SK	0.032	0.0098	0.354	0.00 - 0.50
5B-00186	20413	Sn-126	0.0012 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00186	20413	Sr-90	-0.019 U	0.045	0.012	0.485	0.00 - 0.50
5B-00186	20413	Te-125m	0.0301 SK	0.0075	0.0023	0.0838	0.00 - 0.50
5B-00186	20413	Th-228	1.22	0.016	0.064	3.98	0.00 - 0.50
5B-00186	20413	Th-229	0.0098	0.0037	0.0037	0.145	0.00 - 0.50
5B-00186	20413	Th-230	0.901	0.011	0.05	2.2	0.00 - 0.50
5B-00186	20413	Th-232	1.22	0.003	0.063	3.1	0.00 - 0.50
5B-00186	20413	Th-234	1.44	0.13	0.083	3.19	0.00 - 0.50
5B-00186	20413	Tl-208	0.464	0.015	0.018	0.937	0.00 - 0.50
5B-00186	20413	Tm-171	-0.05 U	4.8	1.5	72.4	0.00 - 0.50
5B-00186	20413	U-233/234	0.903	0.003	0.051	2.02	0.00 - 0.50
5B-00186	20413	U-235/236	0.0462	0.0042	0.0087	0.151	0.00 - 0.50
5B-00186	20413	U-238	0.86	0.009	0.049	1.8	0.00 - 0.50
5B-00187	20414	Ac-227	0.021 U	0.12	0.04	0.217	1.00 - 4.00
5B-00187	20414	Ac-228	1.16	0.07	0.041	2.4	1.00 - 4.00
5B-00187	20414	Am-241	0.0055	0.0021	0.0021	0.0454	1.00 - 4.00
5B-00187	20414	Bi-212	0.884	0.099	0.061	2.15	1.00 - 4.00
5B-00187	20414	Bi-214	0.86	0.022	0.033	1.59	1.00 - 4.00
5B-00187	20414	Cd-113m	9 U	34	10	3030	1.00 - 4.00
5B-00187	20414	Cm-243/244	0.0016 U J	0.0084	0.0023	0.0443	1.00 - 4.00
5B-00187	20414	Cm-245/246	-9E-04 U J	0.0068	0.001	0.0401	1.00 - 4.00
5B-00187	20414	Cm-247/248	0 U J	0.0024	0.001	0.0306	1.00 - 4.00
5B-00187	20414	Co-60	0.0007 U	0.014	0.0031	0.028	1.00 - 4.00
5B-00187	20414	Cs-134	0.0042 U	0.035	0.0015	0.0864	1.00 - 4.00
5B-00187	20414	Cs-137	-0.003 U	0.013	0.0038	0.207	1.00 - 4.00
5B-00187	20414	Eu-152	-0.009 U	0.031	0.0094	0.0566	1.00 - 4.00
5B-00187	20414	Eu-154	0.047	0.05	0.016	0.15	1.00 - 4.00
5B-00187	20414	Eu-155	0.087 SK	0.03	0.013	0.231	1.00 - 4.00
5B-00187	20414	Ho-166m	0.0033 U	0.017	0.0037	0.0432	1.00 - 4.00
5B-00187	20414	K-40	19.3	0.14	0.64	32.4	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00187	20414	Na-22	0 U J	0.018	0.0055	0.037	1.00 - 4.00
5B-00187	20414	Nb-94	0.0061 SK	0.011	0.0033	0.0214	1.00 - 4.00
5B-00187	20414	Np-236	-0.007 U	0.023	0.007	0.047	1.00 - 4.00
5B-00187	20414	Np-239	0.007 U	0.076	0.023	0.139	1.00 - 4.00
5B-00187	20414	Pa-231	0.1 U J	0.48	0.11	0.936	1.00 - 4.00
5B-00187	20414	Pb-212	1.47	0.02	0.078	2.69	1.00 - 4.00
5B-00187	20414	Pb-214	0.977	0.023	0.037	1.7	1.00 - 4.00
5B-00187	20414	Pu-236	0.0016	0.0022	0.0011	7.79	1.00 - 4.00
5B-00187	20414	Pu-238	0.0016	0.0022	0.0011	0.0415	1.00 - 4.00
5B-00187	20414	Pu-239/240	0.0003 U	0.0048	0.001	0.0404	1.00 - 4.00
5B-00187	20414	Pu-244	-5E-04 U	0.0047	0.0005	0.0313	1.00 - 4.00
5B-00187	20414	Sb-125	0.136 SK	0.033	0.01	0.354	1.00 - 4.00
5B-00187	20414	Sn-126	-0.002 U	0.013	0.0039	0.0237	1.00 - 4.00
5B-00187	20414	Sr-90	-0.003 U	0.048	0.014	0.485	1.00 - 4.00
5B-00187	20414	Te-125m	0.0314 SK	0.0076	0.0023	0.0838	1.00 - 4.00
5B-00187	20414	Th-228	1.25	0.021	0.066	3.98	1.00 - 4.00
5B-00187	20414	Th-229	0.0094	0.016	0.0054	0.145	1.00 - 4.00
5B-00187	20414	Th-230	0.895	0.015	0.05	2.2	1.00 - 4.00
5B-00187	20414	Th-232	1.2	0.009	0.063	3.1	1.00 - 4.00
5B-00187	20414	Th-234	1.51 R	0.13	0.084	3.19	1.00 - 4.00
5B-00187	20414	Tl-208	0.446	0.014	0.018	0.937	1.00 - 4.00
5B-00187	20414	Tm-171	-3.1 L U J	5	1.5	72.4	1.00 - 4.00
5B-00187	20414	U-233/234	0.929 J	0.01	0.053	2.02	1.00 - 4.00
5B-00187	20414	U-235/236	0.0506 J	0.012	0.0098	0.151	1.00 - 4.00
5B-00187	20414	U-238	0.897 J	0.013	0.051	1.8	1.00 - 4.00
5B-00187	20415	Ac-227	0.048 U	0.12	0.037	0.217	0.00 - 0.50
5B-00187	20415	Ac-228	1.22	0.074	0.044	2.4	0.00 - 0.50
5B-00187	20415	Am-241	0.0018 U	0.011	0.003	0.0454	0.00 - 0.50
5B-00187	20415	Bi-212	1.03	0.12	0.076	2.15	0.00 - 0.50
5B-00187	20415	Bi-214	0.948	0.023	0.036	1.59	0.00 - 0.50
5B-00187	20415	Cd-113m	-9 U	37	11	3030	0.00 - 0.50
5B-00187	20415	Cm-243/244	-9E-04 U	0.0082	0.0017	0.0443	0.00 - 0.50
5B-00187	20415	Cm-245/246	0.0011 U J	0.0079	0.0019	0.0401	0.00 - 0.50
5B-00187	20415	Cm-247/248	0 U J	0.0029	0.0012	0.0306	0.00 - 0.50
5B-00187	20415	Co-60	-0.004 U	0.017	0.005	0.028	0.00 - 0.50
5B-00187	20415	Cs-134	0.0133 U	0.048	0.0046	0.0864	0.00 - 0.50
5B-00187	20415	Cs-137	0.0486	0.012	0.0065	0.207	0.00 - 0.50
5B-00187	20415	Eu-152	-0.006 U	0.035	0.01	0.0566	0.00 - 0.50
5B-00187	20415	Eu-154	-0.017 U	0.088	0.026	0.15	0.00 - 0.50
5B-00187	20415	Eu-155	0.064 SK	0.033	0.014	0.231	0.00 - 0.50
5B-00187	20415	Ho-166m	0.0129 SK	0.021	0.009	0.0432	0.00 - 0.50

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00187	20415	K-40	21.6	0.13	0.72	32.4	0.00 - 0.50
5B-00187	20415	Na-22	0.0021 U	0.015	0.0045	0.037	0.00 - 0.50
5B-00187	20415	Nb-94	-0.002 U	0.0098	0.0029	0.0214	0.00 - 0.50
5B-00187	20415	Np-236	-0.009 U	0.029	0.0088	0.047	0.00 - 0.50
5B-00187	20415	Np-239	0.013 U	0.082	0.025	0.139	0.00 - 0.50
5B-00187	20415	Pa-231	0.113 U	0.54	0.088	0.936	0.00 - 0.50
5B-00187	20415	Pb-212	1.57	0.022	0.083	2.69	0.00 - 0.50
5B-00187	20415	Pb-214	1.08	0.024	0.041	1.7	0.00 - 0.50
5B-00187	20415	Pu-236	-9E-04 U	0.0039	0.0007	7.79	0.00 - 0.50
5B-00187	20415	Pu-238	-0.002 U	0.0051	0.001	0.0415	0.00 - 0.50
5B-00187	20415	Pu-239/240	0.0042	0.0011	0.0014	0.0404	0.00 - 0.50
5B-00187	20415	Pu-244	0.0013	0.0011	0.0007	0.0313	0.00 - 0.50
5B-00187	20415	Sb-125	0.028 SK	0.028	0.011	0.354	0.00 - 0.50
5B-00187	20415	Sn-126	-0.003 U	0.014	0.0042	0.0237	0.00 - 0.50
5B-00187	20415	Sr-90	0.025	0.032	0.01	0.485	0.00 - 0.50
5B-00187	20415	Te-125m	0.0066 SK	0.0064	0.0026	0.0838	0.00 - 0.50
5B-00187	20415	Th-228	1.17	0.027	0.064	3.98	0.00 - 0.50
5B-00187	20415	Th-229	0.0118	0.0035	0.0039	0.145	0.00 - 0.50
5B-00187	20415	Th-230	0.865	0.012	0.05	2.2	0.00 - 0.50
5B-00187	20415	Th-232	1.13	0.004	0.061	3.1	0.00 - 0.50
5B-00187	20415	Th-234	1.48	0.14	0.086	3.19	0.00 - 0.50
5B-00187	20415	Tl-208	0.458	0.016	0.019	0.937	0.00 - 0.50
5B-00187	20415	Tm-171	-0.3 U	5.1	1.5	72.4	0.00 - 0.50
5B-00187	20415	U-233/234	0.842	0.003	0.046	2.02	0.00 - 0.50
5B-00187	20415	U-235/236	0.0547	0.0036	0.0088	0.151	0.00 - 0.50
5B-00187	20415	U-238	0.807	0.003	0.045	1.8	0.00 - 0.50
5B-00188	20416	Ac-227	0.02 U	0.11	0.033	0.217	1.00 - 5.00
5B-00188	20416	Ac-228	1.2	0.073	0.04	2.4	1.00 - 5.00
5B-00188	20416	Am-241	0.0024 U	0.0032	0.0017	0.0454	1.00 - 5.00
5B-00188	20416	Bi-212	0.915	0.1	0.051	2.15	1.00 - 5.00
5B-00188	20416	Bi-214	0.811	0.022	0.029	1.59	1.00 - 5.00
5B-00188	20416	Cd-113m	1 U	38	12	3030	1.00 - 5.00
5B-00188	20416	Cm-243/244	0.0023 U J	0.011	0.003	0.0443	1.00 - 5.00
5B-00188	20416	Cm-245/246	0 U J	0.003	0.0012	0.0401	1.00 - 5.00
5B-00188	20416	Cm-247/248	0.0021 U J	0.0029	0.0015	0.0306	1.00 - 5.00
5B-00188	20416	Co-60	0.0013 U	0.017	0.0011	0.028	1.00 - 5.00
5B-00188	20416	Cs-134	0.0092 U	0.044	0.0039	0.0864	1.00 - 5.00
5B-00188	20416	Cs-137	-0.002 U	0.016	0.0048	0.207	1.00 - 5.00
5B-00188	20416	Eu-152	0.013 U	0.034	0.014	0.0566	1.00 - 5.00
5B-00188	20416	Eu-154	-0.012 U	0.072	0.021	0.15	1.00 - 5.00
5B-00188	20416	Eu-155	0.078 SK	0.032	0.013	0.231	1.00 - 5.00

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00188	20416	Ho-166m	0.0004 U	0.021	0.0002	0.0432	1.00 - 5.00
5B-00188	20416	K-40	18.1	0.13	0.55	32.4	1.00 - 5.00
5B-00188	20416	Na-22	-0.002 U	0.022	0.0067	0.037	1.00 - 5.00
5B-00188	20416	Nb-94	0.0061 U	0.013	0.004	0.0214	1.00 - 5.00
5B-00188	20416	Np-236	-0.006 U	0.03	0.0089	0.047	1.00 - 5.00
5B-00188	20416	Np-239	-0.002 U	0.081	0.024	0.139	1.00 - 5.00
5B-00188	20416	Pa-231	0.05 U J	0.56	0.17	0.936	1.00 - 5.00
5B-00188	20416	Pb-212	1.5	0.022	0.061	2.69	1.00 - 5.00
5B-00188	20416	Pb-214	0.921	0.023	0.031	1.7	1.00 - 5.00
5B-00188	20416	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 5.00
5B-00188	20416	Pu-238	-4E-04 U	0.0041	0.0005	0.0415	1.00 - 5.00
5B-00188	20416	Pu-239/240	0.0007 U	0.0019	0.0007	0.0404	1.00 - 5.00
5B-00188	20416	Pu-244	0.0035	0.0019	0.0016	0.0313	1.00 - 5.00
5B-00188	20416	Sb-125	0.121 SK	0.038	0.0092	0.354	1.00 - 5.00
5B-00188	20416	Sn-126	0.0014 U	0.015	0.0046	0.0237	1.00 - 5.00
5B-00188	20416	Sr-90	0.01 U	0.051	0.015	0.485	1.00 - 5.00
5B-00188	20416	Te-125m	0.0279 SK	0.0087	0.0021	0.0838	1.00 - 5.00
5B-00188	20416	Th-228	1.24	0.018	0.064	3.98	1.00 - 5.00
5B-00188	20416	Th-229	0.0165	0.0064	0.0041	0.145	1.00 - 5.00
5B-00188	20416	Th-230	0.852	0.008	0.047	2.2	1.00 - 5.00
5B-00188	20416	Th-232	1.21	0.003	0.063	3.1	1.00 - 5.00
5B-00188	20416	Th-234	1.43 R	0.14	0.078	3.19	1.00 - 5.00
5B-00188	20416	Tl-208	0.459	0.015	0.017	0.937	1.00 - 5.00
5B-00188	20416	Tm-171	-0.2 U J	5	1.5	72.4	1.00 - 5.00
5B-00188	20416	U-233/234	0.863	0.008	0.046	2.02	1.00 - 5.00
5B-00188	20416	U-235/236	0.033	0.0081	0.0064	0.151	1.00 - 5.00
5B-00188	20416	U-238	0.846	0.002	0.045	1.8	1.00 - 5.00
5B-00189	20417	Ac-227	0.035 U	0.13	0.044	0.217	1.00 - 4.00
5B-00189	20417	Ac-228	1.03	0.08	0.037	2.4	1.00 - 4.00
5B-00189	20417	Am-241	0.0024	0.0017	0.0012	0.0454	1.00 - 4.00
5B-00189	20417	Bi-212	0.768	0.11	0.057	2.15	1.00 - 4.00
5B-00189	20417	Bi-214	0.767	0.025	0.028	1.59	1.00 - 4.00
5B-00189	20417	Cd-113m	7 U	36	11	3030	1.00 - 4.00
5B-00189	20417	Cm-243/244	0.0018 J	0.0016	0.001	0.0443	1.00 - 4.00
5B-00189	20417	Cm-245/246	0.0009 U J	0.0082	0.0021	0.0401	1.00 - 4.00
5B-00189	20417	Cm-247/248	0 U J	0.0064	0.0013	0.0306	1.00 - 4.00
5B-00189	20417	Co-60	0.0047 U	0.018	0.0043	0.028	1.00 - 4.00
5B-00189	20417	Cs-134	0.0166 SK	0.028	0.0044	0.0864	1.00 - 4.00
5B-00189	20417	Cs-137	0.0137	0.015	0.0058	0.207	1.00 - 4.00
5B-00189	20417	Eu-152	-0.004 U	0.037	0.005	0.0566	1.00 - 4.00
5B-00189	20417	Eu-154	-0.003 U	0.082	0.024	0.15	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00189	20417	Eu-155	0.069 SK	0.03	0.011	0.231	1.00 - 4.00
5B-00189	20417	Ho-166m	0.0044 U	0.024	0.0056	0.0432	1.00 - 4.00
5B-00189	20417	K-40	18.9	0.14	0.58	32.4	1.00 - 4.00
5B-00189	20417	Na-22	-0.004 U	0.023	0.0069	0.037	1.00 - 4.00
5B-00189	20417	Nb-94	0.0031 U	0.014	0.003	0.0214	1.00 - 4.00
5B-00189	20417	Np-236	-0.009 U	0.027	0.0083	0.047	1.00 - 4.00
5B-00189	20417	Np-239	-0.02 U	0.083	0.025	0.139	1.00 - 4.00
5B-00189	20417	Pa-231	0.07 U J	0.53	0.16	0.936	1.00 - 4.00
5B-00189	20417	Pb-212	1.31	0.021	0.054	2.69	1.00 - 4.00
5B-00189	20417	Pb-214	0.853	0.021	0.029	1.7	1.00 - 4.00
5B-00189	20417	Pu-236	-5E-04 U	0.0052	0.0006	7.79	1.00 - 4.00
5B-00189	20417	Pu-238	-0.001 U	0.0064	0.0008	0.0415	1.00 - 4.00
5B-00189	20417	Pu-239/240	-5E-04 U	0.0052	0.0006	0.0404	1.00 - 4.00
5B-00189	20417	Pu-244	0.0026	0.0024	0.0015	0.0313	1.00 - 4.00
5B-00189	20417	Sb-125	0.107 SK	0.039	0.0091	0.354	1.00 - 4.00
5B-00189	20417	Sn-126	0.0029 U	0.015	0.0045	0.0237	1.00 - 4.00
5B-00189	20417	Sr-90	0.01 U	0.056	0.017	0.485	1.00 - 4.00
5B-00189	20417	Te-125m	0.0247 SK	0.0091	0.0021	0.0838	1.00 - 4.00
5B-00189	20417	Th-228	1.09	0.022	0.064	3.98	1.00 - 4.00
5B-00189	20417	Th-229	0.0054	0.01	0.0034	0.145	1.00 - 4.00
5B-00189	20417	Th-230	0.868	0.013	0.054	2.2	1.00 - 4.00
5B-00189	20417	Th-232	1.14	0.02	0.066	3.1	1.00 - 4.00
5B-00189	20417	Th-234	1.26 R	0.13	0.071	3.19	1.00 - 4.00
5B-00189	20417	Tl-208	0.418	0.015	0.016	0.937	1.00 - 4.00
5B-00189	20417	Tm-171	3.2 J	4.9	1.5	72.4	1.00 - 4.00
5B-00189	20417	U-233/234	0.829 J	0.027	0.054	2.02	1.00 - 4.00
5B-00189	20417	U-235/236	0.0304 J	0.019	0.0096	0.151	1.00 - 4.00
5B-00189	20417	U-238	0.815 J	0.005	0.053	1.8	1.00 - 4.00
5B-00189	20418	Ac-227	0.017 U J	0.16	0.064	0.217	0.00 - 0.50
5B-00189	20418	Ac-228	1.21	0.11	0.046	2.4	0.00 - 0.50
5B-00189	20418	Am-241	0.002 U	0.0093	0.0026	0.0454	0.00 - 0.50
5B-00189	20418	Bi-212	1.01	0.19	0.11	2.15	0.00 - 0.50
5B-00189	20418	Bi-214	0.927	0.03	0.034	1.59	0.00 - 0.50
5B-00189	20418	Cd-113m	0.4 U	44	13	3030	0.00 - 0.50
5B-00189	20418	Cm-243/244	-0.001 U	0.0073	0.0011	0.0443	0.00 - 0.50
5B-00189	20418	Cm-245/246	0.0026 U J	0.0035	0.0019	0.0401	0.00 - 0.50
5B-00189	20418	Cm-247/248	0.0039	0.0035	0.0022	0.0306	0.00 - 0.50
5B-00189	20418	Co-60	-0.007 U	0.025	0.0075	0.028	0.00 - 0.50
5B-00189	20418	Cs-134	0.0153 SK	0.022	0.0052	0.0864	0.00 - 0.50
5B-00189	20418	Cs-137	0.0425	0.02	0.0074	0.207	0.00 - 0.50
5B-00189	20418	Eu-152	-0.015 U	0.046	0.014	0.0566	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00189	20418	Eu-154	0.036 U	0.13	0.03	0.15	0.00 - 0.50
5B-00189	20418	Eu-155	0.073 SK	0.034	0.013	0.231	0.00 - 0.50
5B-00189	20418	Ho-166m	0.005 U	0.029	0.012	0.0432	0.00 - 0.50
5B-00189	20418	K-40	21.5	0.16	0.66	32.4	0.00 - 0.50
5B-00189	20418	Na-22	0.0073 U	0.029	0.0088	0.037	0.00 - 0.50
5B-00189	20418	Nb-94	0.0051 U	0.016	0.005	0.0214	0.00 - 0.50
5B-00189	20418	Np-236	-2E-04 U	0.032	0.0097	0.047	0.00 - 0.50
5B-00189	20418	Np-239	-0.017 U	0.094	0.028	0.139	0.00 - 0.50
5B-00189	20418	Pa-231	-0.28 U	0.66	0.2	0.936	0.00 - 0.50
5B-00189	20418	Pb-212	1.61	0.028	0.066	2.69	0.00 - 0.50
5B-00189	20418	Pb-214	1.06	0.032	0.037	1.7	0.00 - 0.50
5B-00189	20418	Pu-236	0.0007 U	0.0065	0.0015	7.79	0.00 - 0.50
5B-00189	20418	Pu-238	-5E-04 U	0.0053	0.0006	0.0415	0.00 - 0.50
5B-00189	20418	Pu-239/240	0.0045	0.0024	0.002	0.0404	0.00 - 0.50
5B-00189	20418	Pu-244	0.0009 U	0.0024	0.0009	0.0313	0.00 - 0.50
5B-00189	20418	Sb-125	0.128 SK	0.053	0.013	0.354	0.00 - 0.50
5B-00189	20418	Sn-126	0.0008 U	0.019	0.0057	0.0237	0.00 - 0.50
5B-00189	20418	Sr-90	0.013 U	0.036	0.011	0.485	0.00 - 0.50
5B-00189	20418	Te-125m	0.0296 SK	0.012	0.0029	0.0838	0.00 - 0.50
5B-00189	20418	Th-228	1.22	0.037	0.075	3.98	0.00 - 0.50
5B-00189	20418	Th-229	0.0143 J	0.0066	0.0039	0.145	0.00 - 0.50
5B-00189	20418	Th-230	0.824	0.025	0.056	2.2	0.00 - 0.50
5B-00189	20418	Th-232	1.18	0.006	0.072	3.1	0.00 - 0.50
5B-00189	20418	Th-234	0.703 R	0.18	0.061	3.19	0.00 - 0.50
5B-00189	20418	Tl-208	0.498	0.022	0.02	0.937	0.00 - 0.50
5B-00189	20418	Tm-171	-0.3 U	7	2.1	72.4	0.00 - 0.50
5B-00189	20418	U-233/234	0.817	0.008	0.046	2.02	0.00 - 0.50
5B-00189	20418	U-235/236	0.0429	0.0037	0.0079	0.151	0.00 - 0.50
5B-00189	20418	U-238	0.876	0.003	0.048	1.8	0.00 - 0.50
5B-00190	20419	Ac-227	0.355 K,R	0.12	0.019	0.217	1.00 - 5.00
5B-00190	20419	Ac-228	1.22	0.059	0.042	2.4	1.00 - 5.00
5B-00190	20419	Am-241	0.0007 U	0.0048	0.0012	0.0454	1.00 - 5.00
5B-00190	20419	Bi-212	0.895	0.089	0.056	2.15	1.00 - 5.00
5B-00190	20419	Bi-214	0.901	0.02	0.034	1.59	1.00 - 5.00
5B-00190	20419	Cd-113m	-0.6 U	33	9.9	3030	1.00 - 5.00
5B-00190	20419	Cm-243/244	0.0006 U J	0.0017	0.0007	0.0443	1.00 - 5.00
5B-00190	20419	Cm-245/246	0 U J	0.0093	0.0022	0.0401	1.00 - 5.00
5B-00190	20419	Cm-247/248	0.0008 U J	0.0063	0.0015	0.0306	1.00 - 5.00
5B-00190	20419	Co-60	0.0012 U	0.014	0.0013	0.028	1.00 - 5.00
5B-00190	20419	Cs-134	0.0111 U	0.041	0.0032	0.0864	1.00 - 5.00
5B-00190	20419	Cs-137	-0.005 U	0.012	0.0037	0.207	1.00 - 5.00

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00190	20419	Eu-152	0.0075 U	0.03	0.0049	0.0566	1.00 - 5.00
5B-00190	20419	Eu-154	-0.027 U	0.079	0.024	0.15	1.00 - 5.00
5B-00190	20419	Eu-155	0.088 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00190	20419	Ho-166m	0.0014 U	0.019	0.0015	0.0432	1.00 - 5.00
5B-00190	20419	K-40	19.3	0.13	0.64	32.4	1.00 - 5.00
5B-00190	20419	Na-22	-0.004 U	0.018	0.0054	0.037	1.00 - 5.00
5B-00190	20419	Nb-94	0.003 U	0.011	0.0032	0.0214	1.00 - 5.00
5B-00190	20419	Np-236	-0.009 U	0.027	0.008	0.047	1.00 - 5.00
5B-00190	20419	Np-239	-0.009 U	0.074	0.022	0.139	1.00 - 5.00
5B-00190	20419	Pa-231	0.13 U J	0.46	0.14	0.936	1.00 - 5.00
5B-00190	20419	Pb-212	1.46	0.023	0.077	2.69	1.00 - 5.00
5B-00190	20419	Pb-214	1.01	0.02	0.038	1.7	1.00 - 5.00
5B-00190	20419	Pu-236	-0.001 U	0.006	0.0008	7.79	1.00 - 5.00
5B-00190	20419	Pu-238	0.0008 U	0.0022	0.0008	0.0415	1.00 - 5.00
5B-00190	20419	Pu-239/240	-5E-04 U	0.0049	0.0006	0.0404	1.00 - 5.00
5B-00190	20419	Pu-244	0 U	0.0022	0.0007	0.0313	1.00 - 5.00
5B-00190	20419	Sb-125	0.12 SK	0.033	0.0082	0.354	1.00 - 5.00
5B-00190	20419	Sn-126	0.0001 U	0.012	0.0036	0.0237	1.00 - 5.00
5B-00190	20419	Sr-90	0.03 U	0.057	0.018	0.485	1.00 - 5.00
5B-00190	20419	Te-125m	0.0277 SK	0.0076	0.0019	0.0838	1.00 - 5.00
5B-00190	20419	Th-228	1.22	0.014	0.065	3.98	1.00 - 5.00
5B-00190	20419	Th-229	0.0088	0.0081	0.0036	0.145	1.00 - 5.00
5B-00190	20419	Th-230	0.882	0.012	0.05	2.2	1.00 - 5.00
5B-00190	20419	Th-232	1.2	0.009	0.064	3.1	1.00 - 5.00
5B-00190	20419	Th-234	1.56 R	0.13	0.086	3.19	1.00 - 5.00
5B-00190	20419	Tl-208	0.469	0.014	0.019	0.937	1.00 - 5.00
5B-00190	20419	Tm-171	-4.1 L U J	4.5	1.4	72.4	1.00 - 5.00
5B-00190	20419	U-233/234	1.03	0.011	0.052	2.02	1.00 - 5.00
5B-00190	20419	U-235/236	0.0606	0.0026	0.008	0.151	1.00 - 5.00
5B-00190	20419	U-238	0.986	0.002	0.05	1.8	1.00 - 5.00
5B-00191	20420	Ac-227	0.022 U	0.13	0.05	0.217	1.00 - 4.00
5B-00191	20420	Ac-228	1.21	0.087	0.043	2.4	1.00 - 4.00
5B-00191	20420	Am-241	0.0013 U	0.0035	0.0013	0.0454	1.00 - 4.00
5B-00191	20420	Bi-212	1.03	0.13	0.078	2.15	1.00 - 4.00
5B-00191	20420	Bi-214	0.88	0.028	0.032	1.59	1.00 - 4.00
5B-00191	20420	Cd-113m	3 U	40	12	3030	1.00 - 4.00
5B-00191	20420	Cm-243/244	0 U J	0.0094	0.0019	0.0443	1.00 - 4.00
5B-00191	20420	Cm-245/246	0.0021 U J	0.0028	0.0015	0.0401	1.00 - 4.00
5B-00191	20420	Cm-247/248	0.0021 U J	0.0028	0.0015	0.0306	1.00 - 4.00
5B-00191	20420	Co-60	0.0018 U	0.013	0.0026	0.028	1.00 - 4.00
5B-00191	20420	Cs-134	0.0119 U	0.024	0.0044	0.0864	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00191	20420	Cs-137	0.0112	0.018	0.0074	0.207	1.00 - 4.00
5B-00191	20420	Eu-152	-7E-04 U	0.036	0.011	0.0566	1.00 - 4.00
5B-00191	20420	Eu-154	-0.05 U	0.11	0.032	0.15	1.00 - 4.00
5B-00191	20420	Eu-155	0.076 SK	0.031	0.012	0.231	1.00 - 4.00
5B-00191	20420	Ho-166m	0.0393 SK	0.025	0.0052	0.0432	1.00 - 4.00
5B-00191	20420	K-40	18.4	0.14	0.56	32.4	1.00 - 4.00
5B-00191	20420	Na-22	0.0049 U	0.023	0.0069	0.037	1.00 - 4.00
5B-00191	20420	Nb-94	0.0037 U	0.014	0.0029	0.0214	1.00 - 4.00
5B-00191	20420	Np-236	0.0045 U	0.029	0.0086	0.047	1.00 - 4.00
5B-00191	20420	Np-239	-0.014 U	0.087	0.026	0.139	1.00 - 4.00
5B-00191	20420	Pa-231	0 U J	0.56	0.12	0.936	1.00 - 4.00
5B-00191	20420	Pb-212	1.55	0.022	0.063	2.69	1.00 - 4.00
5B-00191	20420	Pb-214	0.976	0.024	0.033	1.7	1.00 - 4.00
5B-00191	20420	Pu-236	-5E-04 U	0.0051	0.0006	7.79	1.00 - 4.00
5B-00191	20420	Pu-238	0.0009 U	0.0023	0.0009	0.0415	1.00 - 4.00
5B-00191	20420	Pu-239/240	0 U	0.0023	0.0007	0.0404	1.00 - 4.00
5B-00191	20420	Pu-244	0 U	0.0023	0.0007	0.0313	1.00 - 4.00
5B-00191	20420	Sb-125	0.157 SK	0.039	0.012	0.354	1.00 - 4.00
5B-00191	20420	Sn-126	0.0066 U	0.016	0.0048	0.0237	1.00 - 4.00
5B-00191	20420	Sr-90	0.012 U	0.034	0.01	0.485	1.00 - 4.00
5B-00191	20420	Te-125m	0.0363 SK	0.0091	0.0027	0.0838	1.00 - 4.00
5B-00191	20420	Th-228	1.4	0.02	0.073	3.98	1.00 - 4.00
5B-00191	20420	Th-229	0.0091	0.012	0.0044	0.145	1.00 - 4.00
5B-00191	20420	Th-230	0.969	0.01	0.054	2.2	1.00 - 4.00
5B-00191	20420	Th-232	1.31	0.009	0.069	3.1	1.00 - 4.00
5B-00191	20420	Th-234	0.609 R	0.15	0.052	3.19	1.00 - 4.00
5B-00191	20420	Tl-208	0.483	0.018	0.019	0.937	1.00 - 4.00
5B-00191	20420	Tm-171	-0.02 U J	5.1	1.5	72.4	1.00 - 4.00
5B-00191	20420	U-233/234	1.06 J	0.023	0.062	2.02	1.00 - 4.00
5B-00191	20420	U-235/236	0.0398 J	0.006	0.0095	0.151	1.00 - 4.00
5B-00191	20420	U-238	1.07 J	0.016	0.063	1.8	1.00 - 4.00
5B-00192	20421	Ac-227	0.059	0.095	0.029	0.217	1.00 - 5.00
5B-00192	20421	Ac-228	1.21	0.06	0.042	2.4	1.00 - 5.00
5B-00192	20421	Am-241	0.0034	0.003	0.002	0.0454	1.00 - 5.00
5B-00192	20421	Bi-212	0.949	0.094	0.06	2.15	1.00 - 5.00
5B-00192	20421	Bi-214	0.923	0.023	0.035	1.59	1.00 - 5.00
5B-00192	20421	Cd-113m	6 U	35	10	3030	1.00 - 5.00
5B-00192	20421	Cm-243/244	-0.001 U	0.01	0.0021	0.0443	1.00 - 5.00
5B-00192	20421	Cm-245/246	0 U J	0.0094	0.0019	0.0401	1.00 - 5.00
5B-00192	20421	Cm-247/248	0.0025 U	0.0034	0.0018	0.0306	1.00 - 5.00
5B-00192	20421	Co-60	-5E-04 U	0.014	0.0041	0.028	1.00 - 5.00

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00192	20421	Cs-134	0.016 U	0.037	0.0042	0.0864	1.00 - 5.00
5B-00192	20421	Cs-137	-0.004 U	0.012	0.0036	0.207	1.00 - 5.00
5B-00192	20421	Eu-152	0.023	0.033	0.01	0.0566	1.00 - 5.00
5B-00192	20421	Eu-154	0.0037 U	0.08	0.0018	0.15	1.00 - 5.00
5B-00192	20421	Eu-155	0.082 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00192	20421	Ho-166m	0.0077 U R	0.019	0.0042	0.0432	1.00 - 5.00
5B-00192	20421	K-40	20.8	0.14	0.69	32.4	1.00 - 5.00
5B-00192	20421	Na-22	0.0033 U	0.018	0.0055	0.037	1.00 - 5.00
5B-00192	20421	Nb-94	0.0126 SK	0.0088	0.0041	0.0214	1.00 - 5.00
5B-00192	20421	Np-236	-7E-04 U	0.027	0.0083	0.047	1.00 - 5.00
5B-00192	20421	Np-239	0.007 U	0.076	0.023	0.139	1.00 - 5.00
5B-00192	20421	Pa-231	-0.09 U	0.45	0.13	0.936	1.00 - 5.00
5B-00192	20421	Pb-212	1.49	0.024	0.079	2.69	1.00 - 5.00
5B-00192	20421	Pb-214	1.03	0.024	0.038	1.7	1.00 - 5.00
5B-00192	20421	Pu-236	0.0008 U	0.0021	0.0008	7.79	1.00 - 5.00
5B-00192	20421	Pu-238	0.0024	0.0021	0.0014	0.0415	1.00 - 5.00
5B-00192	20421	Pu-239/240	0.0016	0.0021	0.0011	0.0404	1.00 - 5.00
5B-00192	20421	Pu-244	0.0024	0.0021	0.0014	0.0313	1.00 - 5.00
5B-00192	20421	Sb-125	0.116 SK	0.032	0.0078	0.354	1.00 - 5.00
5B-00192	20421	Sn-126	-9E-04 U	0.011	0.0033	0.0237	1.00 - 5.00
5B-00192	20421	Sr-90	-0.009 U	0.037	0.01	0.485	1.00 - 5.00
5B-00192	20421	Te-125m	0.0267 SK	0.0074	0.0018	0.0838	1.00 - 5.00
5B-00192	20421	Th-228	1.26	0.014	0.064	3.98	1.00 - 5.00
5B-00192	20421	Th-229	0.0042	0.0038	0.0024	0.145	1.00 - 5.00
5B-00192	20421	Th-230	1	0.01	0.053	2.2	1.00 - 5.00
5B-00192	20421	Th-232	1.21	0.008	0.062	3.1	1.00 - 5.00
5B-00192	20421	Th-234	1.5 R	0.14	0.085	3.19	1.00 - 5.00
5B-00192	20421	Tl-208	0.476	0.016	0.019	0.937	1.00 - 5.00
5B-00192	20421	Tm-171	-0.01 U	4.7	1.4	72.4	1.00 - 5.00
5B-00192	20421	U-233/234	0.81	0.009	0.046	2.02	1.00 - 5.00
5B-00192	20421	U-235/236	0.039	0.0039	0.0077	0.151	1.00 - 5.00
5B-00192	20421	U-238	0.718	0.003	0.042	1.8	1.00 - 5.00
5B-00192	20422	Ac-227	0.045 U	0.12	0.05	0.217	0.00 - 0.50
5B-00192	20422	Ac-228	1.2	0.063	0.044	2.4	0.00 - 0.50
5B-00192	20422	Am-241	0.0036	0.0083	0.0026	0.0454	0.00 - 0.50
5B-00192	20422	Bi-212	0.968	0.11	0.071	2.15	0.00 - 0.50
5B-00192	20422	Bi-214	0.888	0.023	0.034	1.59	0.00 - 0.50
5B-00192	20422	Cd-113m	13 U	34	10	3030	0.00 - 0.50
5B-00192	20422	Cm-243/244	-0.002 U	0.0094	0.0019	0.0443	0.00 - 0.50
5B-00192	20422	Cm-245/246	0.0036 J	0.0089	0.0028	0.0401	0.00 - 0.50
5B-00192	20422	Cm-247/248	0.0012 U	0.0032	0.0012	0.0306	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00192	20422	Co-60	0.0023 U	0.011	0.0033	0.028	0.00 - 0.50
5B-00192	20422	Cs-134	0.0116 U	0.036	0.0036	0.0864	0.00 - 0.50
5B-00192	20422	Cs-137	0.027	0.0098	0.0045	0.207	0.00 - 0.50
5B-00192	20422	Eu-152	0.0025 U	0.032	0.0095	0.0566	0.00 - 0.50
5B-00192	20422	Eu-154	-0.023 U	0.075	0.022	0.15	0.00 - 0.50
5B-00192	20422	Eu-155	0.099 SK	0.033	0.015	0.231	0.00 - 0.50
5B-00192	20422	Ho-166m	-1E-04 U	0.021	0.0001	0.0432	0.00 - 0.50
5B-00192	20422	K-40	20.3	0.15	0.68	32.4	0.00 - 0.50
5B-00192	20422	Na-22	0.0017 U	0.016	0.0049	0.037	0.00 - 0.50
5B-00192	20422	Nb-94	0.0053 U	0.011	0.0034	0.0214	0.00 - 0.50
5B-00192	20422	Np-236	-0.002 U	0.027	0.0083	0.047	0.00 - 0.50
5B-00192	20422	Np-239	-0.005 U	0.078	0.024	0.139	0.00 - 0.50
5B-00192	20422	Pa-231	-0.15 U	0.51	0.15	0.936	0.00 - 0.50
5B-00192	20422	Pb-212	1.57	0.022	0.083	2.69	0.00 - 0.50
5B-00192	20422	Pb-214	0.982	0.023	0.037	1.7	0.00 - 0.50
5B-00192	20422	Pu-236	-0.003 U	0.0095	0.0017	7.79	0.00 - 0.50
5B-00192	20422	Pu-238	-5E-04 U	0.005	0.0006	0.0415	0.00 - 0.50
5B-00192	20422	Pu-239/240	0.0009 U	0.0023	0.0009	0.0404	0.00 - 0.50
5B-00192	20422	Pu-244	0.0025	0.0023	0.0015	0.0313	0.00 - 0.50
5B-00192	20422	Sb-125	0.136 SK	0.025	0.0098	0.354	0.00 - 0.50
5B-00192	20422	Sn-126	0.0017 U	0.013	0.0038	0.0237	0.00 - 0.50
5B-00192	20422	Sr-90	0.028	0.038	0.012	0.485	0.00 - 0.50
5B-00192	20422	Te-125m	0.0314 SK	0.0058	0.0023	0.0838	0.00 - 0.50
5B-00192	20422	Th-228	1.29	0.003	0.066	3.98	0.00 - 0.50
5B-00192	20422	Th-229	0.001 U	0.0027	0.001	0.145	0.00 - 0.50
5B-00192	20422	Th-230	0.903	0.003	0.05	2.2	0.00 - 0.50
5B-00192	20422	Th-232	1.22	0.003	0.063	3.1	0.00 - 0.50
5B-00192	20422	Th-234	0.524	0.14	0.049	3.19	0.00 - 0.50
5B-00192	20422	Tl-208	0.476	0.015	0.019	0.937	0.00 - 0.50
5B-00192	20422	Tm-171	2.9	5.7	1.7	72.4	0.00 - 0.50
5B-00192	20422	U-233/234	0.808	0.003	0.045	2.02	0.00 - 0.50
5B-00192	20422	U-235/236	0.0427	0.0037	0.0079	0.151	0.00 - 0.50
5B-00192	20422	U-238	0.743	0.003	0.042	1.8	0.00 - 0.50
5B-00193	20423	Ac-227	0.062	0.12	0.038	0.217	1.00 - 5.00
5B-00193	20423	Ac-228	1.11	0.091	0.042	2.4	1.00 - 5.00
5B-00193	20423	Am-241	0.0018	0.0016	0.001	0.0454	1.00 - 5.00
5B-00193	20423	Bi-212	0.842	0.12	0.067	2.15	1.00 - 5.00
5B-00193	20423	Bi-214	0.815	0.02	0.027	1.59	1.00 - 5.00
5B-00193	20423	Cd-113m	13.2 U	31	9.4	3030	1.00 - 5.00
5B-00193	20423	Cm-243/244	-0.001 U	0.0054	0.0009	0.0443	1.00 - 5.00
5B-00193	20423	Cm-245/246	0.0012 U J	0.0034	0.0012	0.0401	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00193	20423	Cm-247/248	0.0025 U	0.0033	0.0017	0.0306	1.00 - 5.00
5B-00193	20423	Co-60	-7E-04 U	0.018	0.0013	0.028	1.00 - 5.00
5B-00193	20423	Cs-134	0.0103 U	0.044	0.0036	0.0864	1.00 - 5.00
5B-00193	20423	Cs-137	0.0041 U	0.012	0.0038	0.207	1.00 - 5.00
5B-00193	20423	Eu-152	0.013 U	0.037	0.012	0.0566	1.00 - 5.00
5B-00193	20423	Eu-154	-0.02 U	0.095	0.029	0.15	1.00 - 5.00
5B-00193	20423	Eu-155	0.06 SK	0.032	0.013	0.231	1.00 - 5.00
5B-00193	20423	Ho-166m	0.0049 U	0.021	0.0023	0.0432	1.00 - 5.00
5B-00193	20423	K-40	18.8	0.12	0.57	32.4	1.00 - 5.00
5B-00193	20423	Na-22	-1E-04 U	0.019	0.0057	0.037	1.00 - 5.00
5B-00193	20423	Nb-94	0.0029 U	0.013	0.0039	0.0214	1.00 - 5.00
5B-00193	20423	Np-236	0.0016 U	0.024	0.0073	0.047	1.00 - 5.00
5B-00193	20423	Np-239	0.01 U	0.08	0.024	0.139	1.00 - 5.00
5B-00193	20423	Pa-231	-0.03 U	0.54	0.16	0.936	1.00 - 5.00
5B-00193	20423	Pb-212	1.39	0.021	0.056	2.69	1.00 - 5.00
5B-00193	20423	Pb-214	0.949	0.023	0.032	1.7	1.00 - 5.00
5B-00193	20423	Pu-236	-5E-04 U	0.0048	0.0006	7.79	1.00 - 5.00
5B-00193	20423	Pu-238	0.0016	0.0022	0.0012	0.0415	1.00 - 5.00
5B-00193	20423	Pu-239/240	-0.001 U	0.0059	0.0008	0.0404	1.00 - 5.00
5B-00193	20423	Pu-244	0.0024	0.0022	0.0014	0.0313	1.00 - 5.00
5B-00193	20423	Sb-125	0.132 SK	0.035	0.011	0.354	1.00 - 5.00
5B-00193	20423	Sn-126	-0.001 U	0.013	0.0038	0.0237	1.00 - 5.00
5B-00193	20423	Sr-90	0.009 U	0.042	0.012	0.485	1.00 - 5.00
5B-00193	20423	Te-125m	0.0304 SK	0.0081	0.0025	0.0838	1.00 - 5.00
5B-00193	20423	Th-228	1.3	0.012	0.064	3.98	1.00 - 5.00
5B-00193	20423	Th-229	0.0071	0.0077	0.0032	0.145	1.00 - 5.00
5B-00193	20423	Th-230	1.06	0.006	0.053	2.2	1.00 - 5.00
5B-00193	20423	Th-232	1.22	0.002	0.06	3.1	1.00 - 5.00
5B-00193	20423	Th-234	1.34 R	0.13	0.076	3.19	1.00 - 5.00
5B-00193	20423	Tl-208	0.422	0.015	0.016	0.937	1.00 - 5.00
5B-00193	20423	Tm-171	-1.3 U J	5.7	1.7	72.4	1.00 - 5.00
5B-00193	20423	U-233/234	0.811	0.017	0.046	2.02	1.00 - 5.00
5B-00193	20423	U-235/236	0.0478	0.004	0.0087	0.151	1.00 - 5.00
5B-00193	20423	U-238	0.745	0.003	0.043	1.8	1.00 - 5.00
5B-00194	20424	Ac-227	0.154 R	0.15	0.011	0.217	1.00 - 5.00
5B-00194	20424	Ac-228	1.16	0.086	0.043	2.4	1.00 - 5.00
5B-00194	20424	Am-241	0.0013 U	0.0036	0.0013	0.0454	1.00 - 5.00
5B-00194	20424	Bi-212	0.974	0.12	0.069	2.15	1.00 - 5.00
5B-00194	20424	Bi-214	0.907	0.026	0.033	1.59	1.00 - 5.00
5B-00194	20424	Cd-113m	-0.1 U	43	13	3030	1.00 - 5.00
5B-00194	20424	Cm-243/244	0 U	0.0035	0.0015	0.0443	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00194	20424	Cm-245/246	0.0016 U J	0.0022	0.0012	0.0401	1.00 - 5.00
5B-00194	20424	Cm-247/248	-8E-04 U	0.0059	0.0009	0.0306	1.00 - 5.00
5B-00194	20424	Co-60	0.0003 U	0.018	0.0053	0.028	1.00 - 5.00
5B-00194	20424	Cs-134	0.0221 U	0.065	0.0077	0.0864	1.00 - 5.00
5B-00194	20424	Cs-137	0.0066 U	0.016	0.0049	0.207	1.00 - 5.00
5B-00194	20424	Eu-152	-0.014 U	0.04	0.012	0.0566	1.00 - 5.00
5B-00194	20424	Eu-154	-0.005 U	0.091	0.027	0.15	1.00 - 5.00
5B-00194	20424	Eu-155	0.081 SK	0.046	0.019	0.231	1.00 - 5.00
5B-00194	20424	Ho-166m	0.0016 U	0.024	0.0042	0.0432	1.00 - 5.00
5B-00194	20424	K-40	19.3	0.12	0.58	32.4	1.00 - 5.00
5B-00194	20424	Na-22	-0.005 U	0.023	0.007	0.037	1.00 - 5.00
5B-00194	20424	Nb-94	0.0056 U	0.014	0.0042	0.0214	1.00 - 5.00
5B-00194	20424	Np-236	-0.006 U	0.036	0.011	0.047	1.00 - 5.00
5B-00194	20424	Np-239	-0.004 U	0.094	0.028	0.139	1.00 - 5.00
5B-00194	20424	Pa-231	0.13 U	0.62	0.19	0.936	1.00 - 5.00
5B-00194	20424	Pb-212	1.44	0.03	0.044	2.69	1.00 - 5.00
5B-00194	20424	Pb-214	0.951	0.028	0.042	1.7	1.00 - 5.00
5B-00194	20424	Pu-236	0.0002 U	0.007	0.0015	7.79	1.00 - 5.00
5B-00194	20424	Pu-238	0.0005 U	0.0077	0.0018	0.0415	1.00 - 5.00
5B-00194	20424	Pu-239/240	-0.001 U	0.0061	0.0008	0.0404	1.00 - 5.00
5B-00194	20424	Pu-244	0.0025	0.0023	0.0015	0.0313	1.00 - 5.00
5B-00194	20424	Sb-125	0.109 SK	0.044	0.0089	0.354	1.00 - 5.00
5B-00194	20424	Sn-126	-9E-04 U	0.016	0.0047	0.0237	1.00 - 5.00
5B-00194	20424	Sr-90	0.034	0.041	0.013	0.485	1.00 - 5.00
5B-00194	20424	Te-125m	0.0252 SK	0.01	0.0021	0.0838	1.00 - 5.00
5B-00194	20424	Th-228	1.14	0.012	0.057	3.98	1.00 - 5.00
5B-00194	20424	Th-229	0.008	0.0093	0.0036	0.145	1.00 - 5.00
5B-00194	20424	Th-230	0.904	0.008	0.046	2.2	1.00 - 5.00
5B-00194	20424	Th-232	1.13	0.006	0.056	3.1	1.00 - 5.00
5B-00194	20424	Th-234	1.32 R	0.21	0.078	3.19	1.00 - 5.00
5B-00194	20424	Tl-208	0.471	0.018	0.018	0.937	1.00 - 5.00
5B-00194	20424	Tm-171	-12.9 R U J	9.9	3.1	72.4	1.00 - 5.00
5B-00194	20424	U-233/234	0.785	0.013	0.043	2.02	1.00 - 5.00
5B-00194	20424	U-235/236	0.0437	0.0033	0.0075	0.151	1.00 - 5.00
5B-00194	20424	U-238	0.793	0.007	0.043	1.8	1.00 - 5.00
5B-00194	20425	Ac-227	0.062	0.093	0.017	0.217	0.00 - 0.50
5B-00194	20425	Ac-228	1.17	0.064	0.041	2.4	0.00 - 0.50
5B-00194	20425	Am-241	0.0024 U	0.011	0.0031	0.0454	0.00 - 0.50
5B-00194	20425	Bi-212	0.927	0.094	0.059	2.15	0.00 - 0.50
5B-00194	20425	Bi-214	0.866	0.02	0.032	1.59	0.00 - 0.50
5B-00194	20425	Cd-113m	0.2 U	33	9.8	3030	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00194	20425	Cm-243/244	-0.002 U	0.013	0.0026	0.0443	0.00 - 0.50
5B-00194	20425	Cm-245/246	0.0033 J	0.003	0.0019	0.0401	0.00 - 0.50
5B-00194	20425	Cm-247/248	0.0011 U	0.008	0.002	0.0306	0.00 - 0.50
5B-00194	20425	Co-60	0.0025 U	0.014	0.0025	0.028	0.00 - 0.50
5B-00194	20425	Cs-134	0.0184 SK	0.037	0.005	0.0864	0.00 - 0.50
5B-00194	20425	Cs-137	0.0242	0.0086	0.0039	0.207	0.00 - 0.50
5B-00194	20425	Eu-152	0.0108 U	0.03	0.0059	0.0566	0.00 - 0.50
5B-00194	20425	Eu-154	0.0069 U	0.076	0.0049	0.15	0.00 - 0.50
5B-00194	20425	Eu-155	0.078 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00194	20425	Ho-166m	0.007 SK	0.014	0.0063	0.0432	0.00 - 0.50
5B-00194	20425	K-40	19.9	0.14	0.66	32.4	0.00 - 0.50
5B-00194	20425	Na-22	0.0084 U	0.018	0.0054	0.037	0.00 - 0.50
5B-00194	20425	Nb-94	0.0059	0.011	0.0032	0.0214	0.00 - 0.50
5B-00194	20425	Np-236	-2E-04 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00194	20425	Np-239	0.024 U	0.073	0.022	0.139	0.00 - 0.50
5B-00194	20425	Pa-231	0.18 U	0.44	0.13	0.936	0.00 - 0.50
5B-00194	20425	Pb-212	1.51	0.021	0.08	2.69	0.00 - 0.50
5B-00194	20425	Pb-214	0.97	0.021	0.036	1.7	0.00 - 0.50
5B-00194	20425	Pu-236	0.0008 U	0.0021	0.0008	7.79	0.00 - 0.50
5B-00194	20425	Pu-238	-2E-04 U	0.0056	0.0011	0.0415	0.00 - 0.50
5B-00194	20425	Pu-239/240	0.0002 U	0.0064	0.0014	0.0404	0.00 - 0.50
5B-00194	20425	Pu-244	0.0015	0.0021	0.0011	0.0313	0.00 - 0.50
5B-00194	20425	Sb-125	0.0976 SK	0.033	0.0071	0.354	0.00 - 0.50
5B-00194	20425	Sn-126	-8E-04 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00194	20425	Sr-90	0.012 U	0.049	0.014	0.485	0.00 - 0.50
5B-00194	20425	Te-125m	0.0225 SK	0.0077	0.0016	0.0838	0.00 - 0.50
5B-00194	20425	Th-228	1.21	0.024	0.063	3.98	0.00 - 0.50
5B-00194	20425	Th-229	0.0061	0.0093	0.0033	0.145	0.00 - 0.50
5B-00194	20425	Th-230	0.856	0.008	0.048	2.2	0.00 - 0.50
5B-00194	20425	Th-232	1.18	0.008	0.062	3.1	0.00 - 0.50
5B-00194	20425	Th-234	1.47	0.13	0.083	3.19	0.00 - 0.50
5B-00194	20425	Tl-208	0.472	0.014	0.018	0.937	0.00 - 0.50
5B-00194	20425	Tm-171	-4 L U	5	1.5	72.4	0.00 - 0.50
5B-00194	20425	U-233/234	0.805	0.003	0.046	2.02	0.00 - 0.50
5B-00194	20425	U-235/236	0.0441	0.004	0.0083	0.151	0.00 - 0.50
5B-00194	20425	U-238	0.832	0.009	0.047	1.8	0.00 - 0.50
5B-00195	20426	Ac-227	0.051	0.084	0.026	0.217	1.00 - 5.00
5B-00195	20426	Ac-228	1.35	0.067	0.047	2.4	1.00 - 5.00
5B-00195	20426	Am-241	0.0009 U	0.0064	0.0016	0.0454	1.00 - 5.00
5B-00195	20426	Bi-212	1.08	0.11	0.073	2.15	1.00 - 5.00
5B-00195	20426	Bi-214	0.971	0.023	0.037	1.59	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00195	20426	Cd-113m	-3 U	36	11	3030	1.00 - 5.00
5B-00195	20426	Cm-243/244	-9E-04 U	0.0062	0.001	0.0443	1.00 - 5.00
5B-00195	20426	Cm-245/246	0.0007 U	0.0052	0.0013	0.0401	1.00 - 5.00
5B-00195	20426	Cm-247/248	0 U	0.0051	0.001	0.0306	1.00 - 5.00
5B-00195	20426	Co-60	0.0019 U	0.014	0.0026	0.028	1.00 - 5.00
5B-00195	20426	Cs-134	0.0105 U	0.046	0.0023	0.0864	1.00 - 5.00
5B-00195	20426	Cs-137	0.02	0.011	0.0053	0.207	1.00 - 5.00
5B-00195	20426	Eu-152	-9E-04 U	0.033	0.0026	0.0566	1.00 - 5.00
5B-00195	20426	Eu-154	0.01 U	0.085	0.025	0.15	1.00 - 5.00
5B-00195	20426	Eu-155	0.084 SK	0.032	0.014	0.231	1.00 - 5.00
5B-00195	20426	Ho-166m	0.0062 U R	0.021	0.0057	0.0432	1.00 - 5.00
5B-00195	20426	K-40	20.2	0.14	0.67	32.4	1.00 - 5.00
5B-00195	20426	Na-22	-0.007 U	0.018	0.0055	0.037	1.00 - 5.00
5B-00195	20426	Nb-94	0.0029 U	0.012	0.0025	0.0214	1.00 - 5.00
5B-00195	20426	Np-236	-0.006 U	0.027	0.0082	0.047	1.00 - 5.00
5B-00195	20426	Np-239	-4E-04 U	0.08	0.024	0.139	1.00 - 5.00
5B-00195	20426	Pa-231	-5E-04 U	0.41	0.12	0.936	1.00 - 5.00
5B-00195	20426	Pb-212	1.57	0.028	0.083	2.69	1.00 - 5.00
5B-00195	20426	Pb-214	1.09	0.024	0.04	1.7	1.00 - 5.00
5B-00195	20426	Pu-236	0.0007 U	0.0019	0.0007	7.79	1.00 - 5.00
5B-00195	20426	Pu-238	0.0031	0.0042	0.0016	0.0415	1.00 - 5.00
5B-00195	20426	Pu-239/240	0.0021	0.0019	0.0012	0.0404	1.00 - 5.00
5B-00195	20426	Pu-244	0.0007 U	0.0019	0.0007	0.0313	1.00 - 5.00
5B-00195	20426	Sb-125	0.14 SK	0.035	0.01	0.354	1.00 - 5.00
5B-00195	20426	Sn-126	0.0003 U	0.011	0.0032	0.0237	1.00 - 5.00
5B-00195	20426	Sr-90	0.0017 U	0.033	0.0095	0.485	1.00 - 5.00
5B-00195	20426	Te-125m	0.0324 SK	0.008	0.0024	0.0838	1.00 - 5.00
5B-00195	20426	Th-228	1.47	0.021	0.075	3.98	1.00 - 5.00
5B-00195	20426	Th-229	0.0086	0.015	0.0051	0.145	1.00 - 5.00
5B-00195	20426	Th-230	1.14	0.009	0.06	2.2	1.00 - 5.00
5B-00195	20426	Th-232	1.46	0.003	0.074	3.1	1.00 - 5.00
5B-00195	20426	Th-234	1.64 R	0.13	0.089	3.19	1.00 - 5.00
5B-00195	20426	Tl-208	0.51	0.016	0.02	0.937	1.00 - 5.00
5B-00195	20426	Tm-171	5.4	4.8	1.9	72.4	1.00 - 5.00
5B-00195	20426	U-233/234	0.835	0.006	0.044	2.02	1.00 - 5.00
5B-00195	20426	U-235/236	0.035	0.0029	0.0063	0.151	1.00 - 5.00
5B-00195	20426	U-238	0.81	0.002	0.043	1.8	1.00 - 5.00
5B-00196	20427	Ac-227	0.022 U	0.13	0.021	0.217	1.00 - 5.00
5B-00196	20427	Ac-228	1.23	0.06	0.043	2.4	1.00 - 5.00
5B-00196	20427	Am-241	0.0012 U	0.0031	0.0012	0.0454	1.00 - 5.00
5B-00196	20427	Bi-212	0.969	0.096	0.061	2.15	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00196	20427	Bi-214	0.955	0.022	0.036	1.59	1.00 - 5.00
5B-00196	20427	Cd-113m	8 U	28	8.4	3030	1.00 - 5.00
5B-00196	20427	Cm-243/244	0 U	0.0083	0.0017	0.0443	1.00 - 5.00
5B-00196	20427	Cm-245/246	0 U J	0.0033	0.0014	0.0401	1.00 - 5.00
5B-00196	20427	Cm-247/248	-0.001 U	0.011	0.0022	0.0306	1.00 - 5.00
5B-00196	20427	Co-60	-1E-04 U	0.014	0.0002	0.028	1.00 - 5.00
5B-00196	20427	Cs-134	0.0083 U	0.038	0.0028	0.0864	1.00 - 5.00
5B-00196	20427	Cs-137	-0.002 U	0.013	0.004	0.207	1.00 - 5.00
5B-00196	20427	Eu-152	0.0002 U	0.032	0.0097	0.0566	1.00 - 5.00
5B-00196	20427	Eu-154	-0.041 U	0.084	0.025	0.15	1.00 - 5.00
5B-00196	20427	Eu-155	0.073 SK	0.033	0.014	0.231	1.00 - 5.00
5B-00196	20427	Ho-166m	-0.001 U	0.02	0.0014	0.0432	1.00 - 5.00
5B-00196	20427	K-40	20.9	0.15	0.7	32.4	1.00 - 5.00
5B-00196	20427	Na-22	-0.004 U	0.018	0.0055	0.037	1.00 - 5.00
5B-00196	20427	Nb-94	0.0039 U	0.011	0.0033	0.0214	1.00 - 5.00
5B-00196	20427	Np-236	0.0045 U	0.028	0.0083	0.047	1.00 - 5.00
5B-00196	20427	Np-239	-0.025 U	0.08	0.024	0.139	1.00 - 5.00
5B-00196	20427	Pa-231	0.19	0.34	0.1	0.936	1.00 - 5.00
5B-00196	20427	Pb-212	1.46	0.028	0.078	2.69	1.00 - 5.00
5B-00196	20427	Pb-214	1.07	0.025	0.04	1.7	1.00 - 5.00
5B-00196	20427	Pu-236	-8E-04 U	0.011	0.0025	7.79	1.00 - 5.00
5B-00196	20427	Pu-238	-0.002 U	0.0075	0.0011	0.0415	1.00 - 5.00
5B-00196	20427	Pu-239/240	-2E-04 U	0.006	0.0011	0.0404	1.00 - 5.00
5B-00196	20427	Pu-244	0.0003 U	0.0049	0.001	0.0313	1.00 - 5.00
5B-00196	20427	Sb-125	0.132 SK	0.034	0.01	0.354	1.00 - 5.00
5B-00196	20427	Sn-126	0.0023 U	0.012	0.0037	0.0237	1.00 - 5.00
5B-00196	20427	Sr-90	-0.004 U	0.046	0.013	0.485	1.00 - 5.00
5B-00196	20427	Te-125m	0.0306 SK	0.0078	0.0024	0.0838	1.00 - 5.00
5B-00196	20427	Th-228	1.32	0.021	0.071	3.98	1.00 - 5.00
5B-00196	20427	Th-229	0.0097	0.011	0.0039	0.145	1.00 - 5.00
5B-00196	20427	Th-230	0.986	0.004	0.057	2.2	1.00 - 5.00
5B-00196	20427	Th-232	1.28	0.016	0.07	3.1	1.00 - 5.00
5B-00196	20427	Th-234	0.616 R	0.15	0.053	3.19	1.00 - 5.00
5B-00196	20427	Tl-208	0.461	0.014	0.018	0.937	1.00 - 5.00
5B-00196	20427	Tm-171	0.2 U J	4	1.2	72.4	1.00 - 5.00
5B-00196	20427	U-233/234	0.75	0.009	0.041	2.02	1.00 - 5.00
5B-00196	20427	U-235/236	0.0368	0.0087	0.007	0.151	1.00 - 5.00
5B-00196	20427	U-238	0.795	0.003	0.043	1.8	1.00 - 5.00
5B-00196	20428	Ac-227	0.051 U	0.12	0.017	0.217	0.00 - 0.50
5B-00196	20428	Ac-228	1.14	0.071	0.042	2.4	0.00 - 0.50
5B-00196	20428	Am-241	0.0053	0.012	0.0039	0.0454	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00196	20428	Bi-212	0.97	0.1	0.064	2.15	0.00 - 0.50
5B-00196	20428	Bi-214	0.921	0.022	0.035	1.59	0.00 - 0.50
5B-00196	20428	Cd-113m	-6 U	34	10	3030	0.00 - 0.50
5B-00196	20428	Cm-243/244	0.0104	0.0035	0.0037	0.0443	0.00 - 0.50
5B-00196	20428	Cm-245/246	0.0019 U J	0.0026	0.0014	0.0401	0.00 - 0.50
5B-00196	20428	Cm-247/248	0 U	0.0026	0.0011	0.0306	0.00 - 0.50
5B-00196	20428	Co-60	-0.005 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00196	20428	Cs-134	0.0155 U	0.038	0.0039	0.0864	0.00 - 0.50
5B-00196	20428	Cs-137	0.042	0.0097	0.0047	0.207	0.00 - 0.50
5B-00196	20428	Eu-152	0.0146 U	0.032	0.0087	0.0566	0.00 - 0.50
5B-00196	20428	Eu-154	0.004 U	0.074	0.009	0.15	0.00 - 0.50
5B-00196	20428	Eu-155	0.067 SK	0.03	0.012	0.231	0.00 - 0.50
5B-00196	20428	Ho-166m	0.0055 U	0.017	0.0048	0.0432	0.00 - 0.50
5B-00196	20428	K-40	21	0.15	0.7	32.4	0.00 - 0.50
5B-00196	20428	Na-22	-0.004 U	0.017	0.005	0.037	0.00 - 0.50
5B-00196	20428	Nb-94	0.0104	0.0092	0.0043	0.0214	0.00 - 0.50
5B-00196	20428	Np-236	-3E-04 U	0.026	0.0079	0.047	0.00 - 0.50
5B-00196	20428	Np-239	0.002 U	0.071	0.021	0.139	0.00 - 0.50
5B-00196	20428	Pa-231	0.019 U	0.49	0.045	0.936	0.00 - 0.50
5B-00196	20428	Pb-212	1.45	0.021	0.076	2.69	0.00 - 0.50
5B-00196	20428	Pb-214	1.01	0.022	0.038	1.7	0.00 - 0.50
5B-00196	20428	Pu-236	0.002	0.0027	0.0014	7.79	0.00 - 0.50
5B-00196	20428	Pu-238	0.0002 U	0.0083	0.0018	0.0415	0.00 - 0.50
5B-00196	20428	Pu-239/240	0.001 U	0.0027	0.001	0.0404	0.00 - 0.50
5B-00196	20428	Pu-244	0.0008 U	0.0073	0.0017	0.0313	0.00 - 0.50
5B-00196	20428	Sb-125	0.139 SK	0.033	0.01	0.354	0.00 - 0.50
5B-00196	20428	Sn-126	-0.003 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00196	20428	Sr-90	0.018 U	0.042	0.013	0.485	0.00 - 0.50
5B-00196	20428	Te-125m	0.0321 SK	0.0076	0.0024	0.0838	0.00 - 0.50
5B-00196	20428	Th-228	1.14 J	0.022	0.063	3.98	0.00 - 0.50
5B-00196	20428	Th-229	0.0117 J	0.018	0.0062	0.145	0.00 - 0.50
5B-00196	20428	Th-230	0.898 J	0.011	0.052	2.2	0.00 - 0.50
5B-00196	20428	Th-232	1.03	0.013	0.058	3.1	0.00 - 0.50
5B-00196	20428	Th-234	1.31	0.14	0.08	3.19	0.00 - 0.50
5B-00196	20428	Tl-208	0.442	0.014	0.018	0.937	0.00 - 0.50
5B-00196	20428	Tm-171	-2.1 U	5.5	1.7	72.4	0.00 - 0.50
5B-00196	20428	U-233/234	0.814 J	0.015	0.05	2.02	0.00 - 0.50
5B-00196	20428	U-235/236	0.0396 J	0.015	0.0095	0.151	0.00 - 0.50
5B-00196	20428	U-238	0.835 J	0.012	0.051	1.8	0.00 - 0.50
5B-00197	20429	Ac-227	0.03 U	0.14	0.046	0.217	1.00 - 5.00
5B-00197	20429	Ac-228	1.18	0.077	0.04	2.4	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00197	20429	Am-241	0.0012 U	0.0031	0.0012	0.0454	1.00 - 5.00
5B-00197	20429	Bi-212	0.888	0.12	0.07	2.15	1.00 - 5.00
5B-00197	20429	Bi-214	0.889	0.025	0.032	1.59	1.00 - 5.00
5B-00197	20429	Cd-113m	-5 U	38	11	3030	1.00 - 5.00
5B-00197	20429	Cm-243/244	0.0023 U	0.0031	0.0016	0.0443	1.00 - 5.00
5B-00197	20429	Cm-245/246	0.0021	0.0052	0.0016	0.0401	1.00 - 5.00
5B-00197	20429	Cm-247/248	0.0007 U	0.0019	0.0007	0.0306	1.00 - 5.00
5B-00197	20429	Co-60	-0.006 U	0.018	0.0054	0.028	1.00 - 5.00
5B-00197	20429	Cs-134	0.0078 U	0.047	0.0025	0.0864	1.00 - 5.00
5B-00197	20429	Cs-137	-0.003 U	0.015	0.0045	0.207	1.00 - 5.00
5B-00197	20429	Eu-152	-0.002 U	0.037	0.0015	0.0566	1.00 - 5.00
5B-00197	20429	Eu-154	0.0023 U	0.1	0.0046	0.15	1.00 - 5.00
5B-00197	20429	Eu-155	0.079 SK	0.031	0.013	0.231	1.00 - 5.00
5B-00197	20429	Ho-166m	0.0315 RSK	0.023	0.0049	0.0432	1.00 - 5.00
5B-00197	20429	K-40	18	0.13	0.55	32.4	1.00 - 5.00
5B-00197	20429	Na-22	0.0067 U	0.022	0.0068	0.037	1.00 - 5.00
5B-00197	20429	Nb-94	0.0051 U	0.013	0.003	0.0214	1.00 - 5.00
5B-00197	20429	Np-236	0.0005 U	0.029	0.0087	0.047	1.00 - 5.00
5B-00197	20429	Np-239	0.026 U	0.065	0.02	0.139	1.00 - 5.00
5B-00197	20429	Pa-231	0.14 U	0.56	0.17	0.936	1.00 - 5.00
5B-00197	20429	Pb-212	1.4	0.027	0.058	2.69	1.00 - 5.00
5B-00197	20429	Pb-214	1.01	0.025	0.034	1.7	1.00 - 5.00
5B-00197	20429	Pu-236	-6E-04 U	0.0057	0.0011	7.79	1.00 - 5.00
5B-00197	20429	Pu-238	0.0004 U	0.0063	0.0015	0.0415	1.00 - 5.00
5B-00197	20429	Pu-239/240	0.0006 U	0.005	0.0012	0.0404	1.00 - 5.00
5B-00197	20429	Pu-244	0.0028	0.0019	0.0014	0.0313	1.00 - 5.00
5B-00197	20429	Sb-125	0.136 SK	0.039	0.011	0.354	1.00 - 5.00
5B-00197	20429	Sn-126	0.0028 U	0.015	0.0044	0.0237	1.00 - 5.00
5B-00197	20429	Sr-90	0.004 U	0.035	0.01	0.485	1.00 - 5.00
5B-00197	20429	Te-125m	0.0314 SK	0.0089	0.0025	0.0838	1.00 - 5.00
5B-00197	20429	Th-228	1.31	0.017	0.068	3.98	1.00 - 5.00
5B-00197	20429	Th-229	0.0024 U	0.0088	0.0025	0.145	1.00 - 5.00
5B-00197	20429	Th-230	0.943	0.003	0.052	2.2	1.00 - 5.00
5B-00197	20429	Th-232	1.27	0.013	0.066	3.1	1.00 - 5.00
5B-00197	20429	Th-234	1.34 R	0.14	0.078	3.19	1.00 - 5.00
5B-00197	20429	Tl-208	0.462	0.017	0.017	0.937	1.00 - 5.00
5B-00197	20429	Tm-171	-1.9 U	6	1.8	72.4	1.00 - 5.00
5B-00197	20429	U-233/234	0.984	0.016	0.054	2.02	1.00 - 5.00
5B-00197	20429	U-235/236	0.0548	0.0039	0.0092	0.151	1.00 - 5.00
5B-00197	20429	U-238	0.931	0.003	0.051	1.8	1.00 - 5.00
5B-00198	20430	Ac-227	0.043 U	0.11	0.034	0.217	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00198	20430	Ac-228	1.22	0.061	0.042	2.4	1.00 - 5.00
5B-00198	20430	Am-241	0 U	0.003	0.0013	0.0454	1.00 - 5.00
5B-00198	20430	Bi-212	0.987	0.094	0.063	2.15	1.00 - 5.00
5B-00198	20430	Bi-214	0.882	0.018	0.032	1.59	1.00 - 5.00
5B-00198	20430	Cd-113m	4.4 U	31	9.4	3030	1.00 - 5.00
5B-00198	20430	Cm-243/244	0.0011 U	0.0081	0.002	0.0443	1.00 - 5.00
5B-00198	20430	Cm-245/246	0.0054	0.005	0.0022	0.0401	1.00 - 5.00
5B-00198	20430	Cm-247/248	0 U	0.0049	0.001	0.0306	1.00 - 5.00
5B-00198	20430	Co-60	-0.002 U	0.013	0.0039	0.028	1.00 - 5.00
5B-00198	20430	Cs-134	0.0191 U	0.041	0.004	0.0864	1.00 - 5.00
5B-00198	20430	Cs-137	0.0161	0.0082	0.0036	0.207	1.00 - 5.00
5B-00198	20430	Eu-152	-0.009 U	0.029	0.0087	0.0566	1.00 - 5.00
5B-00198	20430	Eu-154	-0.005 U	0.07	0.021	0.15	1.00 - 5.00
5B-00198	20430	Eu-155	0.074 SK	0.027	0.011	0.231	1.00 - 5.00
5B-00198	20430	Ho-166m	0.0097 RSK	0.017	0.0069	0.0432	1.00 - 5.00
5B-00198	20430	K-40	17.8	0.13	0.59	32.4	1.00 - 5.00
5B-00198	20430	Na-22	0.0029 U	0.017	0.0052	0.037	1.00 - 5.00
5B-00198	20430	Nb-94	0.0011 U	0.01	0.0031	0.0214	1.00 - 5.00
5B-00198	20430	Np-236	-0.009 U	0.025	0.0077	0.047	1.00 - 5.00
5B-00198	20430	Np-239	-0.035 U	0.069	0.021	0.139	1.00 - 5.00
5B-00198	20430	Pa-231	-0.07 U	0.47	0.14	0.936	1.00 - 5.00
5B-00198	20430	Pb-212	1.45	0.022	0.077	2.69	1.00 - 5.00
5B-00198	20430	Pb-214	0.964	0.017	0.035	1.7	1.00 - 5.00
5B-00198	20430	Pu-236	0.0008 U	0.0021	0.0008	7.79	1.00 - 5.00
5B-00198	20430	Pu-238	0.0032	0.0021	0.0016	0.0415	1.00 - 5.00
5B-00198	20430	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	1.00 - 5.00
5B-00198	20430	Pu-244	0.004	0.0021	0.0018	0.0313	1.00 - 5.00
5B-00198	20430	Sb-125	0.138 SK	0.028	0.0094	0.354	1.00 - 5.00
5B-00198	20430	Sn-126	-0.002 U	0.012	0.0035	0.0237	1.00 - 5.00
5B-00198	20430	Sr-90	0.015 U	0.038	0.011	0.485	1.00 - 5.00
5B-00198	20430	Te-125m	0.0318 SK	0.0064	0.0022	0.0838	1.00 - 5.00
5B-00198	20430	Th-228	1.35	0.018	0.07	3.98	1.00 - 5.00
5B-00198	20430	Th-229	0.0113	0.015	0.0054	0.145	1.00 - 5.00
5B-00198	20430	Th-230	1.05	0.009	0.057	2.2	1.00 - 5.00
5B-00198	20430	Th-232	1.36	0.003	0.07	3.1	1.00 - 5.00
5B-00198	20430	Th-234	1.41 R	0.12	0.078	3.19	1.00 - 5.00
5B-00198	20430	Tl-208	0.46	0.013	0.018	0.937	1.00 - 5.00
5B-00198	20430	Tm-171	-3.7 JU	4.5	1.4	72.4	1.00 - 5.00
5B-00198	20430	U-233/234	0.907	0.015	0.051	2.02	1.00 - 5.00
5B-00198	20430	U-235/236	0.0516	0.0041	0.0091	0.151	1.00 - 5.00
5B-00198	20430	U-238	0.845	0.013	0.048	1.8	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00198	20431	Ac-227	0.011 U	0.12	0.035	0.217	0.00 - 0.50
5B-00198	20431	Ac-228	1.12	0.065	0.041	2.4	0.00 - 0.50
5B-00198	20431	Am-241	0.0017 U	0.01	0.0028	0.0454	0.00 - 0.50
5B-00198	20431	Bi-212	0.886	0.099	0.06	2.15	0.00 - 0.50
5B-00198	20431	Bi-214	0.834	0.023	0.033	1.59	0.00 - 0.50
5B-00198	20431	Cd-113m	-0.06 U	34	10	3030	0.00 - 0.50
5B-00198	20431	Cm-243/244	-0.002 U	0.0089	0.0018	0.0443	0.00 - 0.50
5B-00198	20431	Cm-245/246	0.0023 J K	0.0021	0.0014	0.0401	0.00 - 0.50
5B-00198	20431	Cm-247/248	0 U	0.0021	0.0009	0.0306	0.00 - 0.50
5B-00198	20431	Co-60	0.0013 U	0.014	0.0029	0.028	0.00 - 0.50
5B-00198	20431	Cs-134	0.0115 U	0.044	0.0038	0.0864	0.00 - 0.50
5B-00198	20431	Cs-137	0.0599	0.01	0.0055	0.207	0.00 - 0.50
5B-00198	20431	Eu-152	-0.017 U	0.031	0.0093	0.0566	0.00 - 0.50
5B-00198	20431	Eu-154	0.0018 U	0.081	0.0013	0.15	0.00 - 0.50
5B-00198	20431	Eu-155	0.061 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00198	20431	Ho-166m	-0.001 U	0.019	0.0019	0.0432	0.00 - 0.50
5B-00198	20431	K-40	20.4	0.12	0.68	32.4	0.00 - 0.50
5B-00198	20431	Na-22	-0.005 U	0.019	0.0058	0.037	0.00 - 0.50
5B-00198	20431	Nb-94	0.0028 U	0.011	0.0025	0.0214	0.00 - 0.50
5B-00198	20431	Np-236	-6E-04 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00198	20431	Np-239	-0.012 U	0.074	0.022	0.139	0.00 - 0.50
5B-00198	20431	Pa-231	0.001 U	0.41	0.12	0.936	0.00 - 0.50
5B-00198	20431	Pb-212	1.39	0.021	0.074	2.69	0.00 - 0.50
5B-00198	20431	Pb-214	0.918	0.023	0.035	1.7	0.00 - 0.50
5B-00198	20431	Pu-236	0.0015	0.002	0.0011	7.79	0.00 - 0.50
5B-00198	20431	Pu-238	-5E-04 U	0.0045	0.0005	0.0415	0.00 - 0.50
5B-00198	20431	Pu-239/240	0 U	0.002	0.0007	0.0404	0.00 - 0.50
5B-00198	20431	Pu-244	0.003	0.002	0.0015	0.0313	0.00 - 0.50
5B-00198	20431	Sb-125	0.121 SK	0.034	0.0097	0.354	0.00 - 0.50
5B-00198	20431	Sn-126	-2E-04 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00198	20431	Sr-90	0.026	0.036	0.011	0.485	0.00 - 0.50
5B-00198	20431	Te-125m	0.028 SK	0.008	0.0023	0.0838	0.00 - 0.50
5B-00198	20431	Th-228	1.05	0.021	0.056	3.98	0.00 - 0.50
5B-00198	20431	Th-229	0.0068	0.01	0.0036	0.145	0.00 - 0.50
5B-00198	20431	Th-230	0.742	0.009	0.042	2.2	0.00 - 0.50
5B-00198	20431	Th-232	0.923	0.014	0.05	3.1	0.00 - 0.50
5B-00198	20431	Th-234	1.34 R	0.13	0.078	3.19	0.00 - 0.50
5B-00198	20431	Tl-208	0.42	0.015	0.017	0.937	0.00 - 0.50
5B-00198	20431	Tm-171	-4 U J	4.7	1.4	72.4	0.00 - 0.50
5B-00198	20431	U-233/234	0.618	0.003	0.036	2.02	0.00 - 0.50
5B-00198	20431	U-235/236	0.0379	0.011	0.0073	0.151	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00198	20431	U-238	0.662	0.003	0.037	1.8	0.00 - 0.50
5B-00199	20432	Ac-227	0.012 U	0.13	0.039	0.217	1.00 - 5.00
5B-00199	20432	Ac-228	1.02	0.077	0.052	2.4	1.00 - 5.00
5B-00199	20432	Am-241	0 U	0.0084	0.0017	0.0454	1.00 - 5.00
5B-00199	20432	Bi-212	0.955	0.12	0.071	2.15	1.00 - 5.00
5B-00199	20432	Bi-214	0.893	0.023	0.031	1.59	1.00 - 5.00
5B-00199	20432	Cd-113m	-5 U	38	11	3030	1.00 - 5.00
5B-00199	20432	Cm-243/244	0 U	0.003	0.0012	0.0443	1.00 - 5.00
5B-00199	20432	Cm-245/246	0.0027	0.0018	0.0013	0.0401	1.00 - 5.00
5B-00199	20432	Cm-247/248	0 U	0.0049	0.001	0.0306	1.00 - 5.00
5B-00199	20432	Co-60	0 U	0.017	0.0052	0.028	1.00 - 5.00
5B-00199	20432	Cs-134	0.0124 SK	0.01	0.0056	0.0864	1.00 - 5.00
5B-00199	20432	Cs-137	-0.002 U	0.014	0.0042	0.207	1.00 - 5.00
5B-00199	20432	Eu-152	-0.013 U	0.034	0.01	0.0566	1.00 - 5.00
5B-00199	20432	Eu-154	0.006 U	0.094	0.015	0.15	1.00 - 5.00
5B-00199	20432	Eu-155	0.076 SK	0.031	0.012	0.231	1.00 - 5.00
5B-00199	20432	Ho-166m	0.0289 RSK	0.023	0.0051	0.0432	1.00 - 5.00
5B-00199	20432	K-40	18.8	0.12	0.57	32.4	1.00 - 5.00
5B-00199	20432	Na-22	0.0015 U	0.017	0.0051	0.037	1.00 - 5.00
5B-00199	20432	Nb-94	-0.004 U	0.013	0.0038	0.0214	1.00 - 5.00
5B-00199	20432	Np-236	-0.008 U	0.029	0.0088	0.047	1.00 - 5.00
5B-00199	20432	Np-239	-1E-04 U	0.079	0.024	0.139	1.00 - 5.00
5B-00199	20432	Pa-231	0.086 U	0.55	0.054	0.936	1.00 - 5.00
5B-00199	20432	Pb-212	1.35	0.026	0.055	2.69	1.00 - 5.00
5B-00199	20432	Pb-214	0.994	0.026	0.033	1.7	1.00 - 5.00
5B-00199	20432	Pu-236	-5E-04 U	0.0047	0.0005	7.79	1.00 - 5.00
5B-00199	20432	Pu-238	0.0008 U	0.0021	0.0008	0.0415	1.00 - 5.00
5B-00199	20432	Pu-239/240	0.004	0.0021	0.0018	0.0404	1.00 - 5.00
5B-00199	20432	Pu-244	0.0024	0.0021	0.0014	0.0313	1.00 - 5.00
5B-00199	20432	Sb-125	0.0992 SK	0.038	0.0082	0.354	1.00 - 5.00
5B-00199	20432	Sn-126	0.0046 U	0.014	0.0042	0.0237	1.00 - 5.00
5B-00199	20432	Sr-90	0.012 U	0.034	0.01	0.485	1.00 - 5.00
5B-00199	20432	Te-125m	0.0229 SK	0.0088	0.0019	0.0838	1.00 - 5.00
5B-00199	20432	Th-228	1.46	0.022	0.077	3.98	1.00 - 5.00
5B-00199	20432	Th-229	0.0053	0.0099	0.0033	0.145	1.00 - 5.00
5B-00199	20432	Th-230	1.17	0.01	0.064	2.2	1.00 - 5.00
5B-00199	20432	Th-232	1.35	0.013	0.072	3.1	1.00 - 5.00
5B-00199	20432	Th-234	1.49 R	0.14	0.082	3.19	1.00 - 5.00
5B-00199	20432	Tl-208	0.449	0.015	0.016	0.937	1.00 - 5.00
5B-00199	20432	Tm-171	-4.7 JU	4.9	1.5	72.4	1.00 - 5.00
5B-00199	20432	U-233/234	0.897	0.012	0.049	2.02	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00199	20432	U-235/236	0.0428	0.0037	0.0079	0.151	1.00 - 5.00
5B-00199	20432	U-238	0.925	0.008	0.05	1.8	1.00 - 5.00
5B-00199	20433	Ac-227	0.032 U	0.15	0.054	0.217	0.00 - 0.50
5B-00199	20433	Ac-228	1.12	0.087	0.039	2.4	0.00 - 0.50
5B-00199	20433	Am-241	0.007	0.0027	0.0027	0.0454	0.00 - 0.50
5B-00199	20433	Bi-212	0.903	0.13	0.073	2.15	0.00 - 0.50
5B-00199	20433	Bi-214	1.03	0.028	0.037	1.59	0.00 - 0.50
5B-00199	20433	Cd-113m	4 U	43	13	3030	0.00 - 0.50
5B-00199	20433	Cm-243/244	-0.001 U	0.0091	0.0018	0.0443	0.00 - 0.50
5B-00199	20433	Cm-245/246	0.0012 U J	0.0086	0.0021	0.0401	0.00 - 0.50
5B-00199	20433	Cm-247/248	0 U	0.0031	0.0013	0.0306	0.00 - 0.50
5B-00199	20433	Co-60	0.0003 U	0.02	0.006	0.028	0.00 - 0.50
5B-00199	20433	Cs-134	-0.007 U	0.06	0.018	0.0864	0.00 - 0.50
5B-00199	20433	Cs-137	0.0439	0.013	0.0061	0.207	0.00 - 0.50
5B-00199	20433	Eu-152	-0.011 U	0.041	0.012	0.0566	0.00 - 0.50
5B-00199	20433	Eu-154	-0.037 U	0.11	0.034	0.15	0.00 - 0.50
5B-00199	20433	Eu-155	0.072 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00199	20433	Ho-166m	-0.005 U	0.026	0.0051	0.0432	0.00 - 0.50
5B-00199	20433	K-40	19.8	0.15	0.6	32.4	0.00 - 0.50
5B-00199	20433	Na-22	0 U	0.032	0.0091	0.037	0.00 - 0.50
5B-00199	20433	Nb-94	0.0069 U	0.015	0.0045	0.0214	0.00 - 0.50
5B-00199	20433	Np-236	-1E-04 U	0.032	0.0095	0.047	0.00 - 0.50
5B-00199	20433	Np-239	-0.011 U	0.09	0.027	0.139	0.00 - 0.50
5B-00199	20433	Pa-231	-0.1 U	0.62	0.19	0.936	0.00 - 0.50
5B-00199	20433	Pb-212	1.41	0.031	0.059	2.69	0.00 - 0.50
5B-00199	20433	Pb-214	1.17	0.027	0.038	1.7	0.00 - 0.50
5B-00199	20433	Pu-236	-7E-04 U	0.0076	0.0014	7.79	0.00 - 0.50
5B-00199	20433	Pu-238	0.0002 U	0.0076	0.0017	0.0415	0.00 - 0.50
5B-00199	20433	Pu-239/240	0.0009 U	0.0025	0.0009	0.0404	0.00 - 0.50
5B-00199	20433	Pu-244	0.0027	0.0025	0.0016	0.0313	0.00 - 0.50
5B-00199	20433	Sb-125	0.118 SK	0.044	0.011	0.354	0.00 - 0.50
5B-00199	20433	Sn-126	-0.003 U	0.017	0.0052	0.0237	0.00 - 0.50
5B-00199	20433	Sr-90	-0.001 U	0.047	0.013	0.485	0.00 - 0.50
5B-00199	20433	Te-125m	0.0273 SK	0.01	0.0025	0.0838	0.00 - 0.50
5B-00199	20433	Th-228	1.11	0.022	0.06	3.98	0.00 - 0.50
5B-00199	20433	Th-229	0.0035 U	0.013	0.0036	0.145	0.00 - 0.50
5B-00199	20433	Th-230	0.981	0.009	0.054	2.2	0.00 - 0.50
5B-00199	20433	Th-232	1.03	0.012	0.056	3.1	0.00 - 0.50
5B-00199	20433	Th-234	1.54	0.15	0.086	3.19	0.00 - 0.50
5B-00199	20433	Tl-208	0.457	0.016	0.017	0.937	0.00 - 0.50
5B-00199	20433	Tm-171	-0.2 U	6.6	2	72.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00199	20433	U-233/234	0.972	0.009	0.053	2.02	0.00 - 0.50
5B-00199	20433	U-235/236	0.0409	0.011	0.0082	0.151	0.00 - 0.50
5B-00199	20433	U-238	0.981	0.011	0.053	1.8	0.00 - 0.50
5B-00200	20434	Ac-227	0.057 U	0.12	0.015	0.217	1.00 - 5.00
5B-00200	20434	Ac-228	1.13	0.063	0.04	2.4	1.00 - 5.00
5B-00200	20434	Am-241	0 U	0.0095	0.0022	0.0454	1.00 - 5.00
5B-00200	20434	Bi-212	0.985	0.099	0.065	2.15	1.00 - 5.00
5B-00200	20434	Bi-214	0.85	0.023	0.033	1.59	1.00 - 5.00
5B-00200	20434	Cd-113m	9 U	33	10	3030	1.00 - 5.00
5B-00200	20434	Cm-243/244	0.002 U	0.0074	0.0021	0.0443	1.00 - 5.00
5B-00200	20434	Cm-245/246	0.0026	0.0039	0.0014	0.0401	1.00 - 5.00
5B-00200	20434	Cm-247/248	0.0005 U	0.0014	0.0005	0.0306	1.00 - 5.00
5B-00200	20434	Co-60	0 U	0.014	0.0041	0.028	1.00 - 5.00
5B-00200	20434	Cs-134	-0.022 JU	0.016	0.005	0.0864	1.00 - 5.00
5B-00200	20434	Cs-137	0.0205	0.0087	0.0039	0.207	1.00 - 5.00
5B-00200	20434	Eu-152	0.0036 U	0.027	0.0031	0.0566	1.00 - 5.00
5B-00200	20434	Eu-154	-0.022 U	0.075	0.023	0.15	1.00 - 5.00
5B-00200	20434	Eu-155	0.074 SK	0.028	0.011	0.231	1.00 - 5.00
5B-00200	20434	Ho-166m	0.0286 RSK	0.019	0.0036	0.0432	1.00 - 5.00
5B-00200	20434	K-40	20.4	0.14	0.68	32.4	1.00 - 5.00
5B-00200	20434	Na-22	0.0021 U	0.018	0.0054	0.037	1.00 - 5.00
5B-00200	20434	Nb-94	0.0035 U	0.011	0.0025	0.0214	1.00 - 5.00
5B-00200	20434	Np-236	-9E-04 U	0.027	0.0082	0.047	1.00 - 5.00
5B-00200	20434	Np-239	0.021 U	0.075	0.023	0.139	1.00 - 5.00
5B-00200	20434	Pa-231	-0.009 U	0.46	0.14	0.936	1.00 - 5.00
5B-00200	20434	Pb-212	1.42	0.02	0.075	2.69	1.00 - 5.00
5B-00200	20434	Pb-214	0.959	0.022	0.036	1.7	1.00 - 5.00
5B-00200	20434	Pu-236	-1E-04 U	0.0054	0.001	7.79	1.00 - 5.00
5B-00200	20434	Pu-238	0.0037	0.002	0.0017	0.0415	1.00 - 5.00
5B-00200	20434	Pu-239/240	0.0033	0.0044	0.0017	0.0404	1.00 - 5.00
5B-00200	20434	Pu-244	0.0007 U	0.002	0.0007	0.0313	1.00 - 5.00
5B-00200	20434	Sb-125	0.132 SK	0.032	0.01	0.354	1.00 - 5.00
5B-00200	20434	Sn-126	0.0002 U	0.013	0.0039	0.0237	1.00 - 5.00
5B-00200	20434	Sr-90	0.022 U	0.04	0.012	0.485	1.00 - 5.00
5B-00200	20434	Te-125m	0.0305 SK	0.0074	0.0023	0.0838	1.00 - 5.00
5B-00200	20434	Th-228	1.32	0.028	0.07	3.98	1.00 - 5.00
5B-00200	20434	Th-229	0.0024 U	0.011	0.0031	0.145	1.00 - 5.00
5B-00200	20434	Th-230	0.966	0.012	0.054	2.2	1.00 - 5.00
5B-00200	20434	Th-232	1.35	0.009	0.07	3.1	1.00 - 5.00
5B-00200	20434	Th-234	1.33 R	0.14	0.08	3.19	1.00 - 5.00
5B-00200	20434	Tl-208	0.425	0.015	0.017	0.937	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00200	20434	Tm-171	-2 U	5.4	1.6	72.4	1.00 - 5.00
5B-00200	20434	U-233/234	0.728	0.008	0.042	2.02	1.00 - 5.00
5B-00200	20434	U-235/236	0.03	0.0037	0.0065	0.151	1.00 - 5.00
5B-00200	20434	U-238	0.681	0.008	0.04	1.8	1.00 - 5.00
5B-00201	20435	Ac-227	0.04 U	0.13	0.045	0.217	1.00 - 5.00
5B-00201	20435	Ac-228	1.08	0.082	0.038	2.4	1.00 - 5.00
5B-00201	20435	Am-241	0.002	0.0048	0.0015	0.0454	1.00 - 5.00
5B-00201	20435	Bi-212	0.85	0.12	0.065	2.15	1.00 - 5.00
5B-00201	20435	Bi-214	0.811	0.024	0.029	1.59	1.00 - 5.00
5B-00201	20435	Cd-113m	-6 U	38	12	3030	1.00 - 5.00
5B-00201	20435	Cm-243/244	0.0006 U	0.0017	0.0006	0.0443	1.00 - 5.00
5B-00201	20435	Cm-245/246	0.0019 U J	0.0026	0.0014	0.0401	1.00 - 5.00
5B-00201	20435	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	1.00 - 5.00
5B-00201	20435	Co-60	0.0019 U	0.017	0.0045	0.028	1.00 - 5.00
5B-00201	20435	Cs-134	-0.006 JU	0.006	0.0019	0.0864	1.00 - 5.00
5B-00201	20435	Cs-137	0.015	0.017	0.0068	0.207	1.00 - 5.00
5B-00201	20435	Eu-152	0.021 J	0.036	0.011	0.0566	1.00 - 5.00
5B-00201	20435	Eu-154	-0.048 U	0.1	0.031	0.15	1.00 - 5.00
5B-00201	20435	Eu-155	0.066 SK	0.029	0.011	0.231	1.00 - 5.00
5B-00201	20435	Ho-166m	0.012 RSK	0.024	0.01	0.0432	1.00 - 5.00
5B-00201	20435	K-40	18	0.14	0.55	32.4	1.00 - 5.00
5B-00201	20435	Na-22	0.0028 U	0.024	0.007	0.037	1.00 - 5.00
5B-00201	20435	Nb-94	0.0148 SK	0.011	0.0049	0.0214	1.00 - 5.00
5B-00201	20435	Np-236	-0.006 U	0.025	0.0075	0.047	1.00 - 5.00
5B-00201	20435	Np-239	-0.017 U	0.082	0.025	0.139	1.00 - 5.00
5B-00201	20435	Pa-231	-0.14 U	0.55	0.17	0.936	1.00 - 5.00
5B-00201	20435	Pb-212	1.39	0.022	0.057	2.69	1.00 - 5.00
5B-00201	20435	Pb-214	0.891	0.025	0.031	1.7	1.00 - 5.00
5B-00201	20435	Pu-236	0.0046	0.009	0.0029	7.79	1.00 - 5.00
5B-00201	20435	Pu-238	0.0005 U	0.0078	0.0019	0.0415	1.00 - 5.00
5B-00201	20435	Pu-239/240	0.0003 U	0.005	0.001	0.0404	1.00 - 5.00
5B-00201	20435	Pu-244	0.0009 U	0.0023	0.0009	0.0313	1.00 - 5.00
5B-00201	20435	Sb-125	0.003 U	0.041	0.015	0.354	1.00 - 5.00
5B-00201	20435	Sn-126	0.0025 U	0.015	0.0046	0.0237	1.00 - 5.00
5B-00201	20435	Sr-90	0.017 U	0.035	0.011	0.485	1.00 - 5.00
5B-00201	20435	Te-125m	0.0008 U	0.0094	0.0034	0.0838	1.00 - 5.00
5B-00201	20435	Th-228	1.36	0.023	0.071	3.98	1.00 - 5.00
5B-00201	20435	Th-229	0.006	0.0089	0.0033	0.145	1.00 - 5.00
5B-00201	20435	Th-230	0.994	0.012	0.055	2.2	1.00 - 5.00
5B-00201	20435	Th-232	1.25	0.012	0.066	3.1	1.00 - 5.00
5B-00201	20435	Th-234	0.314 R	0.15	0.047	3.19	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00201	20435	Tl-208	0.431	0.016	0.016	0.937	1.00 - 5.00
5B-00201	20435	Tm-171	1.6 U	5.1	1.6	72.4	1.00 - 5.00
5B-00201	20435	U-233/234	0.755	0.005	0.039	2.02	1.00 - 5.00
5B-00201	20435	U-235/236	0.0321	0.0076	0.0056	0.151	1.00 - 5.00
5B-00201	20435	U-238	0.787	0.006	0.04	1.8	1.00 - 5.00
5B-00202	20436	Ac-227	0.076	0.11	0.016	0.217	1.00 - 5.00
5B-00202	20436	Ac-228	1.11	0.06	0.039	2.4	1.00 - 5.00
5B-00202	20436	Am-241	0.0022 U	0.008	0.0022	0.0454	1.00 - 5.00
5B-00202	20436	Bi-212	1	0.1	0.068	2.15	1.00 - 5.00
5B-00202	20436	Bi-214	0.788	0.021	0.03	1.59	1.00 - 5.00
5B-00202	20436	Cd-113m	-7.1 U	31	9.3	3030	1.00 - 5.00
5B-00202	20436	Cm-243/244	0.0021 U	0.0078	0.0022	0.0443	1.00 - 5.00
5B-00202	20436	Cm-245/246	0.001 U J	0.0075	0.0018	0.0401	1.00 - 5.00
5B-00202	20436	Cm-247/248	0.001 U	0.0074	0.0018	0.0306	1.00 - 5.00
5B-00202	20436	Co-60	0.0012 U	0.014	0.0042	0.028	1.00 - 5.00
5B-00202	20436	Cs-134	0.0096 U	0.039	0.0036	0.0864	1.00 - 5.00
5B-00202	20436	Cs-137	0.0182	0.0087	0.004	0.207	1.00 - 5.00
5B-00202	20436	Eu-152	-0.007 U	0.028	0.0083	0.0566	1.00 - 5.00
5B-00202	20436	Eu-154	-0.028 U	0.075	0.023	0.15	1.00 - 5.00
5B-00202	20436	Eu-155	0.063 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00202	20436	Ho-166m	0.028 RSK	0.018	0.0035	0.0432	1.00 - 5.00
5B-00202	20436	K-40	19.7	0.12	0.65	32.4	1.00 - 5.00
5B-00202	20436	Na-22	-0.006 U	0.018	0.0055	0.037	1.00 - 5.00
5B-00202	20436	Nb-94	0.0017 U	0.01	0.0031	0.0214	1.00 - 5.00
5B-00202	20436	Np-236	-0.002 U	0.025	0.0076	0.047	1.00 - 5.00
5B-00202	20436	Np-239	-0.009 U	0.07	0.021	0.139	1.00 - 5.00
5B-00202	20436	Pa-231	0.02 U	0.46	0.14	0.936	1.00 - 5.00
5B-00202	20436	Pb-212	1.38	0.018	0.073	2.69	1.00 - 5.00
5B-00202	20436	Pb-214	0.874	0.021	0.033	1.7	1.00 - 5.00
5B-00202	20436	Pu-236	-0.001 U	0.007	0.0013	7.79	1.00 - 5.00
5B-00202	20436	Pu-238	0.002	0.0052	0.0016	0.0415	1.00 - 5.00
5B-00202	20436	Pu-239/240	0.0031	0.0042	0.0017	0.0404	1.00 - 5.00
5B-00202	20436	Pu-244	0.0014	0.0019	0.001	0.0313	1.00 - 5.00
5B-00202	20436	Sb-125	0.128 SK	0.031	0.0089	0.354	1.00 - 5.00
5B-00202	20436	Sn-126	0.0085	0.0077	0.0032	0.0237	1.00 - 5.00
5B-00202	20436	Sr-90	-0.009 U	0.04	0.011	0.485	1.00 - 5.00
5B-00202	20436	Te-125m	0.0297 SK	0.0073	0.0021	0.0838	1.00 - 5.00
5B-00202	20436	Th-228	1.16	0.019	0.06	3.98	1.00 - 5.00
5B-00202	20436	Th-229	-0.003 U	0.017	0.0041	0.145	1.00 - 5.00
5B-00202	20436	Th-230	0.976	0.003	0.052	2.2	1.00 - 5.00
5B-00202	20436	Th-232	1.25	0.012	0.064	3.1	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00202	20436	Th-234	1.33 R	0.12	0.075	3.19	1.00 - 5.00
5B-00202	20436	Tl-208	0.419	0.013	0.016	0.937	1.00 - 5.00
5B-00202	20436	Tm-171	-2.4 U	4.8	1.5	72.4	1.00 - 5.00
5B-00202	20436	U-233/234	0.667	0.013	0.039	2.02	1.00 - 5.00
5B-00202	20436	U-235/236	0.0386	0.01	0.0077	0.151	1.00 - 5.00
5B-00202	20436	U-238	0.659	0.008	0.039	1.8	1.00 - 5.00
5B-00202	20437	Ac-227	0.01 U	0.11	0.034	0.217	0.00 - 0.50
5B-00202	20437	Ac-228	1.15	0.06	0.04	2.4	0.00 - 0.50
5B-00202	20437	Am-241	0.0022 U	0.0069	0.002	0.0454	0.00 - 0.50
5B-00202	20437	Bi-212	0.95	0.11	0.068	2.15	0.00 - 0.50
5B-00202	20437	Bi-214	0.84	0.022	0.032	1.59	0.00 - 0.50
5B-00202	20437	Cd-113m	7.4 U	33	9.8	3030	0.00 - 0.50
5B-00202	20437	Cm-243/244	-0.004 U	0.01	0.0021	0.0443	0.00 - 0.50
5B-00202	20437	Cm-245/246	-8E-04 U J	0.0061	0.0009	0.0401	0.00 - 0.50
5B-00202	20437	Cm-247/248	0 U	0.0075	0.0017	0.0306	0.00 - 0.50
5B-00202	20437	Co-60	-0.008 U	0.014	0.0042	0.028	0.00 - 0.50
5B-00202	20437	Cs-134	0.003 U	0.044	0.011	0.0864	0.00 - 0.50
5B-00202	20437	Cs-137	0.0347	0.01	0.0052	0.207	0.00 - 0.50
5B-00202	20437	Eu-152	0.0016 U	0.03	0.0066	0.0566	0.00 - 0.50
5B-00202	20437	Eu-154	0.0061 U	0.079	0.0029	0.15	0.00 - 0.50
5B-00202	20437	Eu-155	0.087 SK	0.029	0.013	0.231	0.00 - 0.50
5B-00202	20437	Ho-166m	0.0027 U	0.019	0.0023	0.0432	0.00 - 0.50
5B-00202	20437	K-40	20.5	0.13	0.68	32.4	0.00 - 0.50
5B-00202	20437	Na-22	-0.008 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00202	20437	Nb-94	0.0056 SK	0.011	0.0032	0.0214	0.00 - 0.50
5B-00202	20437	Np-236	-0.004 U	0.026	0.0078	0.047	0.00 - 0.50
5B-00202	20437	Np-239	-0.035 U	0.073	0.022	0.139	0.00 - 0.50
5B-00202	20437	Pa-231	-0.15 U	0.49	0.15	0.936	0.00 - 0.50
5B-00202	20437	Pb-212	1.37	0.027	0.073	2.69	0.00 - 0.50
5B-00202	20437	Pb-214	0.936	0.022	0.035	1.7	0.00 - 0.50
5B-00202	20437	Pu-236	-5E-04 U	0.0047	0.0005	7.79	0.00 - 0.50
5B-00202	20437	Pu-238	0.0011 U	0.0047	0.0012	0.0415	0.00 - 0.50
5B-00202	20437	Pu-239/240	0.0032	0.0021	0.0016	0.0404	0.00 - 0.50
5B-00202	20437	Pu-244	0.0019	0.0047	0.0015	0.0313	0.00 - 0.50
5B-00202	20437	Sb-125	0.131 SK	0.023	0.01	0.354	0.00 - 0.50
5B-00202	20437	Sn-126	-0.001 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00202	20437	Sr-90	-0.002 U	0.043	0.012	0.485	0.00 - 0.50
5B-00202	20437	Te-125m	0.0304 SK	0.0053	0.0024	0.0838	0.00 - 0.50
5B-00202	20437	Th-228	1.14	0.02	0.061	3.98	0.00 - 0.50
5B-00202	20437	Th-229	0.0034	0.0079	0.0025	0.145	0.00 - 0.50
5B-00202	20437	Th-230	0.792	0.009	0.045	2.2	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00202	20437	Th-232	1.08	0.009	0.058	3.1	0.00 - 0.50
5B-00202	20437	Th-234	1.26 JR	0.13	0.075	3.19	0.00 - 0.50
5B-00202	20437	Tl-208	0.446	0.014	0.017	0.937	0.00 - 0.50
5B-00202	20437	Tm-171	0.33 U	3.2	0.97	72.4	0.00 - 0.50
5B-00202	20437	U-233/234	0.7	0.007	0.039	2.02	0.00 - 0.50
5B-00202	20437	U-235/236	0.0436	0.011	0.0079	0.151	0.00 - 0.50
5B-00202	20437	U-238	0.711	0.003	0.04	1.8	0.00 - 0.50
5B-00203	20438	Ac-227	0.009 U	0.12	0.021	0.217	3.00 - 5.00
5B-00203	20438	Ac-228	1.25	0.065	0.044	2.4	3.00 - 5.00
5B-00203	20438	Am-241	0.0032 U	0.01	0.003	0.0454	3.00 - 5.00
5B-00203	20438	Bi-212	1.03	0.097	0.064	2.15	3.00 - 5.00
5B-00203	20438	Bi-214	0.954	0.022	0.036	1.59	3.00 - 5.00
5B-00203	20438	Cd-113m	0.6 U	27	8.1	3030	3.00 - 5.00
5B-00203	20438	Cm-243/244	0.0021 U	0.014	0.0039	0.0443	3.00 - 5.00
5B-00203	20438	Cm-245/246	0.0039 J	0.0035	0.0022	0.0401	3.00 - 5.00
5B-00203	20438	Cm-247/248	0.0013 U	0.0093	0.0023	0.0306	3.00 - 5.00
5B-00203	20438	Co-60	0.001 U	0.016	0.0048	0.028	3.00 - 5.00
5B-00203	20438	Cs-134	0.0126 U	0.047	0.0035	0.0864	3.00 - 5.00
5B-00203	20438	Cs-137	0.001 U	0.014	0.0042	0.207	3.00 - 5.00
5B-00203	20438	Eu-152	0.0137 U	0.033	0.0088	0.0566	3.00 - 5.00
5B-00203	20438	Eu-154	0.012 U	0.082	0.015	0.15	3.00 - 5.00
5B-00203	20438	Eu-155	0.084 SK	0.032	0.014	0.231	3.00 - 5.00
5B-00203	20438	Ho-166m	0.0004 U	0.017	0.0015	0.0432	3.00 - 5.00
5B-00203	20438	K-40	21.2	0.14	0.7	32.4	3.00 - 5.00
5B-00203	20438	Na-22	0.005 U	0.02	0.006	0.037	3.00 - 5.00
5B-00203	20438	Nb-94	0.0056 U	0.012	0.0036	0.0214	3.00 - 5.00
5B-00203	20438	Np-236	0.0013 U	0.027	0.008	0.047	3.00 - 5.00
5B-00203	20438	Np-239	0.01 U	0.077	0.023	0.139	3.00 - 5.00
5B-00203	20438	Pa-231	0.1 U	0.52	0.16	0.936	3.00 - 5.00
5B-00203	20438	Pb-212	1.52	0.025	0.08	2.69	3.00 - 5.00
5B-00203	20438	Pb-214	1.09	0.024	0.041	1.7	3.00 - 5.00
5B-00203	20438	Pu-236	-2E-04 U	0.0055	0.001	7.79	3.00 - 5.00
5B-00203	20438	Pu-238	0.0023	0.002	0.0013	0.0415	3.00 - 5.00
5B-00203	20438	Pu-239/240	-9E-04 U	0.0055	0.0007	0.0404	3.00 - 5.00
5B-00203	20438	Pu-244	0.003	0.002	0.0015	0.0313	3.00 - 5.00
5B-00203	20438	Sb-125	0.143 SK	0.037	0.012	0.354	3.00 - 5.00
5B-00203	20438	Sn-126	-2E-04 U	0.013	0.004	0.0237	3.00 - 5.00
5B-00203	20438	Sr-90	-0.01 U	0.033	0.0091	0.485	3.00 - 5.00
5B-00203	20438	Te-125m	0.0329 SK	0.0084	0.0027	0.0838	3.00 - 5.00
5B-00203	20438	Th-228	1.26	0.018	0.063	3.98	3.00 - 5.00
5B-00203	20438	Th-229	0.0091	0.0096	0.004	0.145	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00203	20438	Th-230	0.95	0.007	0.05	2.2	3.00 - 5.00
5B-00203	20438	Th-232	1.21	0.005	0.061	3.1	3.00 - 5.00
5B-00203	20438	Th-234	1.69 R	0.14	0.092	3.19	3.00 - 5.00
5B-00203	20438	Tl-208	0.468	0.016	0.019	0.937	3.00 - 5.00
5B-00203	20438	Tm-171	0.04 U J	5.6	1.7	72.4	3.00 - 5.00
5B-00203	20438	U-233/234	0.824	0.012	0.045	2.02	3.00 - 5.00
5B-00203	20438	U-235/236	0.0511	0.0035	0.0084	0.151	3.00 - 5.00
5B-00203	20438	U-238	0.811	0.01	0.045	1.8	3.00 - 5.00
5B-00203	20439	Ac-227	0.04 U	0.15	0.054	0.217	0.00 - 0.50
5B-00203	20439	Ac-228	1.22	0.1	0.045	2.4	0.00 - 0.50
5B-00203	20439	Am-241	-0.003 U	0.013	0.0028	0.0454	0.00 - 0.50
5B-00203	20439	Bi-212	0.951	0.14	0.076	2.15	0.00 - 0.50
5B-00203	20439	Bi-214	0.926	0.027	0.033	1.59	0.00 - 0.50
5B-00203	20439	Cd-113m	-0.6 U	43	13	3030	0.00 - 0.50
5B-00203	20439	Cm-243/244	0.0019 U	0.0026	0.0014	0.0443	0.00 - 0.50
5B-00203	20439	Cm-245/246	0 U J	0.0025	0.001	0.0401	0.00 - 0.50
5B-00203	20439	Cm-247/248	0 U	0.0024	0.001	0.0306	0.00 - 0.50
5B-00203	20439	Co-60	-0.007 U	0.022	0.0066	0.028	0.00 - 0.50
5B-00203	20439	Cs-134	-0.02 U J	0.02	0.0061	0.0864	0.00 - 0.50
5B-00203	20439	Cs-137	0.0236	0.019	0.0074	0.207	0.00 - 0.50
5B-00203	20439	Eu-152	-1E-04 U	0.038	0.011	0.0566	0.00 - 0.50
5B-00203	20439	Eu-154	-0.042 U	0.12	0.035	0.15	0.00 - 0.50
5B-00203	20439	Eu-155	0.088 SK	0.033	0.013	0.231	0.00 - 0.50
5B-00203	20439	Ho-166m	0.0033 U	0.029	0.002	0.0432	0.00 - 0.50
5B-00203	20439	K-40	19.1	0.17	0.59	32.4	0.00 - 0.50
5B-00203	20439	Na-22	0.0026 U	0.027	0.0081	0.037	0.00 - 0.50
5B-00203	20439	Nb-94	0.0036 U	0.016	0.0049	0.0214	0.00 - 0.50
5B-00203	20439	Np-236	0.0033 U	0.031	0.0094	0.047	0.00 - 0.50
5B-00203	20439	Np-239	-0.011 U	0.092	0.028	0.139	0.00 - 0.50
5B-00203	20439	Pa-231	-0.009 U	0.64	0.19	0.936	0.00 - 0.50
5B-00203	20439	Pb-212	1.58	0.025	0.065	2.69	0.00 - 0.50
5B-00203	20439	Pb-214	1.01	0.032	0.036	1.7	0.00 - 0.50
5B-00203	20439	Pu-236	0.0003 U	0.005	0.001	7.79	0.00 - 0.50
5B-00203	20439	Pu-238	0 U	0.0023	0.0007	0.0415	0.00 - 0.50
5B-00203	20439	Pu-239/240	0 U	0.0023	0.0007	0.0404	0.00 - 0.50
5B-00203	20439	Pu-244	-5E-04 U	0.005	0.0006	0.0313	0.00 - 0.50
5B-00203	20439	Sb-125	0.146 SK	0.046	0.013	0.354	0.00 - 0.50
5B-00203	20439	Sn-126	-3E-04 U	0.02	0.0059	0.0237	0.00 - 0.50
5B-00203	20439	Sr-90	0.02 U	0.041	0.012	0.485	0.00 - 0.50
5B-00203	20439	Te-125m	0.0337 SK	0.011	0.003	0.0838	0.00 - 0.50
5B-00203	20439	Th-228	1.1	0.019	0.058	3.98	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00203	20439	Th-229	0.0034	0.0091	0.0028	0.145	0.00 - 0.50
5B-00203	20439	Th-230	0.763	0.013	0.043	2.2	0.00 - 0.50
5B-00203	20439	Th-232	0.997	0.003	0.053	3.1	0.00 - 0.50
5B-00203	20439	Th-234	0.487 R	0.17	0.055	3.19	0.00 - 0.50
5B-00203	20439	Tl-208	0.476	0.019	0.018	0.937	0.00 - 0.50
5B-00203	20439	Tm-171	3.3	6.1	1.9	72.4	0.00 - 0.50
5B-00203	20439	U-233/234	0.72	0.004	0.043	2.02	0.00 - 0.50
5B-00203	20439	U-235/236	0.0411	0.012	0.0088	0.151	0.00 - 0.50
5B-00203	20439	U-238	0.7	0.004	0.042	1.8	0.00 - 0.50
5B-00204	20440	Ac-227	0.032 U	0.11	0.033	0.217	3.00 - 5.00
5B-00204	20440	Ac-228	1.14	0.06	0.041	2.4	3.00 - 5.00
5B-00204	20440	Am-241	0.0033	0.003	0.0019	0.0454	3.00 - 5.00
5B-00204	20440	Bi-212	0.909	0.1	0.065	2.15	3.00 - 5.00
5B-00204	20440	Bi-214	0.81	0.02	0.031	1.59	3.00 - 5.00
5B-00204	20440	Cd-113m	2.3 U	32	9.5	3030	3.00 - 5.00
5B-00204	20440	Cm-243/244	0.0055	0.0081	0.0029	0.0443	3.00 - 5.00
5B-00204	20440	Cm-245/246	0.0021	0.0019	0.0012	0.0401	3.00 - 5.00
5B-00204	20440	Cm-247/248	0 U	0.0019	0.0008	0.0306	3.00 - 5.00
5B-00204	20440	Co-60	-0.004 U	0.014	0.0042	0.028	3.00 - 5.00
5B-00204	20440	Cs-134	0.0134 U	0.04	0.0034	0.0864	3.00 - 5.00
5B-00204	20440	Cs-137	0.011	0.0086	0.0038	0.207	3.00 - 5.00
5B-00204	20440	Eu-152	0.0161 J	0.029	0.0072	0.0566	3.00 - 5.00
5B-00204	20440	Eu-154	0.054	0.059	0.018	0.15	3.00 - 5.00
5B-00204	20440	Eu-155	0.077 SK	0.027	0.011	0.231	3.00 - 5.00
5B-00204	20440	Ho-166m	0.0053 U R	0.018	0.0058	0.0432	3.00 - 5.00
5B-00204	20440	K-40	18.1	0.12	0.6	32.4	3.00 - 5.00
5B-00204	20440	Na-22	0.0007 U	0.014	0.004	0.037	3.00 - 5.00
5B-00204	20440	Nb-94	0.0043 U	0.01	0.0031	0.0214	3.00 - 5.00
5B-00204	20440	Np-236	-0.002 U	0.025	0.0075	0.047	3.00 - 5.00
5B-00204	20440	Np-239	0.025 U	0.052	0.02	0.139	3.00 - 5.00
5B-00204	20440	Pa-231	0.11 U	0.46	0.14	0.936	3.00 - 5.00
5B-00204	20440	Pb-212	1.33	0.025	0.071	2.69	3.00 - 5.00
5B-00204	20440	Pb-214	0.895	0.021	0.034	1.7	3.00 - 5.00
5B-00204	20440	Pu-236	-4E-04 U	0.0043	0.0005	7.79	3.00 - 5.00
5B-00204	20440	Pu-238	0.0029	0.002	0.0015	0.0415	3.00 - 5.00
5B-00204	20440	Pu-239/240	0.0015	0.002	0.001	0.0404	3.00 - 5.00
5B-00204	20440	Pu-244	0.0017	0.0043	0.0014	0.0313	3.00 - 5.00
5B-00204	20440	Sb-125	0.0958 SK	0.031	0.0068	0.354	3.00 - 5.00
5B-00204	20440	Sn-126	0.0037 U	0.011	0.0035	0.0237	3.00 - 5.00
5B-00204	20440	Sr-90	-0.006 U	0.04	0.011	0.485	3.00 - 5.00
5B-00204	20440	Te-125m	0.0221 SK	0.0072	0.0016	0.0838	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00204	20440	Th-228	1.21	0.023	0.064	3.98	3.00 - 5.00
5B-00204	20440	Th-229	0.0038 U	0.014	0.004	0.145	3.00 - 5.00
5B-00204	20440	Th-230	0.935	0.011	0.052	2.2	3.00 - 5.00
5B-00204	20440	Th-232	1.1	0.009	0.059	3.1	3.00 - 5.00
5B-00204	20440	Th-234	1.41 R	0.12	0.079	3.19	3.00 - 5.00
5B-00204	20440	Tl-208	0.424	0.014	0.017	0.937	3.00 - 5.00
5B-00204	20440	Tm-171	-4.4 JU	4.2	1.3	72.4	3.00 - 5.00
5B-00204	20440	U-233/234	0.628	0.01	0.037	2.02	3.00 - 5.00
5B-00204	20440	U-235/236	0.028	0.0036	0.0062	0.151	3.00 - 5.00
5B-00204	20440	U-238	0.674	0.003	0.039	1.8	3.00 - 5.00
5B-00204	20441	Ac-227	0.057	0.095	0.018	0.217	0.00 - 0.50
5B-00204	20441	Ac-228	1.16	0.07	0.042	2.4	0.00 - 0.50
5B-00204	20441	Am-241	0.003	0.0027	0.0018	0.0454	0.00 - 0.50
5B-00204	20441	Bi-212	1.04	0.1	0.069	2.15	0.00 - 0.50
5B-00204	20441	Bi-214	0.826	0.023	0.032	1.59	0.00 - 0.50
5B-00204	20441	Cd-113m	6 U	34	10	3030	0.00 - 0.50
5B-00204	20441	Cm-243/244	0 U	0.017	0.0047	0.0443	0.00 - 0.50
5B-00204	20441	Cm-245/246	0 U J	0.0059	0.0012	0.0401	0.00 - 0.50
5B-00204	20441	Cm-247/248	-0.002 U	0.0073	0.0012	0.0306	0.00 - 0.50
5B-00204	20441	Co-60	0.0021 U	0.014	0.0026	0.028	0.00 - 0.50
5B-00204	20441	Cs-134	0.0131 U	0.035	0.0049	0.0864	0.00 - 0.50
5B-00204	20441	Cs-137	0.17	0.011	0.0086	0.207	0.00 - 0.50
5B-00204	20441	Eu-152	0.0068 U	0.029	0.0081	0.0566	0.00 - 0.50
5B-00204	20441	Eu-154	-0.031 U	0.077	0.023	0.15	0.00 - 0.50
5B-00204	20441	Eu-155	0.067 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00204	20441	Ho-166m	0.0097 SK	0.019	0.0094	0.0432	0.00 - 0.50
5B-00204	20441	K-40	20.4	0.15	0.68	32.4	0.00 - 0.50
5B-00204	20441	Na-22	0 U	0.018	0.0038	0.037	0.00 - 0.50
5B-00204	20441	Nb-94	0.0001 U	0.01	0.0031	0.0214	0.00 - 0.50
5B-00204	20441	Np-236	-0.003 U	0.027	0.008	0.047	0.00 - 0.50
5B-00204	20441	Np-239	0.015 U	0.06	0.018	0.139	0.00 - 0.50
5B-00204	20441	Pa-231	0.08 U	0.49	0.1	0.936	0.00 - 0.50
5B-00204	20441	Pb-212	1.54	0.021	0.081	2.69	0.00 - 0.50
5B-00204	20441	Pb-214	0.923	0.023	0.036	1.7	0.00 - 0.50
5B-00204	20441	Pu-236	0 U	0.0022	0.0007	7.79	0.00 - 0.50
5B-00204	20441	Pu-238	0.0016	0.0022	0.0012	0.0415	0.00 - 0.50
5B-00204	20441	Pu-239/240	0.002	0.0048	0.0015	0.0404	0.00 - 0.50
5B-00204	20441	Pu-244	0.0003 U	0.0048	0.001	0.0313	0.00 - 0.50
5B-00204	20441	Sb-125	0.124 SK	0.03	0.0088	0.354	0.00 - 0.50
5B-00204	20441	Sn-126	0.0026 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00204	20441	Sr-90	0.051	0.033	0.012	0.485	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00204	20441	Te-125m	0.0287 SK	0.0068	0.002	0.0838	0.00 - 0.50
5B-00204	20441	Th-228	1.16	0.017	0.062	3.98	0.00 - 0.50
5B-00204	20441	Th-229	0.0062	0.011	0.0037	0.145	0.00 - 0.50
5B-00204	20441	Th-230	0.853	0.003	0.049	2.2	0.00 - 0.50
5B-00204	20441	Th-232	1.12	0.012	0.06	3.1	0.00 - 0.50
5B-00204	20441	Th-234	1.44 R	0.13	0.082	3.19	0.00 - 0.50
5B-00204	20441	Tl-208	0.474	0.014	0.018	0.937	0.00 - 0.50
5B-00204	20441	Tm-171	-0.1 U	5.6	1.7	72.4	0.00 - 0.50
5B-00204	20441	U-233/234	0.608	0.004	0.038	2.02	0.00 - 0.50
5B-00204	20441	U-235/236	0.0244	0.012	0.0068	0.151	0.00 - 0.50
5B-00204	20441	U-238	0.649	0.004	0.04	1.8	0.00 - 0.50
5B-00205	20442	Ac-227	0.042 U	0.14	0.042	0.217	1.00 - 3.50
5B-00205	20442	Ac-228	1.17	0.079	0.04	2.4	1.00 - 3.50
5B-00205	20442	Am-241	0.0029 U	0.0091	0.0027	0.0454	1.00 - 3.50
5B-00205	20442	Bi-212	0.911	0.11	0.066	2.15	1.00 - 3.50
5B-00205	20442	Bi-214	0.741	0.024	0.027	1.59	1.00 - 3.50
5B-00205	20442	Cd-113m	6 U	38	12	3030	1.00 - 3.50
5B-00205	20442	Cm-243/244	0.0038	0.0026	0.0019	0.0443	1.00 - 3.50
5B-00205	20442	Cm-245/246	0.0023 U J	0.0031	0.0016	0.0401	1.00 - 3.50
5B-00205	20442	Cm-247/248	0.0011 U	0.0083	0.002	0.0306	1.00 - 3.50
5B-00205	20442	Co-60	0.0018 U	0.016	0.0046	0.028	1.00 - 3.50
5B-00205	20442	Cs-134	0.0069 U	0.045	0.0033	0.0864	1.00 - 3.50
5B-00205	20442	Cs-137	-0.006 U	0.016	0.0049	0.207	1.00 - 3.50
5B-00205	20442	Eu-152	0.014 U	0.035	0.015	0.0566	1.00 - 3.50
5B-00205	20442	Eu-154	-0.035 U	0.097	0.029	0.15	1.00 - 3.50
5B-00205	20442	Eu-155	0.068 SK	0.03	0.012	0.231	1.00 - 3.50
5B-00205	20442	Ho-166m	0.0049 U	0.024	0.0061	0.0432	1.00 - 3.50
5B-00205	20442	K-40	19	0.12	0.58	32.4	1.00 - 3.50
5B-00205	20442	Na-22	0.001 U	0.023	0.0067	0.037	1.00 - 3.50
5B-00205	20442	Nb-94	0.007 SK	0.013	0.004	0.0214	1.00 - 3.50
5B-00205	20442	Np-236	-0.005 U	0.028	0.0085	0.047	1.00 - 3.50
5B-00205	20442	Np-239	-0.001 U	0.077	0.023	0.139	1.00 - 3.50
5B-00205	20442	Pa-231	0.077 U	0.39	0.098	0.936	1.00 - 3.50
5B-00205	20442	Pb-212	1.51	0.021	0.061	2.69	1.00 - 3.50
5B-00205	20442	Pb-214	0.818	0.024	0.029	1.7	1.00 - 3.50
5B-00205	20442	Pu-236	0.0003 U	0.0051	0.001	7.79	1.00 - 3.50
5B-00205	20442	Pu-238	0.0009 U	0.0023	0.0009	0.0415	1.00 - 3.50
5B-00205	20442	Pu-239/240	0.0009 U	0.0023	0.0009	0.0404	1.00 - 3.50
5B-00205	20442	Pu-244	0.0034	0.0023	0.0017	0.0313	1.00 - 3.50
5B-00205	20442	Sb-125	0.163 SK	0.029	0.012	0.354	1.00 - 3.50
5B-00205	20442	Sn-126	0.005 U	0.015	0.0047	0.0237	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00205	20442	Sr-90	0.032	0.039	0.012	0.485	1.00 - 3.50
5B-00205	20442	Te-125m	0.0377 SK	0.0067	0.0028	0.0838	1.00 - 3.50
5B-00205	20442	Th-228	1.22	0.027	0.068	3.98	1.00 - 3.50
5B-00205	20442	Th-229	0.0028 U	0.01	0.0029	0.145	1.00 - 3.50
5B-00205	20442	Th-230	0.858	0.018	0.051	2.2	1.00 - 3.50
5B-00205	20442	Th-232	1.12	0.004	0.062	3.1	1.00 - 3.50
5B-00205	20442	Th-234	1.49 JR	0.14	0.081	3.19	1.00 - 3.50
5B-00205	20442	Tl-208	0.466	0.017	0.018	0.937	1.00 - 3.50
5B-00205	20442	Tm-171	-2.3 U	5.5	1.7	72.4	1.00 - 3.50
5B-00205	20442	U-233/234	0.876	0.003	0.047	2.02	1.00 - 3.50
5B-00205	20442	U-235/236	0.0433	0.011	0.008	0.151	1.00 - 3.50
5B-00205	20442	U-238	0.818	0.003	0.045	1.8	1.00 - 3.50
5B-00205	20443	Ac-227	0.055 U	0.12	0.019	0.217	0.00 - 0.50
5B-00205	20443	Ac-228	1.11	0.1	0.043	2.4	0.00 - 0.50
5B-00205	20443	Am-241	0.0017 U	0.0061	0.0017	0.0454	0.00 - 0.50
5B-00205	20443	Bi-212	0.946	0.15	0.087	2.15	0.00 - 0.50
5B-00205	20443	Bi-214	0.87	0.028	0.032	1.59	0.00 - 0.50
5B-00205	20443	Cd-113m	4 U	42	13	3030	0.00 - 0.50
5B-00205	20443	Cm-243/244	-8E-04 U	0.0076	0.0015	0.0443	0.00 - 0.50
5B-00205	20443	Cm-245/246	0.0009 U J	0.0025	0.0009	0.0401	0.00 - 0.50
5B-00205	20443	Cm-247/248	0 U	0.0025	0.001	0.0306	0.00 - 0.50
5B-00205	20443	Co-60	-0.002 U	0.018	0.0052	0.028	0.00 - 0.50
5B-00205	20443	Cs-134	0.0045 U	0.035	0.0081	0.0864	0.00 - 0.50
5B-00205	20443	Cs-137	0.0183	0.019	0.0075	0.207	0.00 - 0.50
5B-00205	20443	Eu-152	0.002 U	0.04	0.014	0.0566	0.00 - 0.50
5B-00205	20443	Eu-154	-0.006 U	0.11	0.006	0.15	0.00 - 0.50
5B-00205	20443	Eu-155	0.063 SK	0.035	0.014	0.231	0.00 - 0.50
5B-00205	20443	Ho-166m	-4E-04 U	0.027	0.0005	0.0432	0.00 - 0.50
5B-00205	20443	K-40	20.8	0.15	0.64	32.4	0.00 - 0.50
5B-00205	20443	Na-22	0.0007 U	0.028	0.0084	0.037	0.00 - 0.50
5B-00205	20443	Nb-94	0.0049 U	0.016	0.0047	0.0214	0.00 - 0.50
5B-00205	20443	Np-236	0.0005 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00205	20443	Np-239	-0.003 U	0.09	0.027	0.139	0.00 - 0.50
5B-00205	20443	Pa-231	0.17 U	0.46	0.1	0.936	0.00 - 0.50
5B-00205	20443	Pb-212	1.44	0.025	0.059	2.69	0.00 - 0.50
5B-00205	20443	Pb-214	0.967	0.027	0.033	1.7	0.00 - 0.50
5B-00205	20443	Pu-236	0 U	0.002	0.0006	7.79	0.00 - 0.50
5B-00205	20443	Pu-238	0.0007 U	0.0019	0.0007	0.0415	0.00 - 0.50
5B-00205	20443	Pu-239/240	0.0029	0.002	0.0014	0.0404	0.00 - 0.50
5B-00205	20443	Pu-244	0.0022	0.0019	0.0012	0.0313	0.00 - 0.50
5B-00205	20443	Sb-125	0.108 SK	0.046	0.01	0.354	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00205	20443	Sn-126	-1E-04 U	0.017	0.0051	0.0237	0.00 - 0.50
5B-00205	20443	Sr-90	0.009 U	0.043	0.013	0.485	0.00 - 0.50
5B-00205	20443	Te-125m	0.025 SK	0.011	0.0023	0.0838	0.00 - 0.50
5B-00205	20443	Th-228	1.17	0.018	0.061	3.98	0.00 - 0.50
5B-00205	20443	Th-229	0.0027	0.0024	0.0015	0.145	0.00 - 0.50
5B-00205	20443	Th-230	0.881	0.003	0.049	2.2	0.00 - 0.50
5B-00205	20443	Th-232	1.1	0.008	0.058	3.1	0.00 - 0.50
5B-00205	20443	Th-234	0.592 JR	0.16	0.054	3.19	0.00 - 0.50
5B-00205	20443	Tl-208	0.435	0.018	0.017	0.937	0.00 - 0.50
5B-00205	20443	Tm-171	-0.2 U	6	1.8	72.4	0.00 - 0.50
5B-00205	20443	U-233/234	0.788	0.006	0.042	2.02	0.00 - 0.50
5B-00205	20443	U-235/236	0.0211	0.0078	0.0051	0.151	0.00 - 0.50
5B-00205	20443	U-238	0.72	0.002	0.039	1.8	0.00 - 0.50
5B-00206	20444	Ac-227	0.098	0.099	0.036	0.217	1.00 - 2.50
5B-00206	20444	Ac-228	1.08	0.084	0.039	2.4	1.00 - 2.50
5B-00206	20444	Am-241	0 U	0.0014	0.0006	0.0454	1.00 - 2.50
5B-00206	20444	Bi-212	0.871	0.15	0.086	2.15	1.00 - 2.50
5B-00206	20444	Bi-214	0.759	0.025	0.028	1.59	1.00 - 2.50
5B-00206	20444	Cd-113m	2 U	41	12	3030	1.00 - 2.50
5B-00206	20444	Cm-243/244	0.0005 U J	0.0013	0.0005	0.0443	1.00 - 2.50
5B-00206	20444	Cm-245/246	0.0023 J	0.0021	0.0013	0.0401	1.00 - 2.50
5B-00206	20444	Cm-247/248	0 U J	0.002	0.0008	0.0306	1.00 - 2.50
5B-00206	20444	Co-60	-2E-04 U	0.016	0.0007	0.028	1.00 - 2.50
5B-00206	20444	Cs-134	-0.018 R U J	0.017	0.0054	0.0864	1.00 - 2.50
5B-00206	20444	Cs-137	0.0044 U	0.018	0.0061	0.207	1.00 - 2.50
5B-00206	20444	Eu-152	-0.006 U	0.038	0.011	0.0566	1.00 - 2.50
5B-00206	20444	Eu-154	-0.024 U	0.097	0.029	0.15	1.00 - 2.50
5B-00206	20444	Eu-155	0.059 SK	0.03	0.011	0.231	1.00 - 2.50
5B-00206	20444	Ho-166m	0.0018 U	0.026	0.0073	0.0432	1.00 - 2.50
5B-00206	20444	K-40	19.5	0.12	0.6	32.4	1.00 - 2.50
5B-00206	20444	Na-22	-2E-04 U	0.023	0.0068	0.037	1.00 - 2.50
5B-00206	20444	Nb-94	0.0044 U	0.016	0.0047	0.0214	1.00 - 2.50
5B-00206	20444	Np-236	0.003 U	0.027	0.0082	0.047	1.00 - 2.50
5B-00206	20444	Np-239	-0.034 U	0.074	0.022	0.139	1.00 - 2.50
5B-00206	20444	Pa-231	0.39 J	0.5	0.2	0.936	1.00 - 2.50
5B-00206	20444	Pb-212	1.37	0.022	0.056	2.69	1.00 - 2.50
5B-00206	20444	Pb-214	0.814	0.028	0.027	1.7	1.00 - 2.50
5B-00206	20444	Pu-236	0 U	0.0018	0.0006	7.79	1.00 - 2.50
5B-00206	20444	Pu-238	-4E-04 U	0.004	0.0005	0.0415	1.00 - 2.50
5B-00206	20444	Pu-239/240	-4E-04 U	0.004	0.0005	0.0404	1.00 - 2.50
5B-00206	20444	Pu-244	0.0027	0.0018	0.0014	0.0313	1.00 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00206	20444	Sb-125	0.126 SK	0.044	0.012	0.354	1.00 - 2.50
5B-00206	20444	Sn-126	0.0015 U	0.015	0.0044	0.0237	1.00 - 2.50
5B-00206	20444	Sr-90	0.01 U	0.041	0.012	0.485	1.00 - 2.50
5B-00206	20444	Te-125m	0.029 SK	0.01	0.0027	0.0838	1.00 - 2.50
5B-00206	20444	Th-228	1.09	0.016	0.058	3.98	1.00 - 2.50
5B-00206	20444	Th-229	0.0018 U	0.013	0.0033	0.145	1.00 - 2.50
5B-00206	20444	Th-230	0.786	0.003	0.045	2.2	1.00 - 2.50
5B-00206	20444	Th-232	1.08	0.012	0.057	3.1	1.00 - 2.50
5B-00206	20444	Th-234	1.27 R	0.14	0.072	3.19	1.00 - 2.50
5B-00206	20444	Tl-208	0.429	0.017	0.017	0.937	1.00 - 2.50
5B-00206	20444	Tm-171	-0.6 U J	5.6	1.7	72.4	1.00 - 2.50
5B-00206	20444	U-233/234	0.732 J	0.01	0.044	2.02	1.00 - 2.50
5B-00206	20444	U-235/236	0.0499 J	0.012	0.0096	0.151	1.00 - 2.50
5B-00206	20444	U-238	0.717 J	0.004	0.043	1.8	1.00 - 2.50
5B-00206	20445	Ac-227	0.023 U	0.11	0.017	0.217	0.00 - 0.50
5B-00206	20445	Ac-228	1.12	0.098	0.05	2.4	0.00 - 0.50
5B-00206	20445	Am-241	0.0022	0.002	0.0013	0.0454	0.00 - 0.50
5B-00206	20445	Bi-212	0.955	0.12	0.07	2.15	0.00 - 0.50
5B-00206	20445	Bi-214	0.841	0.026	0.033	1.59	0.00 - 0.50
5B-00206	20445	Cd-113m	-5 U	38	11	3030	0.00 - 0.50
5B-00206	20445	Cm-243/244	0.0007 U	0.002	0.0007	0.0443	0.00 - 0.50
5B-00206	20445	Cm-245/246	0 U J	0.002	0.0008	0.0401	0.00 - 0.50
5B-00206	20445	Cm-247/248	0 U	0.002	0.0008	0.0306	0.00 - 0.50
5B-00206	20445	Co-60	0.0005 U	0.017	0.0051	0.028	0.00 - 0.50
5B-00206	20445	Cs-134	0.013 U J	0.05	0.0053	0.0864	0.00 - 0.50
5B-00206	20445	Cs-137	0.0227	0.011	0.0053	0.207	0.00 - 0.50
5B-00206	20445	Eu-152	0.0134 U	0.035	0.0055	0.0566	0.00 - 0.50
5B-00206	20445	Eu-154	0.021 U	0.093	0.028	0.15	0.00 - 0.50
5B-00206	20445	Eu-155	0.096 SK	0.035	0.015	0.231	0.00 - 0.50
5B-00206	20445	Ho-166m	0.0187 SK	0.016	0.0054	0.0432	0.00 - 0.50
5B-00206	20445	K-40	23.4	0.15	0.78	32.4	0.00 - 0.50
5B-00206	20445	Na-22	-3E-04 U	0.023	0.007	0.037	0.00 - 0.50
5B-00206	20445	Nb-94	0.0046 U	0.013	0.0039	0.0214	0.00 - 0.50
5B-00206	20445	Np-236	0.0029 U	0.027	0.0082	0.047	0.00 - 0.50
5B-00206	20445	Np-239	0.013 U	0.082	0.025	0.139	0.00 - 0.50
5B-00206	20445	Pa-231	0.128 U	0.56	0.083	0.936	0.00 - 0.50
5B-00206	20445	Pb-212	1.6	0.023	0.085	2.69	0.00 - 0.50
5B-00206	20445	Pb-214	0.978	0.026	0.037	1.7	0.00 - 0.50
5B-00206	20445	Pu-236	-6E-04 U	0.0063	0.0012	7.79	0.00 - 0.50
5B-00206	20445	Pu-238	0.0008 U	0.002	0.0008	0.0415	0.00 - 0.50
5B-00206	20445	Pu-239/240	0.0023	0.002	0.0013	0.0404	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00206	20445	Pu-244	0.0045	0.002	0.0019	0.0313	0.00 - 0.50
5B-00206	20445	Sb-125	0.1 SK	0.038	0.0086	0.354	0.00 - 0.50
5B-00206	20445	Sn-126	0.0009 U J	0.014	0.0041	0.0237	0.00 - 0.50
5B-00206	20445	Sr-90	0.006 U	0.061	0.018	0.485	0.00 - 0.50
5B-00206	20445	Te-125m	0.0231 SK	0.0089	0.002	0.0838	0.00 - 0.50
5B-00206	20445	Th-228	1.11	0.013	0.055	3.98	0.00 - 0.50
5B-00206	20445	Th-229	0.002 U	0.012	0.0034	0.145	0.00 - 0.50
5B-00206	20445	Th-230	0.878	0.002	0.045	2.2	0.00 - 0.50
5B-00206	20445	Th-232	1.11	0.009	0.055	3.1	0.00 - 0.50
5B-00206	20445	Th-234	1.43 R	0.14	0.086	3.19	0.00 - 0.50
5B-00206	20445	Tl-208	0.459	0.018	0.019	0.937	0.00 - 0.50
5B-00206	20445	Tm-171	-3.7 L U	5.8	1.8	72.4	0.00 - 0.50
5B-00206	20445	U-233/234	0.732	0.006	0.037	2.02	0.00 - 0.50
5B-00206	20445	U-235/236	0.033	0.0083	0.0055	0.151	0.00 - 0.50
5B-00206	20445	U-238	0.72	0.002	0.037	1.8	0.00 - 0.50
5B-00207	20446	Ac-227	0.081	0.088	0.017	0.217	1.00 - 3.50
5B-00207	20446	Ac-228	1.22	0.066	0.047	2.4	1.00 - 3.50
5B-00207	20446	Am-241	0.0013 U	0.0036	0.0013	0.0454	1.00 - 3.50
5B-00207	20446	Bi-212	1.07	0.11	0.076	2.15	1.00 - 3.50
5B-00207	20446	Bi-214	0.899	0.02	0.034	1.59	1.00 - 3.50
5B-00207	20446	Cd-113m	-4.4 U	26	7.8	3030	1.00 - 3.50
5B-00207	20446	Cm-243/244	0.0026 U J	0.0035	0.0018	0.0443	1.00 - 3.50
5B-00207	20446	Cm-245/246	-0.003 U J	0.012	0.002	0.0401	1.00 - 3.50
5B-00207	20446	Cm-247/248	0.0025 U J	0.0033	0.0017	0.0306	1.00 - 3.50
5B-00207	20446	Co-60	0 U	0.012	0.0001	0.028	1.00 - 3.50
5B-00207	20446	Cs-134	-0.026 R U J	0.016	0.005	0.0864	1.00 - 3.50
5B-00207	20446	Cs-137	0.0016 U	0.012	0.0035	0.207	1.00 - 3.50
5B-00207	20446	Eu-152	-0.006 U	0.029	0.0089	0.0566	1.00 - 3.50
5B-00207	20446	Eu-154	-0.027 U	0.07	0.021	0.15	1.00 - 3.50
5B-00207	20446	Eu-155	0.08 SK	0.027	0.011	0.231	1.00 - 3.50
5B-00207	20446	Ho-166m	0.0064 U	0.018	0.0066	0.0432	1.00 - 3.50
5B-00207	20446	K-40	18.9	0.12	0.63	32.4	1.00 - 3.50
5B-00207	20446	Na-22	0.0058 U	0.016	0.0048	0.037	1.00 - 3.50
5B-00207	20446	Nb-94	0.0005 U	0.01	0.002	0.0214	1.00 - 3.50
5B-00207	20446	Np-236	-0.002 U	0.026	0.0078	0.047	1.00 - 3.50
5B-00207	20446	Np-239	-0.014 U	0.074	0.022	0.139	1.00 - 3.50
5B-00207	20446	Pa-231	0.05 U J	0.46	0.14	0.936	1.00 - 3.50
5B-00207	20446	Pb-212	1.58	0.019	0.083	2.69	1.00 - 3.50
5B-00207	20446	Pb-214	0.998	0.021	0.037	1.7	1.00 - 3.50
5B-00207	20446	Pu-236	-5E-04 U	0.0053	0.0006	7.79	1.00 - 3.50
5B-00207	20446	Pu-238	0.0018	0.0024	0.0013	0.0415	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00207	20446	Pu-239/240	0.0009 U	0.0024	0.0009	0.0404	1.00 - 3.50
5B-00207	20446	Pu-244	0.0027	0.0024	0.0015	0.0313	1.00 - 3.50
5B-00207	20446	Sb-125	0.115 SK	0.029	0.0075	0.354	1.00 - 3.50
5B-00207	20446	Sn-126	0.0001 U	0.011	0.0033	0.0237	1.00 - 3.50
5B-00207	20446	Sr-90	0.047	0.048	0.015	0.485	1.00 - 3.50
5B-00207	20446	Te-125m	0.0265 SK	0.0067	0.0017	0.0838	1.00 - 3.50
5B-00207	20446	Th-228	1.22	0.01	0.065	3.98	1.00 - 3.50
5B-00207	20446	Th-229	0.0012 U	0.013	0.0034	0.145	1.00 - 3.50
5B-00207	20446	Th-230	0.834	0.004	0.048	2.2	1.00 - 3.50
5B-00207	20446	Th-232	1.25	0.004	0.067	3.1	1.00 - 3.50
5B-00207	20446	Th-234	1.5 R	0.13	0.082	3.19	1.00 - 3.50
5B-00207	20446	Tl-208	0.485	0.014	0.019	0.937	1.00 - 3.50
5B-00207	20446	Tm-171	-4.4 R U J	4.5	1.4	72.4	1.00 - 3.50
5B-00207	20446	U-233/234	0.955 J	0.024	0.058	2.02	1.00 - 3.50
5B-00207	20446	U-235/236	0.067 J	0.006	0.013	0.151	1.00 - 3.50
5B-00207	20446	U-238	0.992 J	0.013	0.059	1.8	1.00 - 3.50
5B-00207	20447	Ac-227	-0.016 U J	0.13	0.039	0.217	0.00 - 0.50
5B-00207	20447	Ac-228	1.31	0.068	0.046	2.4	0.00 - 0.50
5B-00207	20447	Am-241	0.0018 U	0.0025	0.0013	0.0454	0.00 - 0.50
5B-00207	20447	Bi-212	1.05	0.11	0.071	2.15	0.00 - 0.50
5B-00207	20447	Bi-214	0.943	0.022	0.036	1.59	0.00 - 0.50
5B-00207	20447	Cd-113m	5 U	37	11	3030	0.00 - 0.50
5B-00207	20447	Cm-243/244	-9E-04 U	0.0067	0.001	0.0443	0.00 - 0.50
5B-00207	20447	Cm-245/246	0.0047 J	0.0087	0.003	0.0401	0.00 - 0.50
5B-00207	20447	Cm-247/248	0.0035	0.0031	0.002	0.0306	0.00 - 0.50
5B-00207	20447	Co-60	-0.002 U	0.017	0.0051	0.028	0.00 - 0.50
5B-00207	20447	Cs-134	0.0114 U	0.05	0.0038	0.0864	0.00 - 0.50
5B-00207	20447	Cs-137	0.0731	0.0097	0.0054	0.207	0.00 - 0.50
5B-00207	20447	Eu-152	0.012 U	0.035	0.0067	0.0566	0.00 - 0.50
5B-00207	20447	Eu-154	-0.034 U	0.09	0.027	0.15	0.00 - 0.50
5B-00207	20447	Eu-155	0.091 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00207	20447	Ho-166m	0.0058 U	0.021	0.0034	0.0432	0.00 - 0.50
5B-00207	20447	K-40	21.6	0.13	0.72	32.4	0.00 - 0.50
5B-00207	20447	Na-22	-0.003 U	0.021	0.0064	0.037	0.00 - 0.50
5B-00207	20447	Nb-94	0.0064 SK	0.012	0.0037	0.0214	0.00 - 0.50
5B-00207	20447	Np-236	0.0077 U	0.023	0.0071	0.047	0.00 - 0.50
5B-00207	20447	Np-239	0.002 U	0.081	0.024	0.139	0.00 - 0.50
5B-00207	20447	Pa-231	0.1 U	0.51	0.15	0.936	0.00 - 0.50
5B-00207	20447	Pb-212	1.57	0.031	0.084	2.69	0.00 - 0.50
5B-00207	20447	Pb-214	1.03	0.023	0.038	1.7	0.00 - 0.50
5B-00207	20447	Pu-236	0.0007 U	0.0063	0.0015	7.79	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00207	20447	Pu-238	0.0021	0.0052	0.0016	0.0415	0.00 - 0.50
5B-00207	20447	Pu-239/240	0.003	0.0052	0.0018	0.0404	0.00 - 0.50
5B-00207	20447	Pu-244	0.0017 U	0.0024	0.0012	0.0313	0.00 - 0.50
5B-00207	20447	Sb-125	0.127 SK	0.031	0.0095	0.354	0.00 - 0.50
5B-00207	20447	Sn-126	0.0018 U	0.013	0.004	0.0237	0.00 - 0.50
5B-00207	20447	Sr-90	0.036	0.042	0.013	0.485	0.00 - 0.50
5B-00207	20447	Te-125m	0.0292 SK	0.0072	0.0022	0.0838	0.00 - 0.50
5B-00207	20447	Th-228	1.13	0.026	0.062	3.98	0.00 - 0.50
5B-00207	20447	Th-229	0.0125	0.0071	0.0038	0.145	0.00 - 0.50
5B-00207	20447	Th-230	0.88	0.012	0.05	2.2	0.00 - 0.50
5B-00207	20447	Th-232	1.08	0.01	0.059	3.1	0.00 - 0.50
5B-00207	20447	Th-234	1.69 R	0.14	0.093	3.19	0.00 - 0.50
5B-00207	20447	Tl-208	0.5	0.016	0.02	0.937	0.00 - 0.50
5B-00207	20447	Tm-171	-2.6 U	5.7	1.7	72.4	0.00 - 0.50
5B-00207	20447	U-233/234	0.885	0.003	0.049	2.02	0.00 - 0.50
5B-00207	20447	U-235/236	0.0293	0.004	0.0067	0.151	0.00 - 0.50
5B-00207	20447	U-238	0.863	0.003	0.048	1.8	0.00 - 0.50
5B-00208	20448	Ac-227	0.061	0.12	0.017	0.217	1.00 - 2.00
5B-00208	20448	Ac-228	1.18	0.068	0.041	2.4	1.00 - 2.00
5B-00208	20448	Am-241	0.0065	0.0035	0.0029	0.0454	1.00 - 2.00
5B-00208	20448	Bi-212	0.955	0.1	0.065	2.15	1.00 - 2.00
5B-00208	20448	Bi-214	0.88	0.023	0.034	1.59	1.00 - 2.00
5B-00208	20448	Cd-113m	0 U	34	8	3030	1.00 - 2.00
5B-00208	20448	Cm-243/244	-0.001 U J	0.012	0.0024	0.0443	1.00 - 2.00
5B-00208	20448	Cm-245/246	0.0017 U J	0.0023	0.0012	0.0401	1.00 - 2.00
5B-00208	20448	Cm-247/248	0.0025 J	0.0061	0.0019	0.0306	1.00 - 2.00
5B-00208	20448	Co-60	0.0028 U	0.015	0.0028	0.028	1.00 - 2.00
5B-00208	20448	Cs-134	0.0079 U	0.045	0.0024	0.0864	1.00 - 2.00
5B-00208	20448	Cs-137	0.0005 U	0.015	0.0045	0.207	1.00 - 2.00
5B-00208	20448	Eu-152	0.0053 U	0.022	0.0067	0.0566	1.00 - 2.00
5B-00208	20448	Eu-154	-0.005 U	0.085	0.025	0.15	1.00 - 2.00
5B-00208	20448	Eu-155	0.072 SK	0.031	0.013	0.231	1.00 - 2.00
5B-00208	20448	Ho-166m	0.0041 U	0.02	0.0022	0.0432	1.00 - 2.00
5B-00208	20448	K-40	21.4	0.14	0.71	32.4	1.00 - 2.00
5B-00208	20448	Na-22	-0.004 U	0.019	0.0057	0.037	1.00 - 2.00
5B-00208	20448	Nb-94	0.002 U	0.011	0.0034	0.0214	1.00 - 2.00
5B-00208	20448	Np-236	-0.006 U	0.027	0.0082	0.047	1.00 - 2.00
5B-00208	20448	Np-239	0.014 U	0.076	0.023	0.139	1.00 - 2.00
5B-00208	20448	Pa-231	-0.12 U J	0.5	0.15	0.936	1.00 - 2.00
5B-00208	20448	Pb-212	1.47	0.02	0.078	2.69	1.00 - 2.00
5B-00208	20448	Pb-214	0.981	0.022	0.037	1.7	1.00 - 2.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00208	20448	Pu-236	0 U	0.002	0.0006	7.79	1.00 - 2.00
5B-00208	20448	Pu-238	-1E-04 U	0.0053	0.001	0.0415	1.00 - 2.00
5B-00208	20448	Pu-239/240	0 U	0.002	0.0006	0.0404	1.00 - 2.00
5B-00208	20448	Pu-244	0.0003 U	0.0043	0.0009	0.0313	1.00 - 2.00
5B-00208	20448	Sb-125	0.095 SK	0.03	0.0068	0.354	1.00 - 2.00
5B-00208	20448	Sn-126	0.0129	0.011	0.0051	0.0237	1.00 - 2.00
5B-00208	20448	Sr-90	-0.011 U	0.059	0.017	0.485	1.00 - 2.00
5B-00208	20448	Te-125m	0.022 SK	0.007	0.0016	0.0838	1.00 - 2.00
5B-00208	20448	Th-228	1.1	0.014	0.057	3.98	1.00 - 2.00
5B-00208	20448	Th-229	0.0048	0.01	0.0033	0.145	1.00 - 2.00
5B-00208	20448	Th-230	0.865	0.007	0.047	2.2	1.00 - 2.00
5B-00208	20448	Th-232	1.12	0.003	0.058	3.1	1.00 - 2.00
5B-00208	20448	Th-234	1.51 R	0.13	0.086	3.19	1.00 - 2.00
5B-00208	20448	Tl-208	0.429	0.016	0.018	0.937	1.00 - 2.00
5B-00208	20448	Tm-171	0.3 U J	5.3	1.6	72.4	1.00 - 2.00
5B-00208	20448	U-233/234	0.844	0.005	0.042	2.02	1.00 - 2.00
5B-00208	20448	U-235/236	0.0556	0.0058	0.0071	0.151	1.00 - 2.00
5B-00208	20448	U-238	0.854	0.006	0.043	1.8	1.00 - 2.00
5B-00208	20449	Ac-227	0.036 U J	0.12	0.039	0.217	0.00 - 0.50
5B-00208	20449	Ac-228	1.24	0.062	0.042	2.4	0.00 - 0.50
5B-00208	20449	Am-241	0.001 U	0.0027	0.001	0.0454	0.00 - 0.50
5B-00208	20449	Bi-212	0.985	0.1	0.063	2.15	0.00 - 0.50
5B-00208	20449	Bi-214	0.832	0.024	0.032	1.59	0.00 - 0.50
5B-00208	20449	Cd-113m	6 U	35	10	3030	0.00 - 0.50
5B-00208	20449	Cm-243/244	0 U	0.0026	0.0011	0.0443	0.00 - 0.50
5B-00208	20449	Cm-245/246	0.0011 U J	0.0081	0.002	0.0401	0.00 - 0.50
5B-00208	20449	Cm-247/248	0.0075	0.0079	0.0033	0.0306	0.00 - 0.50
5B-00208	20449	Co-60	-0.001 U	0.014	0.0043	0.028	0.00 - 0.50
5B-00208	20449	Cs-134	0.0104 U	0.035	0.0027	0.0864	0.00 - 0.50
5B-00208	20449	Cs-137	0.0589	0.0096	0.0049	0.207	0.00 - 0.50
5B-00208	20449	Eu-152	-0.016 U	0.03	0.0093	0.0566	0.00 - 0.50
5B-00208	20449	Eu-154	0.007 U	0.08	0.024	0.15	0.00 - 0.50
5B-00208	20449	Eu-155	0.087 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00208	20449	Ho-166m	-0.007 U	0.018	0.0056	0.0432	0.00 - 0.50
5B-00208	20449	K-40	20.9	0.14	0.69	32.4	0.00 - 0.50
5B-00208	20449	Na-22	0.0003 U	0.017	0.0052	0.037	0.00 - 0.50
5B-00208	20449	Nb-94	0.0126 SK	0.0081	0.0035	0.0214	0.00 - 0.50
5B-00208	20449	Np-236	0.0006 U	0.025	0.0075	0.047	0.00 - 0.50
5B-00208	20449	Np-239	0.0004 U	0.078	0.023	0.139	0.00 - 0.50
5B-00208	20449	Pa-231	0.002 U	0.5	0.15	0.936	0.00 - 0.50
5B-00208	20449	Pb-212	1.62	0.022	0.085	2.69	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00208	20449	Pb-214	0.951	0.023	0.036	1.7	0.00 - 0.50
5B-00208	20449	Pu-236	0.0003 U	0.0052	0.001	7.79	0.00 - 0.50
5B-00208	20449	Pu-238	0.0007 U	0.0063	0.0015	0.0415	0.00 - 0.50
5B-00208	20449	Pu-239/240	0.003	0.0051	0.0018	0.0404	0.00 - 0.50
5B-00208	20449	Pu-244	0 U	0.0023	0.0008	0.0313	0.00 - 0.50
5B-00208	20449	Sb-125	0.115 SK	0.035	0.0081	0.354	0.00 - 0.50
5B-00208	20449	Sn-126	0.0001 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00208	20449	Sr-90	0.011 U	0.042	0.012	0.485	0.00 - 0.50
5B-00208	20449	Te-125m	0.0265 SK	0.0081	0.0019	0.0838	0.00 - 0.50
5B-00208	20449	Th-228	1.1	0.023	0.061	3.98	0.00 - 0.50
5B-00208	20449	Th-229	0.0045	0.0095	0.003	0.145	0.00 - 0.50
5B-00208	20449	Th-230	0.841	0.015	0.049	2.2	0.00 - 0.50
5B-00208	20449	Th-232	1.08	0.01	0.06	3.1	0.00 - 0.50
5B-00208	20449	Th-234	1.59 R	0.13	0.088	3.19	0.00 - 0.50
5B-00208	20449	Tl-208	0.495	0.015	0.019	0.937	0.00 - 0.50
5B-00208	20449	Tm-171	-4.7 R U	4.8	1.5	72.4	0.00 - 0.50
5B-00208	20449	U-233/234	0.798	0.008	0.045	2.02	0.00 - 0.50
5B-00208	20449	U-235/236	0.047	0.0036	0.0082	0.151	0.00 - 0.50
5B-00208	20449	U-238	0.893	0.003	0.049	1.8	0.00 - 0.50
5B-00209	20450	Ac-227	0.009 U	0.16	0.047	0.217	1.00 - 5.00
5B-00209	20450	Ac-228	1.39	0.084	0.049	2.4	1.00 - 5.00
5B-00209	20450	Am-241	0.0051	0.012	0.0038	0.0454	1.00 - 5.00
5B-00209	20450	Bi-212	1.09	0.13	0.08	2.15	1.00 - 5.00
5B-00209	20450	Bi-214	1.05	0.029	0.037	1.59	1.00 - 5.00
5B-00209	20450	Cd-113m	-2 U	47	14	3030	1.00 - 5.00
5B-00209	20450	Cm-243/244	0.008 J	0.011	0.0039	0.0443	1.00 - 5.00
5B-00209	20450	Cm-245/246	0.0029 J	0.0026	0.0017	0.0401	1.00 - 5.00
5B-00209	20450	Cm-247/248	0 U J	0.007	0.0014	0.0306	1.00 - 5.00
5B-00209	20450	Co-60	0.0035 U	0.018	0.0054	0.028	1.00 - 5.00
5B-00209	20450	Cs-134	0.005 U	0.07	0.015	0.0864	1.00 - 5.00
5B-00209	20450	Cs-137	0.0274	0.014	0.0069	0.207	1.00 - 5.00
5B-00209	20450	Eu-152	0.0027 U	0.045	0.0023	0.0566	1.00 - 5.00
5B-00209	20450	Eu-154	0.019 U	0.11	0.019	0.15	1.00 - 5.00
5B-00209	20450	Eu-155	0.1 SK	0.052	0.022	0.231	1.00 - 5.00
5B-00209	20450	Ho-166m	0.0017 U	0.025	0.0076	0.0432	1.00 - 5.00
5B-00209	20450	K-40	20.4	0.13	0.62	32.4	1.00 - 5.00
5B-00209	20450	Na-22	0.0027 U	0.024	0.0072	0.037	1.00 - 5.00
5B-00209	20450	Nb-94	0.0063 U	0.015	0.0046	0.0214	1.00 - 5.00
5B-00209	20450	Np-236	0.0006 U	0.04	0.012	0.047	1.00 - 5.00
5B-00209	20450	Np-239	-0.017 U	0.1	0.03	0.139	1.00 - 5.00
5B-00209	20450	Pa-231	0.26 U J	0.69	0.13	0.936	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00209	20450	Pb-212	1.68	0.027	0.051	2.69	1.00 - 5.00
5B-00209	20450	Pb-214	1.13	0.033	0.049	1.7	1.00 - 5.00
5B-00209	20450	Pu-236	-5E-04 U	0.005	0.0006	7.79	1.00 - 5.00
5B-00209	20450	Pu-238	0.0037	0.005	0.002	0.0415	1.00 - 5.00
5B-00209	20450	Pu-239/240	0.0034	0.0023	0.0017	0.0404	1.00 - 5.00
5B-00209	20450	Pu-244	0.0037	0.005	0.002	0.0313	1.00 - 5.00
5B-00209	20450	Sb-125	0.017 U L,R	0.038	0.014	0.354	1.00 - 5.00
5B-00209	20450	Sn-126	-0.005 U	0.018	0.0053	0.0237	1.00 - 5.00
5B-00209	20450	Sr-90	-0.006 U	0.064	0.018	0.485	1.00 - 5.00
5B-00209	20450	Te-125m	0.0039 U L,R	0.0088	0.0033	0.0838	1.00 - 5.00
5B-00209	20450	Th-228	1.42	0.021	0.074	3.98	1.00 - 5.00
5B-00209	20450	Th-229	0.0057 U	0.018	0.0052	0.145	1.00 - 5.00
5B-00209	20450	Th-230	1.09	0.004	0.06	2.2	1.00 - 5.00
5B-00209	20450	Th-232	1.39	0.004	0.073	3.1	1.00 - 5.00
5B-00209	20450	Th-234	1.58 R	0.23	0.088	3.19	1.00 - 5.00
5B-00209	20450	Tl-208	0.546	0.021	0.021	0.937	1.00 - 5.00
5B-00209	20450	Tm-171	-14.7 R U J	10	3.2	72.4	1.00 - 5.00
5B-00209	20450	U-233/234	1.17 J	0.02	0.07	2.02	1.00 - 5.00
5B-00209	20450	U-235/236	0.068 J	0.019	0.014	0.151	1.00 - 5.00
5B-00209	20450	U-238	1.08 J	0.006	0.066	1.8	1.00 - 5.00
5B-00209	20451	Ac-227	0.03 U	0.097	0.015	0.217	0.00 - 0.50
5B-00209	20451	Ac-228	1.13	0.069	0.04	2.4	0.00 - 0.50
5B-00209	20451	Am-241	0.001 U	0.0076	0.0019	0.0454	0.00 - 0.50
5B-00209	20451	Bi-212	0.944	0.11	0.071	2.15	0.00 - 0.50
5B-00209	20451	Bi-214	0.874	0.023	0.033	1.59	0.00 - 0.50
5B-00209	20451	Cd-113m	11 U	34	10	3030	0.00 - 0.50
5B-00209	20451	Cm-243/244	-0.001 U	0.014	0.0036	0.0443	0.00 - 0.50
5B-00209	20451	Cm-245/246	0.0009 U J	0.0025	0.0009	0.0401	0.00 - 0.50
5B-00209	20451	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	0.00 - 0.50
5B-00209	20451	Co-60	0.0026 U	0.016	0.0028	0.028	0.00 - 0.50
5B-00209	20451	Cs-134	0.0159 U	0.047	0.004	0.0864	0.00 - 0.50
5B-00209	20451	Cs-137	0.0889	0.0096	0.0057	0.207	0.00 - 0.50
5B-00209	20451	Eu-152	-0.01 U	0.032	0.0098	0.0566	0.00 - 0.50
5B-00209	20451	Eu-154	0.0068 U	0.088	0.0059	0.15	0.00 - 0.50
5B-00209	20451	Eu-155	0.071 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00209	20451	Ho-166m	0.0055 U	0.02	0.0059	0.0432	0.00 - 0.50
5B-00209	20451	K-40	22.4	0.14	0.74	32.4	0.00 - 0.50
5B-00209	20451	Na-22	-0.009 U	0.021	0.0065	0.037	0.00 - 0.50
5B-00209	20451	Nb-94	0.006 SK	0.011	0.0035	0.0214	0.00 - 0.50
5B-00209	20451	Np-236	-0.006 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00209	20451	Np-239	-0.026 U	0.08	0.024	0.139	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00209	20451	Pa-231	-0.01 U	0.51	0.15	0.936	0.00 - 0.50
5B-00209	20451	Pb-212	1.4	0.025	0.074	2.69	0.00 - 0.50
5B-00209	20451	Pb-214	0.994	0.023	0.037	1.7	0.00 - 0.50
5B-00209	20451	Pu-236	0.0009 U	0.0025	0.0009	7.79	0.00 - 0.50
5B-00209	20451	Pu-238	0.0009 U	0.0025	0.0009	0.0415	0.00 - 0.50
5B-00209	20451	Pu-239/240	0.0055	0.0025	0.0023	0.0404	0.00 - 0.50
5B-00209	20451	Pu-244	0.0018 U	0.0025	0.0013	0.0313	0.00 - 0.50
5B-00209	20451	Sb-125	0.108 SK	0.035	0.0085	0.354	0.00 - 0.50
5B-00209	20451	Sn-126	-0.001 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00209	20451	Sr-90	0.0316	0.028	0.0092	0.485	0.00 - 0.50
5B-00209	20451	Te-125m	0.025 SK	0.008	0.002	0.0838	0.00 - 0.50
5B-00209	20451	Th-228	1.01	0.013	0.053	3.98	0.00 - 0.50
5B-00209	20451	Th-229	0.0082	0.013	0.0044	0.145	0.00 - 0.50
5B-00209	20451	Th-230	0.854	0.003	0.046	2.2	0.00 - 0.50
5B-00209	20451	Th-232	0.983	0.007	0.052	3.1	0.00 - 0.50
5B-00209	20451	Th-234	1.39 R	0.13	0.081	3.19	0.00 - 0.50
5B-00209	20451	Tl-208	0.453	0.016	0.018	0.937	0.00 - 0.50
5B-00209	20451	Tm-171	-4.9 U J	4.6	1.4	72.4	0.00 - 0.50
5B-00209	20451	U-233/234	0.822	0.004	0.048	2.02	0.00 - 0.50
5B-00209	20451	U-235/236	0.0445	0.0046	0.0089	0.151	0.00 - 0.50
5B-00209	20451	U-238	0.886	0.004	0.051	1.8	0.00 - 0.50
5B-00210	20452	Ac-227	0.07 U	0.16	0.05	0.217	1.00 - 5.00
5B-00210	20452	Ac-228	1.43	0.1	0.05	2.4	1.00 - 5.00
5B-00210	20452	Am-241	0.0006 U	0.0044	0.0011	0.0454	1.00 - 5.00
5B-00210	20452	Bi-212	1.18	0.14	0.085	2.15	1.00 - 5.00
5B-00210	20452	Bi-214	0.941	0.032	0.035	1.59	1.00 - 5.00
5B-00210	20452	Cd-113m	11 U	43	13	3030	1.00 - 5.00
5B-00210	20452	Cm-243/244	0 U	0.0043	0.0009	0.0443	1.00 - 5.00
5B-00210	20452	Cm-245/246	0.0021	0.0051	0.0016	0.0401	1.00 - 5.00
5B-00210	20452	Cm-247/248	0 U	0.005	0.001	0.0306	1.00 - 5.00
5B-00210	20452	Co-60	-1E-04 U	0.022	0.0066	0.028	1.00 - 5.00
5B-00210	20452	Cs-134	0.0063 U	0.018	0.0081	0.0864	1.00 - 5.00
5B-00210	20452	Cs-137	0.0153	0.02	0.0078	0.207	1.00 - 5.00
5B-00210	20452	Eu-152	-0.018 U	0.037	0.011	0.0566	1.00 - 5.00
5B-00210	20452	Eu-154	0.023 U	0.086	0.016	0.15	1.00 - 5.00
5B-00210	20452	Eu-155	0.049 SK	0.035	0.011	0.231	1.00 - 5.00
5B-00210	20452	Ho-166m	0.015 SK	0.023	0.0085	0.0432	1.00 - 5.00
5B-00210	20452	K-40	19.5	0.16	0.6	32.4	1.00 - 5.00
5B-00210	20452	Na-22	0.04 L	0.022	0.012	0.037	1.00 - 5.00
5B-00210	20452	Nb-94	0.0106 SK	0.017	0.0051	0.0214	1.00 - 5.00
5B-00210	20452	Np-236	-3E-04 U	0.032	0.0095	0.047	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00210	20452	Np-239	0.0005 U	0.1	0.03	0.139	1.00 - 5.00
5B-00210	20452	Pa-231	0.14 U J	0.64	0.19	0.936	1.00 - 5.00
5B-00210	20452	Pb-212	1.79	0.032	0.074	2.69	1.00 - 5.00
5B-00210	20452	Pb-214	1.02	0.026	0.035	1.7	1.00 - 5.00
5B-00210	20452	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 5.00
5B-00210	20452	Pu-238	0 U	0.0019	0.0006	0.0415	1.00 - 5.00
5B-00210	20452	Pu-239/240	0 U	0.0019	0.0006	0.0404	1.00 - 5.00
5B-00210	20452	Pu-244	0.0021	0.0019	0.0012	0.0313	1.00 - 5.00
5B-00210	20452	Sb-125	0.157 SK	0.049	0.012	0.354	1.00 - 5.00
5B-00210	20452	Sn-126	-8E-04 U	0.015	0.0045	0.0237	1.00 - 5.00
5B-00210	20452	Sr-90	0.019 U	0.04	0.012	0.485	1.00 - 5.00
5B-00210	20452	Te-125m	0.0362 SK	0.011	0.0029	0.0838	1.00 - 5.00
5B-00210	20452	Th-228	1.46	0.02	0.075	3.98	1.00 - 5.00
5B-00210	20452	Th-229	0.0001 U	0.012	0.003	0.145	1.00 - 5.00
5B-00210	20452	Th-230	0.953	0.015	0.053	2.2	1.00 - 5.00
5B-00210	20452	Th-232	1.33	0.009	0.069	3.1	1.00 - 5.00
5B-00210	20452	Th-234	0.662 R	0.18	0.06	3.19	1.00 - 5.00
5B-00210	20452	Tl-208	0.564	0.021	0.021	0.937	1.00 - 5.00
5B-00210	20452	Tm-171	-0.2 U J	6.5	2	72.4	1.00 - 5.00
5B-00210	20452	U-233/234	0.857 J	0.02	0.054	2.02	1.00 - 5.00
5B-00210	20452	U-235/236	0.049 J	0.017	0.011	0.151	1.00 - 5.00
5B-00210	20452	U-238	0.909 J	0.005	0.056	1.8	1.00 - 5.00
5B-00210	20453	Ac-227	0.029 U J	0.12	0.036	0.217	0.00 - 0.50
5B-00210	20453	Ac-228	1.26	0.06	0.048	2.4	0.00 - 0.50
5B-00210	20453	Am-241	0.0077	0.003	0.0029	0.0454	0.00 - 0.50
5B-00210	20453	Bi-212	0.992	0.11	0.073	2.15	0.00 - 0.50
5B-00210	20453	Bi-214	0.84	0.023	0.033	1.59	0.00 - 0.50
5B-00210	20453	Cd-113m	0.9 U	25	7.4	3030	0.00 - 0.50
5B-00210	20453	Cm-243/244	0.0011 U	0.0029	0.0011	0.0443	0.00 - 0.50
5B-00210	20453	Cm-245/246	-0.001 U J	0.0098	0.002	0.0401	0.00 - 0.50
5B-00210	20453	Cm-247/248	0.001 U	0.0076	0.0019	0.0306	0.00 - 0.50
5B-00210	20453	Co-60	0.0003 U	0.014	0.0042	0.028	0.00 - 0.50
5B-00210	20453	Cs-134	0.015 U	0.043	0.0036	0.0864	0.00 - 0.50
5B-00210	20453	Cs-137	0.0571	0.011	0.0056	0.207	0.00 - 0.50
5B-00210	20453	Eu-152	0.015 J	0.027	0.011	0.0566	0.00 - 0.50
5B-00210	20453	Eu-154	0.013 U	0.07	0.012	0.15	0.00 - 0.50
5B-00210	20453	Eu-155	0.07 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00210	20453	Ho-166m	0.0085 U	0.019	0.0051	0.0432	0.00 - 0.50
5B-00210	20453	K-40	21.3	0.13	0.71	32.4	0.00 - 0.50
5B-00210	20453	Na-22	0.0004 U	0.014	0.0043	0.037	0.00 - 0.50
5B-00210	20453	Nb-94	0.0102 SK	0.0079	0.0034	0.0214	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00210	20453	Np-236	-0.003 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00210	20453	Np-239	0.027 U	0.057	0.017	0.139	0.00 - 0.50
5B-00210	20453	Pa-231	-0.14 U	0.51	0.15	0.936	0.00 - 0.50
5B-00210	20453	Pb-212	1.59	0.02	0.084	2.69	0.00 - 0.50
5B-00210	20453	Pb-214	0.956	0.023	0.036	1.7	0.00 - 0.50
5B-00210	20453	Pu-236	0.0012 U	0.005	0.0013	7.79	0.00 - 0.50
5B-00210	20453	Pu-238	0.0002 U	0.007	0.0016	0.0415	0.00 - 0.50
5B-00210	20453	Pu-239/240	0.002	0.005	0.0016	0.0404	0.00 - 0.50
5B-00210	20453	Pu-244	0.0012 U	0.005	0.0013	0.0313	0.00 - 0.50
5B-00210	20453	Sb-125	0.027 SK	0.025	0.01	0.354	0.00 - 0.50
5B-00210	20453	Sn-126	0.0012 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00210	20453	Sr-90	0.018 U	0.044	0.013	0.485	0.00 - 0.50
5B-00210	20453	Te-125m	0.0061 SK	0.0057	0.0024	0.0838	0.00 - 0.50
5B-00210	20453	Th-228	1.09	0.022	0.058	3.98	0.00 - 0.50
5B-00210	20453	Th-229	0.0057	0.013	0.004	0.145	0.00 - 0.50
5B-00210	20453	Th-230	0.91	0.008	0.05	2.2	0.00 - 0.50
5B-00210	20453	Th-232	1.06	0.008	0.056	3.1	0.00 - 0.50
5B-00210	20453	Th-234	1.49 R	0.13	0.083	3.19	0.00 - 0.50
5B-00210	20453	Tl-208	0.488	0.015	0.019	0.937	0.00 - 0.50
5B-00210	20453	Tm-171	0.3 U	4.4	1.3	72.4	0.00 - 0.50
5B-00210	20453	U-233/234	0.788	0.003	0.046	2.02	0.00 - 0.50
5B-00210	20453	U-235/236	0.0349	0.0043	0.0076	0.151	0.00 - 0.50
5B-00210	20453	U-238	0.801	0.009	0.046	1.8	0.00 - 0.50
5B-00211	20454	Ac-227	0.39 K,R	0.13	0.021	0.217	1.00 - 5.00
5B-00211	20454	Ac-228	1.29	0.066	0.046	2.4	1.00 - 5.00
5B-00211	20454	Am-241	0.003 U	0.012	0.0033	0.0454	1.00 - 5.00
5B-00211	20454	Bi-212	1.02	0.11	0.07	2.15	1.00 - 5.00
5B-00211	20454	Bi-214	1.02	0.022	0.038	1.59	1.00 - 5.00
5B-00211	20454	Cd-113m	7 U	35	11	3030	1.00 - 5.00
5B-00211	20454	Cm-243/244	0.0016 U J	0.016	0.0041	0.0443	1.00 - 5.00
5B-00211	20454	Cm-245/246	0.0045 J	0.0025	0.002	0.0401	1.00 - 5.00
5B-00211	20454	Cm-247/248	0 U J	0.0024	0.001	0.0306	1.00 - 5.00
5B-00211	20454	Co-60	-0.003 U	0.016	0.0048	0.028	1.00 - 5.00
5B-00211	20454	Cs-134	0.0153 U	0.046	0.004	0.0864	1.00 - 5.00
5B-00211	20454	Cs-137	0.033	0.011	0.0055	0.207	1.00 - 5.00
5B-00211	20454	Eu-152	-0.015 U	0.032	0.0096	0.0566	1.00 - 5.00
5B-00211	20454	Eu-154	0.0009 U	0.085	0.0074	0.15	1.00 - 5.00
5B-00211	20454	Eu-155	0.088 SK	0.032	0.013	0.231	1.00 - 5.00
5B-00211	20454	Ho-166m	0.0084 U	0.021	0.006	0.0432	1.00 - 5.00
5B-00211	20454	K-40	23	0.15	0.76	32.4	1.00 - 5.00
5B-00211	20454	Na-22	0.0022 U	0.019	0.0056	0.037	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00211	20454	Nb-94	0.0043 U	0.012	0.0027	0.0214	1.00 - 5.00
5B-00211	20454	Np-236	-0.015 U	0.029	0.0089	0.047	1.00 - 5.00
5B-00211	20454	Np-239	-0.014 U	0.081	0.025	0.139	1.00 - 5.00
5B-00211	20454	Pa-231	-0.14 U J	0.54	0.16	0.936	1.00 - 5.00
5B-00211	20454	Pb-212	1.63	0.021	0.086	2.69	1.00 - 5.00
5B-00211	20454	Pb-214	1.17	0.025	0.044	1.7	1.00 - 5.00
5B-00211	20454	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 5.00
5B-00211	20454	Pu-238	0.0006 U	0.0056	0.0013	0.0415	1.00 - 5.00
5B-00211	20454	Pu-239/240	0.0016	0.0021	0.0011	0.0404	1.00 - 5.00
5B-00211	20454	Pu-244	0.0011 U	0.0046	0.0012	0.0313	1.00 - 5.00
5B-00211	20454	Sb-125	0.134 SK	0.034	0.0093	0.354	1.00 - 5.00
5B-00211	20454	Sn-126	0.005	0.0087	0.0027	0.0237	1.00 - 5.00
5B-00211	20454	Sr-90	0.02 U	0.039	0.012	0.485	1.00 - 5.00
5B-00211	20454	Te-125m	0.0308 SK	0.008	0.0021	0.0838	1.00 - 5.00
5B-00211	20454	Th-228	1.11	0.022	0.06	3.98	1.00 - 5.00
5B-00211	20454	Th-229	-0.001 U	0.014	0.0034	0.145	1.00 - 5.00
5B-00211	20454	Th-230	0.96	0.009	0.053	2.2	1.00 - 5.00
5B-00211	20454	Th-232	1.15	0.003	0.061	3.1	1.00 - 5.00
5B-00211	20454	Th-234	1.65 R	0.14	0.093	3.19	1.00 - 5.00
5B-00211	20454	Tl-208	0.501	0.014	0.019	0.937	1.00 - 5.00
5B-00211	20454	Tm-171	-5.4 R U J	4.9	1.5	72.4	1.00 - 5.00
5B-00211	20454	U-233/234	0.999	0.01	0.051	2.02	1.00 - 5.00
5B-00211	20454	U-235/236	0.0505	0.003	0.0077	0.151	1.00 - 5.00
5B-00211	20454	U-238	1.02	0.006	0.052	1.8	1.00 - 5.00
5B-00211	20455	Ac-227	0.498 K,R	0.13	0.025	0.217	0.00 - 0.50
5B-00211	20455	Ac-228	1.57	0.064	0.054	2.4	0.00 - 0.50
5B-00211	20455	Am-241	0.0068	0.0026	0.0026	0.0454	0.00 - 0.50
5B-00211	20455	Bi-212	1.32	0.11	0.076	2.15	0.00 - 0.50
5B-00211	20455	Bi-214	1.22	0.024	0.045	1.59	0.00 - 0.50
5B-00211	20455	Cd-113m	-3 U	37	11	3030	0.00 - 0.50
5B-00211	20455	Cm-243/244	-0.001 U	0.007	0.0011	0.0443	0.00 - 0.50
5B-00211	20455	Cm-245/246	0.0007 U	0.0079	0.002	0.0401	0.00 - 0.50
5B-00211	20455	Cm-247/248	-0.003 U	0.0094	0.0019	0.0306	0.00 - 0.50
5B-00211	20455	Co-60	0.0015 U	0.015	0.0043	0.028	0.00 - 0.50
5B-00211	20455	Cs-134	0.0137 U	0.04	0.0037	0.0864	0.00 - 0.50
5B-00211	20455	Cs-137	0.213	0.011	0.0094	0.207	0.00 - 0.50
5B-00211	20455	Eu-152	0.0011 U	0.028	0.0018	0.0566	0.00 - 0.50
5B-00211	20455	Eu-154	0.006 U	0.078	0.011	0.15	0.00 - 0.50
5B-00211	20455	Eu-155	0.086 SK	0.035	0.015	0.231	0.00 - 0.50
5B-00211	20455	Ho-166m	0.0117 SK	0.019	0.0051	0.0432	0.00 - 0.50
5B-00211	20455	K-40	20.1	0.14	0.67	32.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00211	20455	Na-22	0.0033 U	0.018	0.0056	0.037	0.00 - 0.50
5B-00211	20455	Nb-94	0.0064 SK	0.011	0.0035	0.0214	0.00 - 0.50
5B-00211	20455	Np-236	-1E-04 U	0.027	0.0082	0.047	0.00 - 0.50
5B-00211	20455	Np-239	0.039	0.059	0.022	0.139	0.00 - 0.50
5B-00211	20455	Pa-231	-0.19 U	0.54	0.16	0.936	0.00 - 0.50
5B-00211	20455	Pb-212	2.02	0.02	0.11	2.69	0.00 - 0.50
5B-00211	20455	Pb-214	1.38	0.024	0.051	1.7	0.00 - 0.50
5B-00211	20455	Pu-236	0 U	0.0022	0.0007	7.79	0.00 - 0.50
5B-00211	20455	Pu-238	0.0002 U	0.0069	0.0015	0.0415	0.00 - 0.50
5B-00211	20455	Pu-239/240	0.01	0.0022	0.0029	0.0404	0.00 - 0.50
5B-00211	20455	Pu-244	0.0007 U	0.006	0.0014	0.0313	0.00 - 0.50
5B-00211	20455	Sb-125	0.183 SK	0.033	0.011	0.354	0.00 - 0.50
5B-00211	20455	Sn-126	0.0021 U	0.013	0.0039	0.0237	0.00 - 0.50
5B-00211	20455	Sr-90	0.014 U	0.046	0.014	0.485	0.00 - 0.50
5B-00211	20455	Te-125m	0.0423 SK	0.0077	0.0026	0.0838	0.00 - 0.50
5B-00211	20455	Th-228	1.62	0.024	0.081	3.98	0.00 - 0.50
5B-00211	20455	Th-229	0.0089	0.0027	0.003	0.145	0.00 - 0.50
5B-00211	20455	Th-230	1.27	0.011	0.066	2.2	0.00 - 0.50
5B-00211	20455	Th-232	1.6	0.003	0.08	3.1	0.00 - 0.50
5B-00211	20455	Th-234	1.88 R	0.14	0.099	3.19	0.00 - 0.50
5B-00211	20455	Tl-208	0.625	0.016	0.024	0.937	0.00 - 0.50
5B-00211	20455	Tm-171	0.1 U	6.1	1.8	72.4	0.00 - 0.50
5B-00211	20455	U-233/234	1.32	0.004	0.069	2.02	0.00 - 0.50
5B-00211	20455	U-235/236	0.071	0.004	0.011	0.151	0.00 - 0.50
5B-00211	20455	U-238	1.19	0.004	0.064	1.8	0.00 - 0.50
5B-00212	20456	Ac-227	0.057 U	0.14	0.041	0.217	0.00 - 0.50
5B-00212	20456	Ac-228	0.995	0.096	0.039	2.4	0.00 - 0.50
5B-00212	20456	Am-241	0.0024	0.0044	0.003	0.0454	0.00 - 0.50
5B-00212	20456	Bi-212	0.934	0.13	0.077	2.15	0.00 - 0.50
5B-00212	20456	Bi-214	0.883	0.028	0.033	1.59	0.00 - 0.50
5B-00212	20456	C-14	0.047	0.055	0.017	2.96	0.00 - 0.50
5B-00212	20456	Cd-113m	11 U	40	12	3030	0.00 - 0.50
5B-00212	20456	Cm-243/244	0.0006 U	0.0055	0.0028	0.0443	0.00 - 0.50
5B-00212	20456	Cm-245/246	0.0043 J	0.0039	0.0025	0.0401	0.00 - 0.50
5B-00212	20456	Cm-247/248	-0.001 U	0.01	0.0016	0.0306	0.00 - 0.50
5B-00212	20456	Co-60	0.0074 U	0.019	0.0046	0.028	0.00 - 0.50
5B-00212	20456	Cs-134	0.0104 SK	0.018	0.0038	0.0864	0.00 - 0.50
5B-00212	20456	Cs-137	0.252 Y	0.019	0.012	0.207	0.00 - 0.50
5B-00212	20456	Eu-152	0.009 U	0.038	0.012	0.0566	0.00 - 0.50
5B-00212	20456	Eu-154	0.02 U	0.11	0.015	0.15	0.00 - 0.50
5B-00212	20456	Eu-155	0.07 SK	0.032	0.013	0.231	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00212	20456	Ho-166m	0.0184 SK	0.025	0.0027	0.0432	0.00 - 0.50
5B-00212	20456	K-40	18.1	0.16	0.56	32.4	0.00 - 0.50
5B-00212	20456	Na-22	0.0054 U	0.019	0.0056	0.037	0.00 - 0.50
5B-00212	20456	Nb-94	0.0048 U	0.014	0.0043	0.0214	0.00 - 0.50
5B-00212	20456	Ni-59	0 U	0.2	0.052	5.96	0.00 - 0.50
5B-00212	20456	Ni-63	0.08 U	0.57	0.18	4.92	0.00 - 0.50
5B-00212	20456	Np-236	-0.002 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00212	20456	Np-239	-0.028 U	0.085	0.026	0.139	0.00 - 0.50
5B-00212	20456	Pa-231	0 U	0.58	0.14	0.936	0.00 - 0.50
5B-00212	20456	Pb-212	1.33	0.027	0.055	2.69	0.00 - 0.50
5B-00212	20456	Pb-214	0.958	0.027	0.033	1.7	0.00 - 0.50
5B-00212	20456	Pu-236	-0.001 U	0.007	0.0009	7.79	0.00 - 0.50
5B-00212	20456	Pu-238	-6E-04 U	0.01	0.0023	0.0415	0.00 - 0.50
5B-00212	20456	Pu-239/240	0.0043	0.0057	0.0023	0.0404	0.00 - 0.50
5B-00212	20456	Pu-244	-0.002 U	0.008	0.0011	0.0313	0.00 - 0.50
5B-00212	20456	Sb-125	0.109 SK	0.047	0.011	0.354	0.00 - 0.50
5B-00212	20456	Sn-126	-4E-04 U	0.014	0.004	0.0237	0.00 - 0.50
5B-00212	20456	Sr-90	0.019 U	0.042	0.013	0.485	0.00 - 0.50
5B-00212	20456	Tc-99	-0.008 U	0.31	0.093	1.63	0.00 - 0.50
5B-00212	20456	Te-125m	0.0251 SK	0.011	0.0025	0.0838	0.00 - 0.50
5B-00212	20456	Th-228	0.995	0.024	0.054	3.98	0.00 - 0.50
5B-00212	20456	Th-229	0.0085	0.0092	0.0035	0.145	0.00 - 0.50
5B-00212	20456	Th-230	0.897	0.01	0.049	2.2	0.00 - 0.50
5B-00212	20456	Th-232	0.829	0.01	0.046	3.1	0.00 - 0.50
5B-00212	20456	Th-234	1.32 R	0.14	0.076	3.19	0.00 - 0.50
5B-00212	20456	Tl-208	0.43	0.019	0.017	0.937	0.00 - 0.50
5B-00212	20456	Tm-171	1.2 U	3.9	1.2	72.4	0.00 - 0.50
5B-00212	20456	U-233/234	0.662	0.008	0.037	2.02	0.00 - 0.50
5B-00212	20456	U-235/236	0.0301	0.0029	0.0058	0.151	0.00 - 0.50
5B-00212	20456	U-238	0.713	0.006	0.039	1.8	0.00 - 0.50
5B-00213	20457	Ac-227	0.021 U	0.085	0.026	0.217	0.00 - 0.50
5B-00213	20457	Ac-228	0.594	0.059	0.024	2.4	0.00 - 0.50
5B-00213	20457	Am-241	0.0041	0.0018	0.0017	0.0454	0.00 - 0.50
5B-00213	20457	Bi-212	0.411	0.061	0.035	2.15	0.00 - 0.50
5B-00213	20457	Bi-214	0.546	0.017	0.022	1.59	0.00 - 0.50
5B-00213	20457	C-14	0.014 U	0.04	0.012	2.96	0.00 - 0.50
5B-00213	20457	Cd-113m	4.8 U	26	8	3030	0.00 - 0.50
5B-00213	20457	Cm-243/244	0 U	0.0018	0.0008	0.0443	0.00 - 0.50
5B-00213	20457	Cm-245/246	0.0048	0.0065	0.0026	0.0401	0.00 - 0.50
5B-00213	20457	Cm-247/248	0.0043	0.0029	0.0022	0.0306	0.00 - 0.50
5B-00213	20457	Co-60	0.0048 U	0.01	0.0028	0.028	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00213	20457	Cs-134	0.0001 U	0.02	0	0.0864	0.00 - 0.50
5B-00213	20457	Cs-137	0.0754	0.0086	0.0053	0.207	0.00 - 0.50
5B-00213	20457	Eu-152	0.0067 U	0.024	0.0057	0.0566	0.00 - 0.50
5B-00213	20457	Eu-154	0.0102 U	0.05	0.0061	0.15	0.00 - 0.50
5B-00213	20457	Eu-155	0.0376 SK	0.023	0.0097	0.231	0.00 - 0.50
5B-00213	20457	Ho-166m	0.0016 U L,R	0.015	0.0031	0.0432	0.00 - 0.50
5B-00213	20457	K-40	21.2	0.11	0.7	32.4	0.00 - 0.50
5B-00213	20457	Na-22	0.004 U	0.011	0.0034	0.037	0.00 - 0.50
5B-00213	20457	Nb-94	0.0018 U	0.0082	0.0018	0.0214	0.00 - 0.50
5B-00213	20457	Ni-59	0 U	0.54	0.15	5.96	0.00 - 0.50
5B-00213	20457	Ni-63	0.3 U	0.66	0.2	4.92	0.00 - 0.50
5B-00213	20457	Np-236	-0.003 U	0.021	0.0064	0.047	0.00 - 0.50
5B-00213	20457	Np-239	0.011 U	0.061	0.018	0.139	0.00 - 0.50
5B-00213	20457	Pa-231	0.024 U	0.38	0.015	0.936	0.00 - 0.50
5B-00213	20457	Pb-212	0.593	0.015	0.032	2.69	0.00 - 0.50
5B-00213	20457	Pb-214	0.588	0.017	0.023	1.7	0.00 - 0.50
5B-00213	20457	Pu-236	0.0016	0.0022	0.0012	7.79	0.00 - 0.50
5B-00213	20457	Pu-238	0.0019	0.0048	0.0015	0.0415	0.00 - 0.50
5B-00213	20457	Pu-239/240	0.0019	0.0048	0.0015	0.0404	0.00 - 0.50
5B-00213	20457	Pu-244	0 U	0.0022	0.0007	0.0313	0.00 - 0.50
5B-00213	20457	Sb-125	0.0549 JSK	0.022	0.005	0.354	0.00 - 0.50
5B-00213	20457	Sn-126	0.0022 U	0.0097	0.0029	0.0237	0.00 - 0.50
5B-00213	20457	Sr-90	0.022 U	0.049	0.015	0.485	0.00 - 0.50
5B-00213	20457	Tc-99	-0.064 U	0.25	0.076	1.63	0.00 - 0.50
5B-00213	20457	Te-125m	0.0127 JSK	0.005	0.0012	0.0838	0.00 - 0.50
5B-00213	20457	Th-228	0.688	0.019	0.038	3.98	0.00 - 0.50
5B-00213	20457	Th-229	0.0065	0.0068	0.0028	0.145	0.00 - 0.50
5B-00213	20457	Th-230	0.537	0.008	0.031	2.2	0.00 - 0.50
5B-00213	20457	Th-232	0.672	0.009	0.037	3.1	0.00 - 0.50
5B-00213	20457	Th-234	0.917 R	0.11	0.06	3.19	0.00 - 0.50
5B-00213	20457	Tl-208	0.187	0.0087	0.0083	0.937	0.00 - 0.50
5B-00213	20457	Tm-171	1.78	2.5	0.96	72.4	0.00 - 0.50
5B-00213	20457	U-233/234	0.579	0.01	0.035	2.02	0.00 - 0.50
5B-00213	20457	U-235/236	0.0286	0.0096	0.0065	0.151	0.00 - 0.50
5B-00213	20457	U-238	0.513	0.003	0.032	1.8	0.00 - 0.50
5B-00214	20458	Ac-227	0.108	0.11	0.045	0.217	0.00 - 0.50
5B-00214	20458	Ac-228	1	0.091	0.04	2.4	0.00 - 0.50
5B-00214	20458	Am-241	0.005	0.0052	0.0041	0.0454	0.00 - 0.50
5B-00214	20458	Bi-212	0.801	0.12	0.065	2.15	0.00 - 0.50
5B-00214	20458	Bi-214	0.862	0.025	0.031	1.59	0.00 - 0.50
5B-00214	20458	C-14	0.046 J	0.06	0.019	2.96	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00214	20458	Cd-113m	8 U	40	12	3030	0.00 - 0.50
5B-00214	20458	Cm-243/244	-0.003 U	0.0077	0.0032	0.0443	0.00 - 0.50
5B-00214	20458	Cm-245/246	0 U	0.011	0.0025	0.0401	0.00 - 0.50
5B-00214	20458	Cm-247/248	0.0012 U	0.0032	0.0012	0.0306	0.00 - 0.50
5B-00214	20458	Co-60	-0.002 U	0.019	0.0057	0.028	0.00 - 0.50
5B-00214	20458	Cs-134	0.0197 U	0.053	0.0072	0.0864	0.00 - 0.50
5B-00214	20458	Cs-137	0.522 Y	0.014	0.019	0.207	0.00 - 0.50
5B-00214	20458	Eu-152	0.0039 U	0.038	0.0034	0.0566	0.00 - 0.50
5B-00214	20458	Eu-154	0.005 U	0.097	0.029	0.15	0.00 - 0.50
5B-00214	20458	Eu-155	0.056 SK	0.031	0.012	0.231	0.00 - 0.50
5B-00214	20458	Ho-166m	0.0067 U	0.02	0.0069	0.0432	0.00 - 0.50
5B-00214	20458	K-40	18.5	0.14	0.56	32.4	0.00 - 0.50
5B-00214	20458	Na-22	-0.005 U	0.025	0.0076	0.037	0.00 - 0.50
5B-00214	20458	Nb-94	0.0034 U	0.013	0.0041	0.0214	0.00 - 0.50
5B-00214	20458	Ni-59	0 U	0.78	0.17	5.96	0.00 - 0.50
5B-00214	20458	Ni-63	0.84	0.8	0.24	4.92	0.00 - 0.50
5B-00214	20458	Np-236	0.0132 U	0.029	0.009	0.047	0.00 - 0.50
5B-00214	20458	Np-239	-0.003 U	0.086	0.026	0.139	0.00 - 0.50
5B-00214	20458	Pa-231	0.02 U	0.56	0.17	0.936	0.00 - 0.50
5B-00214	20458	Pb-212	1.26	0.027	0.052	2.69	0.00 - 0.50
5B-00214	20458	Pb-214	1	0.025	0.033	1.7	0.00 - 0.50
5B-00214	20458	Pu-236	-0.003 U	0.013	0.0023	7.79	0.00 - 0.50
5B-00214	20458	Pu-238	0.0008 U	0.012	0.0028	0.0415	0.00 - 0.50
5B-00214	20458	Pu-239/240	0.0076	0.0034	0.0031	0.0404	0.00 - 0.50
5B-00214	20458	Pu-244	0.0013 U	0.0034	0.0013	0.0313	0.00 - 0.50
5B-00214	20458	Sb-125	0.104 SK	0.044	0.012	0.354	0.00 - 0.50
5B-00214	20458	Sn-126	0.0064 U	0.013	0.0041	0.0237	0.00 - 0.50
5B-00214	20458	Sr-90	0.007 U	0.045	0.013	0.485	0.00 - 0.50
5B-00214	20458	Tc-99	-0.054 U	0.31	0.095	1.63	0.00 - 0.50
5B-00214	20458	Te-125m	0.0239 SK	0.01	0.0027	0.0838	0.00 - 0.50
5B-00214	20458	Th-228	0.835	0.014	0.044	3.98	0.00 - 0.50
5B-00214	20458	Th-229	0.0058	0.0079	0.0029	0.145	0.00 - 0.50
5B-00214	20458	Th-230	1.43	0.006	0.069	2.2	0.00 - 0.50
5B-00214	20458	Th-232	0.841	0.002	0.044	3.1	0.00 - 0.50
5B-00214	20458	Th-234	1.22 R	0.14	0.074	3.19	0.00 - 0.50
5B-00214	20458	Tl-208	0.4	0.017	0.016	0.937	0.00 - 0.50
5B-00214	20458	Tm-171	-2.2 U	6.3	1.9	72.4	0.00 - 0.50
5B-00214	20458	U-233/234	0.785	0.011	0.043	2.02	0.00 - 0.50
5B-00214	20458	U-235/236	0.0329	0.011	0.0069	0.151	0.00 - 0.50
5B-00214	20458	U-238	0.632	0.009	0.036	1.8	0.00 - 0.50
5B-00215	20459	Ac-227	0.044 U	0.11	0.011	0.217	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00215	20459	Ac-228	1.15	0.049	0.038	2.4	0.00 - 0.50
5B-00215	20459	Am-241	0.0025 U	0.0034	0.0018	0.0454	0.00 - 0.50
5B-00215	20459	Bi-212	0.991	0.094	0.061	2.15	0.00 - 0.50
5B-00215	20459	Bi-214	0.743	0.019	0.025	1.59	0.00 - 0.50
5B-00215	20459	C-14	0.051	0.048	0.015	2.96	0.00 - 0.50
5B-00215	20459	Cd-113m	-4.7 U	29	8.7	3030	0.00 - 0.50
5B-00215	20459	Cm-243/244	0.0037	0.0033	0.0021	0.0443	0.00 - 0.50
5B-00215	20459	Cm-245/246	0.0009 U	0.0069	0.0017	0.0401	0.00 - 0.50
5B-00215	20459	Cm-247/248	0 U	0.0086	0.002	0.0306	0.00 - 0.50
5B-00215	20459	Co-60	-0.003 U	0.013	0.0038	0.028	0.00 - 0.50
5B-00215	20459	Cs-134	0.0109 U	0.032	0.0023	0.0864	0.00 - 0.50
5B-00215	20459	Cs-137	0.0677	0.0099	0.0056	0.207	0.00 - 0.50
5B-00215	20459	Eu-152	-0.012 U	0.028	0.0085	0.0566	0.00 - 0.50
5B-00215	20459	Eu-154	-0.005 U	0.054	0.016	0.15	0.00 - 0.50
5B-00215	20459	Eu-155	0.067 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00215	20459	Ho-166m	0.0122 SK	0.01	0.0066	0.0432	0.00 - 0.50
5B-00215	20459	K-40	20	0.12	0.59	32.4	0.00 - 0.50
5B-00215	20459	Na-22	-0.007 U	0.017	0.0051	0.037	0.00 - 0.50
5B-00215	20459	Nb-94	0.0064 SK	0.0093	0.0028	0.0214	0.00 - 0.50
5B-00215	20459	Ni-59	0 U	0.24	0.061	5.96	0.00 - 0.50
5B-00215	20459	Ni-63	-0.25 U	0.63	0.19	4.92	0.00 - 0.50
5B-00215	20459	Np-236	-0.005 U	0.02	0.0061	0.047	0.00 - 0.50
5B-00215	20459	Np-239	-0.014 U	0.066	0.02	0.139	0.00 - 0.50
5B-00215	20459	Pa-231	-0.12 U	0.44	0.13	0.936	0.00 - 0.50
5B-00215	20459	Pb-212	1.52	0.018	0.061	2.69	0.00 - 0.50
5B-00215	20459	Pb-214	0.846	0.017	0.027	1.7	0.00 - 0.50
5B-00215	20459	Pu-236	0.001 U	0.0027	0.001	7.79	0.00 - 0.50
5B-00215	20459	Pu-238	0.0014 U	0.0058	0.0015	0.0415	0.00 - 0.50
5B-00215	20459	Pu-239/240	0.0024	0.0058	0.0018	0.0404	0.00 - 0.50
5B-00215	20459	Pu-244	0.001 U	0.0026	0.001	0.0313	0.00 - 0.50
5B-00215	20459	Sb-125	0.108 SK	0.03	0.0071	0.354	0.00 - 0.50
5B-00215	20459	Sn-126	0.0017 U	0.0095	0.0029	0.0237	0.00 - 0.50
5B-00215	20459	Sr-90	0.037	0.049	0.015	0.485	0.00 - 0.50
5B-00215	20459	Tc-99	-0.046 U	0.29	0.086	1.63	0.00 - 0.50
5B-00215	20459	Te-125m	0.025 SK	0.007	0.0017	0.0838	0.00 - 0.50
5B-00215	20459	Th-228	1.15	0.022	0.06	3.98	0.00 - 0.50
5B-00215	20459	Th-229	0.0048	0.0058	0.0023	0.145	0.00 - 0.50
5B-00215	20459	Th-230	0.779	0.003	0.044	2.2	0.00 - 0.50
5B-00215	20459	Th-232	1.07	0.003	0.056	3.1	0.00 - 0.50
5B-00215	20459	Th-234	1.5 R	0.12	0.075	3.19	0.00 - 0.50
5B-00215	20459	Tl-208	0.45	0.014	0.016	0.937	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00215	20459	Tm-171	3.1	4.2	1.6	72.4	0.00 - 0.50
5B-00215	20459	U-233/234	0.709	0.012	0.042	2.02	0.00 - 0.50
5B-00215	20459	U-235/236	0.025	0.012	0.0067	0.151	0.00 - 0.50
5B-00215	20459	U-238	0.768	0.012	0.045	1.8	0.00 - 0.50
5B-00216	20460	Ac-227	0.032 U	0.13	0.021	0.217	0.00 - 0.50
5B-00216	20460	Ac-228	1.02	0.076	0.035	2.4	0.00 - 0.50
5B-00216	20460	Am-241	-0.002 U	0.013	0.0029	0.0454	0.00 - 0.50
5B-00216	20460	Bi-212	0.899	0.13	0.081	2.15	0.00 - 0.50
5B-00216	20460	Bi-214	0.826	0.024	0.03	1.59	0.00 - 0.50
5B-00216	20460	C-14	0.044	0.047	0.015	2.96	0.00 - 0.50
5B-00216	20460	Cd-113m	-6 U	38	11	3030	0.00 - 0.50
5B-00216	20460	Cm-243/244	-0.002 U	0.015	0.0037	0.0443	0.00 - 0.50
5B-00216	20460	Cm-245/246	0.0063	0.0034	0.0028	0.0401	0.00 - 0.50
5B-00216	20460	Cm-247/248	-0.001 U	0.0091	0.0014	0.0306	0.00 - 0.50
5B-00216	20460	Co-60	0.0025 U	0.017	0.0018	0.028	0.00 - 0.50
5B-00216	20460	Cs-134	0.0113 U	0.046	0.0041	0.0864	0.00 - 0.50
5B-00216	20460	Cs-137	0.11	0.011	0.0066	0.207	0.00 - 0.50
5B-00216	20460	Eu-152	0.004 U	0.034	0.011	0.0566	0.00 - 0.50
5B-00216	20460	Eu-154	0.0107 U	0.091	0.0049	0.15	0.00 - 0.50
5B-00216	20460	Eu-155	0.066 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00216	20460	Ho-166m	-0.003 U L,R	0.022	0.0031	0.0432	0.00 - 0.50
5B-00216	20460	K-40	20.2	0.12	0.61	32.4	0.00 - 0.50
5B-00216	20460	Na-22	0 U	0.023	0.0069	0.037	0.00 - 0.50
5B-00216	20460	Nb-94	0.0019 U	0.012	0.0023	0.0214	0.00 - 0.50
5B-00216	20460	Ni-59	0 U	0.52	0.15	5.96	0.00 - 0.50
5B-00216	20460	Ni-63	0.14 U	0.64	0.19	4.92	0.00 - 0.50
5B-00216	20460	Np-236	-0.007 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00216	20460	Np-239	0 U	0.065	0.02	0.139	0.00 - 0.50
5B-00216	20460	Pa-231	-0.05 U	0.53	0.16	0.936	0.00 - 0.50
5B-00216	20460	Pb-212	1.29	0.025	0.053	2.69	0.00 - 0.50
5B-00216	20460	Pb-214	0.91	0.022	0.03	1.7	0.00 - 0.50
5B-00216	20460	Pu-236	0 U	0.0021	0.0007	7.79	0.00 - 0.50
5B-00216	20460	Pu-238	0 U	0.0021	0.0007	0.0415	0.00 - 0.50
5B-00216	20460	Pu-239/240	0.0057	0.0046	0.0023	0.0404	0.00 - 0.50
5B-00216	20460	Pu-244	0.0015 U	0.0021	0.0011	0.0313	0.00 - 0.50
5B-00216	20460	Sb-125	0.117 JSK	0.036	0.0097	0.354	0.00 - 0.50
5B-00216	20460	Sn-126	-0.002 U	0.014	0.0042	0.0237	0.00 - 0.50
5B-00216	20460	Sr-90	0.042	0.053	0.017	0.485	0.00 - 0.50
5B-00216	20460	Tc-99	-0.053 U	0.29	0.088	1.63	0.00 - 0.50
5B-00216	20460	Te-125m	0.027 JSK	0.0083	0.0022	0.0838	0.00 - 0.50
5B-00216	20460	Th-228	1.02	0.022	0.055	3.98	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00216	20460	Th-229	0.0093	0.0096	0.0038	0.145	0.00 - 0.50
5B-00216	20460	Th-230	0.731	0.011	0.042	2.2	0.00 - 0.50
5B-00216	20460	Th-232	0.957	0.003	0.052	3.1	0.00 - 0.50
5B-00216	20460	Th-234	1.47 R	0.13	0.077	3.19	0.00 - 0.50
5B-00216	20460	Tl-208	0.426	0.016	0.016	0.937	0.00 - 0.50
5B-00216	20460	Tm-171	0.8 U	4.6	1.4	72.4	0.00 - 0.50
5B-00216	20460	U-233/234	0.939	0.016	0.052	2.02	0.00 - 0.50
5B-00216	20460	U-235/236	0.0377	0.0039	0.0076	0.151	0.00 - 0.50
5B-00216	20460	U-238	0.967	0.003	0.053	1.8	0.00 - 0.50
5B-00217	20461	Ac-227	0.057 U	0.12	0.013	0.217	0.00 - 0.50
5B-00217	20461	Ac-228	1.11	0.062	0.039	2.4	0.00 - 0.50
5B-00217	20461	Am-241	0 U	0.0085	0.0019	0.0454	0.00 - 0.50
5B-00217	20461	Bi-212	0.958	0.11	0.072	2.15	0.00 - 0.50
5B-00217	20461	Bi-214	1.24	0.022	0.045	1.59	0.00 - 0.50
5B-00217	20461	C-14	0.037	0.041	0.013	2.96	0.00 - 0.50
5B-00217	20461	Cd-113m	9.4 U	27	8.1	3030	0.00 - 0.50
5B-00217	20461	Cm-243/244	-9E-04 U	0.012	0.0029	0.0443	0.00 - 0.50
5B-00217	20461	Cm-245/246	0.0012 U	0.0034	0.0012	0.0401	0.00 - 0.50
5B-00217	20461	Cm-247/248	0.0002 U	0.01	0.0022	0.0306	0.00 - 0.50
5B-00217	20461	Co-60	0.0018 U	0.014	0.0028	0.028	0.00 - 0.50
5B-00217	20461	Cs-134	0.0088 U	0.051	0.0032	0.0864	0.00 - 0.50
5B-00217	20461	Cs-137	0.256 Y	0.0092	0.01	0.207	0.00 - 0.50
5B-00217	20461	Eu-152	0.017 K,R	0.032	0.011	0.0566	0.00 - 0.50
5B-00217	20461	Eu-154	0.0114 U	0.08	0.0059	0.15	0.00 - 0.50
5B-00217	20461	Eu-155	0.051 SK	0.029	0.011	0.231	0.00 - 0.50
5B-00217	20461	Ho-166m	0.0058 U L,R	0.019	0.0035	0.0432	0.00 - 0.50
5B-00217	20461	K-40	18.6	0.14	0.62	32.4	0.00 - 0.50
5B-00217	20461	Na-22	-1E-04 U	0.018	0.0053	0.037	0.00 - 0.50
5B-00217	20461	Nb-94	0.0055 SK	0.011	0.0033	0.0214	0.00 - 0.50
5B-00217	20461	Ni-59	0 U	0.58	0.16	5.96	0.00 - 0.50
5B-00217	20461	Ni-63	0.18 U	0.63	0.19	4.92	0.00 - 0.50
5B-00217	20461	Np-236	-0.01 U	0.028	0.0084	0.047	0.00 - 0.50
5B-00217	20461	Np-239	0.008 U	0.077	0.023	0.139	0.00 - 0.50
5B-00217	20461	Pa-231	0.06 U	0.51	0.15	0.936	0.00 - 0.50
5B-00217	20461	Pb-212	1.41	0.029	0.075	2.69	0.00 - 0.50
5B-00217	20461	Pb-214	1.39	0.021	0.05	1.7	0.00 - 0.50
5B-00217	20461	Pu-236	0.0009 U	0.0023	0.0009	7.79	0.00 - 0.50
5B-00217	20461	Pu-238	0.0012 U	0.0051	0.0013	0.0415	0.00 - 0.50
5B-00217	20461	Pu-239/240	0.0038	0.0051	0.002	0.0404	0.00 - 0.50
5B-00217	20461	Pu-244	0.0052	0.0023	0.0021	0.0313	0.00 - 0.50
5B-00217	20461	Sb-125	0.105 JSK	0.036	0.0082	0.354	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00217	20461	Sn-126	-0.002 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00217	20461	Sr-90	0.009 U	0.051	0.015	0.485	0.00 - 0.50
5B-00217	20461	Tc-99	-0.049 U	0.3	0.09	1.63	0.00 - 0.50
5B-00217	20461	Te-125m	0.0242 JSK	0.0084	0.0019	0.0838	0.00 - 0.50
5B-00217	20461	Th-228	1.27	0.017	0.064	3.98	0.00 - 0.50
5B-00217	20461	Th-229	0.0039 U	0.014	0.0041	0.145	0.00 - 0.50
5B-00217	20461	Th-230	1.32	0.009	0.066	2.2	0.00 - 0.50
5B-00217	20461	Th-232	1.06	0.009	0.055	3.1	0.00 - 0.50
5B-00217	20461	Th-234	0.329 R	0.13	0.043	3.19	0.00 - 0.50
5B-00217	20461	Tl-208	0.464	0.016	0.019	0.937	0.00 - 0.50
5B-00217	20461	Tm-171	-3.8 U J	5.1	1.6	72.4	0.00 - 0.50
5B-00217	20461	U-233/234	0.773	0.013	0.043	2.02	0.00 - 0.50
5B-00217	20461	U-235/236	0.0443	0.0032	0.0075	0.151	0.00 - 0.50
5B-00217	20461	U-238	0.742	0.007	0.041	1.8	0.00 - 0.50
5B-00218	20463	Ac-227	0.033 U	0.14	0.029	0.217	0.00 - 0.50
5B-00218	20463	Ac-228	1.09	0.097	0.04	2.4	0.00 - 0.50
5B-00218	20463	Am-241	0.0021	0.0053	0.0016	0.0454	0.00 - 0.50
5B-00218	20463	Bi-212	0.89	0.14	0.079	2.15	0.00 - 0.50
5B-00218	20463	Bi-214	1.15	0.027	0.039	1.59	0.00 - 0.50
5B-00218	20463	C-14	0.035	0.054	0.017	2.96	0.00 - 0.50
5B-00218	20463	Cd-113m	14 U	42	13	3030	0.00 - 0.50
5B-00218	20463	Cm-243/244	-7E-04 U	0.0084	0.002	0.0443	0.00 - 0.50
5B-00218	20463	Cm-245/246	0.0007 U J	0.0073	0.0015	0.0401	0.00 - 0.50
5B-00218	20463	Cm-247/248	-0.001 U	0.0087	0.001	0.0306	0.00 - 0.50
5B-00218	20463	Co-60	0.0048 U	0.02	0.0038	0.028	0.00 - 0.50
5B-00218	20463	Cs-134	0.0006 U	0.031	0.0094	0.0864	0.00 - 0.50
5B-00218	20463	Cs-137	0.294 Y	0.017	0.012	0.207	0.00 - 0.50
5B-00218	20463	Eu-152	0.023 K,R	0.041	0.011	0.0566	0.00 - 0.50
5B-00218	20463	Eu-154	-0.003 U	0.11	0.0024	0.15	0.00 - 0.50
5B-00218	20463	Eu-155	0.078 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00218	20463	Ho-166m	0.0064 U	0.026	0.0041	0.0432	0.00 - 0.50
5B-00218	20463	K-40	18.4	0.15	0.56	32.4	0.00 - 0.50
5B-00218	20463	Na-22	0.0027 U	0.02	0.0058	0.037	0.00 - 0.50
5B-00218	20463	Nb-94	0 U	0.015	0.0044	0.0214	0.00 - 0.50
5B-00218	20463	Ni-59	0 U	0.68	0.19	5.96	0.00 - 0.50
5B-00218	20463	Ni-63	0.13 U	0.85	0.25	4.92	0.00 - 0.50
5B-00218	20463	Np-236	0.0041 U	0.02	0.0066	0.047	0.00 - 0.50
5B-00218	20463	Np-239	0.023 U	0.091	0.028	0.139	0.00 - 0.50
5B-00218	20463	Pa-231	0.02 U	0.61	0.18	0.936	0.00 - 0.50
5B-00218	20463	Pb-212	1.5	0.025	0.061	2.69	0.00 - 0.50
5B-00218	20463	Pb-214	1.28	0.027	0.042	1.7	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00218	20463	Pu-236	0.0004 U	0.0053	0.0014	7.79	0.00 - 0.50
5B-00218	20463	Pu-238	0.0026	0.0041	0.0014	0.0415	0.00 - 0.50
5B-00218	20463	Pu-239/240	0.0035	0.0032	0.0014	0.0404	0.00 - 0.50
5B-00218	20463	Pu-244	0.0004 U	0.0032	0.0008	0.0313	0.00 - 0.50
5B-00218	20463	Sb-125	0.165 JSK	0.046	0.018	0.354	0.00 - 0.50
5B-00218	20463	Sn-126	0.0019 U	0.017	0.005	0.0237	0.00 - 0.50
5B-00218	20463	Sr-90	-0.006 U	0.063	0.018	0.485	0.00 - 0.50
5B-00218	20463	Tc-99	-0.15 U	0.35	0.11	1.63	0.00 - 0.50
5B-00218	20463	Te-125m	0.0382 JSK	0.011	0.0042	0.0838	0.00 - 0.50
5B-00218	20463	Th-228	1.18	0.017	0.059	3.98	0.00 - 0.50
5B-00218	20463	Th-229	0.01	0.003	0.0034	0.145	0.00 - 0.50
5B-00218	20463	Th-230	0.862	0.007	0.045	2.2	0.00 - 0.50
5B-00218	20463	Th-232	0.981	0.007	0.05	3.1	0.00 - 0.50
5B-00218	20463	Th-234	0.684 R	0.15	0.054	3.19	0.00 - 0.50
5B-00218	20463	Tl-208	0.464	0.015	0.016	0.937	0.00 - 0.50
5B-00218	20463	Tm-171	0.2 U	5.8	1.7	72.4	0.00 - 0.50
5B-00218	20463	U-233/234	1.02	0.011	0.052	2.02	0.00 - 0.50
5B-00218	20463	U-235/236	0.0405	0.003	0.0069	0.151	0.00 - 0.50
5B-00218	20463	U-238	0.926	0.008	0.048	1.8	0.00 - 0.50
5B-00219	20464	Ac-227	0.016 U	0.14	0.055	0.217	0.00 - 0.50
5B-00219	20464	Ac-228	1.09	0.077	0.04	2.4	0.00 - 0.50
5B-00219	20464	Am-241	0.0014 U	0.0038	0.0014	0.0454	0.00 - 0.50
5B-00219	20464	Bi-212	1.05	0.12	0.072	2.15	0.00 - 0.50
5B-00219	20464	Bi-214	1.11	0.027	0.038	1.59	0.00 - 0.50
5B-00219	20464	C-14	0.045	0.05	0.016	2.96	0.00 - 0.50
5B-00219	20464	Cd-113m	-5 U	41	12	3030	0.00 - 0.50
5B-00219	20464	Cm-243/244	0.0014 U	0.0037	0.0014	0.0443	0.00 - 0.50
5B-00219	20464	Cm-245/246	0 U	0.008	0.0018	0.0401	0.00 - 0.50
5B-00219	20464	Cm-247/248	0.0017 U	0.0062	0.0017	0.0306	0.00 - 0.50
5B-00219	20464	Co-60	0.0075 U	0.018	0.0054	0.028	0.00 - 0.50
5B-00219	20464	Cs-134	0.0052 U	0.057	0.0027	0.0864	0.00 - 0.50
5B-00219	20464	Cs-137	0.444 Y	0.014	0.016	0.207	0.00 - 0.50
5B-00219	20464	Eu-152	0.0131 U	0.038	0.0086	0.0566	0.00 - 0.50
5B-00219	20464	Eu-154	-0.023 U	0.1	0.03	0.15	0.00 - 0.50
5B-00219	20464	Eu-155	0.054 SK	0.042	0.013	0.231	0.00 - 0.50
5B-00219	20464	Ho-166m	0.0276 SK	0.023	0.0046	0.0432	0.00 - 0.50
5B-00219	20464	K-40	19.3	0.15	0.58	32.4	0.00 - 0.50
5B-00219	20464	Na-22	-0.002 U	0.022	0.0065	0.037	0.00 - 0.50
5B-00219	20464	Nb-94	0.0007 U	0.012	0.0015	0.0214	0.00 - 0.50
5B-00219	20464	Ni-59	0 U	0.17	0.055	5.96	0.00 - 0.50
5B-00219	20464	Ni-63	-0.04 U	0.56	0.17	4.92	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00219	20464	Np-236	-5E-04 U	0.031	0.0094	0.047	0.00 - 0.50
5B-00219	20464	Np-239	-0.01 U	0.074	0.022	0.139	0.00 - 0.50
5B-00219	20464	Pa-231	-0.004 U	0.58	0.0049	0.936	0.00 - 0.50
5B-00219	20464	Pb-212	1.35	0.03	0.043	2.69	0.00 - 0.50
5B-00219	20464	Pb-214	1.19	0.028	0.05	1.7	0.00 - 0.50
5B-00219	20464	Pu-236	0.0017 U	0.0074	0.002	7.79	0.00 - 0.50
5B-00219	20464	Pu-238	0.0062	0.0034	0.0028	0.0415	0.00 - 0.50
5B-00219	20464	Pu-239/240	0.0035	0.0091	0.0028	0.0404	0.00 - 0.50
5B-00219	20464	Pu-244	0.0025	0.0034	0.0018	0.0313	0.00 - 0.50
5B-00219	20464	Sb-125	0.143 SK	0.045	0.012	0.354	0.00 - 0.50
5B-00219	20464	Sn-126	0.0057 U	0.015	0.0044	0.0237	0.00 - 0.50
5B-00219	20464	Sr-90	0.012 U	0.046	0.014	0.485	0.00 - 0.50
5B-00219	20464	Tc-99	-0.019 U	0.31	0.093	1.63	0.00 - 0.50
5B-00219	20464	Te-125m	0.0329 SK	0.01	0.0028	0.0838	0.00 - 0.50
5B-00219	20464	Th-228	0.975	0.028	0.056	3.98	0.00 - 0.50
5B-00219	20464	Th-229	0.007	0.008	0.0031	0.145	0.00 - 0.50
5B-00219	20464	Th-230	1.25	0.02	0.068	2.2	0.00 - 0.50
5B-00219	20464	Th-232	0.922	0.014	0.054	3.1	0.00 - 0.50
5B-00219	20464	Th-234	1.49 R	0.15	0.079	3.19	0.00 - 0.50
5B-00219	20464	Tl-208	0.477	0.018	0.018	0.937	0.00 - 0.50
5B-00219	20464	Tm-171	2.3 U	5.2	1.6	72.4	0.00 - 0.50
5B-00219	20464	U-233/234	0.918	0.005	0.044	2.02	0.00 - 0.50
5B-00219	20464	U-235/236	0.0483	0.0015	0.0056	0.151	0.00 - 0.50
5B-00219	20464	U-238	0.875	0.001	0.042	1.8	0.00 - 0.50
5B-00220	20466	Ac-227	0.057	0.076	0.023	0.217	0.00 - 0.50
5B-00220	20466	Ac-228	0.891	0.067	0.034	2.4	0.00 - 0.50
5B-00220	20466	Am-241	0.0019 U	0.0068	0.0019	0.0454	0.00 - 0.50
5B-00220	20466	Bi-212	0.722	0.11	0.064	2.15	0.00 - 0.50
5B-00220	20466	Bi-214	1.09	0.019	0.04	1.59	0.00 - 0.50
5B-00220	20466	C-14	0.044	0.051	0.016	2.96	0.00 - 0.50
5B-00220	20466	Cd-113m	-5 U	33	10	3030	0.00 - 0.50
5B-00220	20466	Cm-243/244	0 U	0.0025	0.001	0.0443	0.00 - 0.50
5B-00220	20466	Cm-245/246	0.0023 U	0.0031	0.0016	0.0401	0.00 - 0.50
5B-00220	20466	Cm-247/248	0.0033	0.003	0.0019	0.0306	0.00 - 0.50
5B-00220	20466	Co-60	0.0041 U	0.013	0.0033	0.028	0.00 - 0.50
5B-00220	20466	Cs-134	0.0091 U	0.04	0.0051	0.0864	0.00 - 0.50
5B-00220	20466	Cs-137	0.323 Y	0.009	0.012	0.207	0.00 - 0.50
5B-00220	20466	Eu-152	-0.005 U	0.03	0.0092	0.0566	0.00 - 0.50
5B-00220	20466	Eu-154	0.0042 U	0.069	0.0043	0.15	0.00 - 0.50
5B-00220	20466	Eu-155	0.056 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00220	20466	Ho-166m	0.0058 U L,R	0.017	0.0045	0.0432	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00220	20466	K-40	18.7	0.13	0.62	32.4	0.00 - 0.50
5B-00220	20466	Na-22	0.0052 U	0.017	0.0051	0.037	0.00 - 0.50
5B-00220	20466	Nb-94	0.0045 U	0.0095	0.0029	0.0214	0.00 - 0.50
5B-00220	20466	Ni-59	0 U	0.73	0.19	5.96	0.00 - 0.50
5B-00220	20466	Ni-63	0.23 U	0.69	0.2	4.92	0.00 - 0.50
5B-00220	20466	Np-236	0.0076 U	0.023	0.0069	0.047	0.00 - 0.50
5B-00220	20466	Np-239	-0.013 U	0.071	0.021	0.139	0.00 - 0.50
5B-00220	20466	Pa-231	-0.02 U	0.47	0.14	0.936	0.00 - 0.50
5B-00220	20466	Pb-212	1.12	0.026	0.06	2.69	0.00 - 0.50
5B-00220	20466	Pb-214	1.25	0.022	0.046	1.7	0.00 - 0.50
5B-00220	20466	Pu-236	-0.002 U	0.0078	0.0011	7.79	0.00 - 0.50
5B-00220	20466	Pu-238	0.0015 U	0.0086	0.0023	0.0415	0.00 - 0.50
5B-00220	20466	Pu-239/240	0.0017 U	0.0069	0.0019	0.0404	0.00 - 0.50
5B-00220	20466	Pu-244	0 U	0.0025	0.0008	0.0313	0.00 - 0.50
5B-00220	20466	Sb-125	0.101 JSK	0.032	0.0093	0.354	0.00 - 0.50
5B-00220	20466	Sn-126	0.0017 U	0.01	0.003	0.0237	0.00 - 0.50
5B-00220	20466	Sr-90	-6E-04 U	0.058	0.017	0.485	0.00 - 0.50
5B-00220	20466	Tc-99	-0.101 U	0.29	0.089	1.63	0.00 - 0.50
5B-00220	20466	Te-125m	0.0234 JSK	0.0073	0.0021	0.0838	0.00 - 0.50
5B-00220	20466	Th-228	0.894	0.013	0.047	3.98	0.00 - 0.50
5B-00220	20466	Th-229	0.0017 U	0.0086	0.0024	0.145	0.00 - 0.50
5B-00220	20466	Th-230	0.709	0.009	0.039	2.2	0.00 - 0.50
5B-00220	20466	Th-232	0.783	0.006	0.042	3.1	0.00 - 0.50
5B-00220	20466	Th-234	1.16 R	0.12	0.069	3.19	0.00 - 0.50
5B-00220	20466	Tl-208	0.375	0.015	0.016	0.937	0.00 - 0.50
5B-00220	20466	Tm-171	0.2 U	5.3	1.6	72.4	0.00 - 0.50
5B-00220	20466	U-233/234	0.875	0.008	0.048	2.02	0.00 - 0.50
5B-00220	20466	U-235/236	0.0491	0.01	0.0087	0.151	0.00 - 0.50
5B-00220	20466	U-238	0.785	0.01	0.044	1.8	0.00 - 0.50
5B-00221	20467	Ac-227	-0.04 U	0.13	0.04	0.217	0.00 - 0.50
5B-00221	20467	Ac-228	0.938	0.077	0.036	2.4	0.00 - 0.50
5B-00221	20467	Am-241	0.0015 U	0.0054	0.0015	0.0454	0.00 - 0.50
5B-00221	20467	Bi-212	0.858	0.13	0.077	2.15	0.00 - 0.50
5B-00221	20467	Bi-214	0.992	0.022	0.034	1.59	0.00 - 0.50
5B-00221	20467	C-14	0.03	0.05	0.015	2.96	0.00 - 0.50
5B-00221	20467	Cd-113m	15 U	40	12	3030	0.00 - 0.50
5B-00221	20467	Cm-243/244	-0.002 U	0.01	0.0023	0.0443	0.00 - 0.50
5B-00221	20467	Cm-245/246	0.0041 J	0.0037	0.0024	0.0401	0.00 - 0.50
5B-00221	20467	Cm-247/248	0 U	0.0036	0.0011	0.0306	0.00 - 0.50
5B-00221	20467	Co-60	0.0065 U	0.018	0.0053	0.028	0.00 - 0.50
5B-00221	20467	Cs-134	0.0027 U	0.054	0.0056	0.0864	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00221	20467	Cs-137	0.626 Y	0.013	0.021	0.207	0.00 - 0.50
5B-00221	20467	Eu-152	0.0034 U	0.032	0.0028	0.0566	0.00 - 0.50
5B-00221	20467	Eu-154	-0.042 U	0.097	0.029	0.15	0.00 - 0.50
5B-00221	20467	Eu-155	0.05 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00221	20467	Ho-166m	-0.002 U	0.02	0.0061	0.0432	0.00 - 0.50
5B-00221	20467	K-40	19	0.12	0.57	32.4	0.00 - 0.50
5B-00221	20467	Na-22	-0.005 U	0.024	0.0072	0.037	0.00 - 0.50
5B-00221	20467	Nb-94	0.0014 U	0.013	0.0027	0.0214	0.00 - 0.50
5B-00221	20467	Ni-59	0 U	0.68	0.18	5.96	0.00 - 0.50
5B-00221	20467	Ni-63	0.06 U	0.75	0.22	4.92	0.00 - 0.50
5B-00221	20467	Np-236	-8E-04 U	0.025	0.0075	0.047	0.00 - 0.50
5B-00221	20467	Np-239	0.028 U	0.079	0.024	0.139	0.00 - 0.50
5B-00221	20467	Pa-231	0.112 U	0.54	0.066	0.936	0.00 - 0.50
5B-00221	20467	Pb-212	1.23	0.026	0.05	2.69	0.00 - 0.50
5B-00221	20467	Pb-214	1.07	0.026	0.035	1.7	0.00 - 0.50
5B-00221	20467	Pu-236	0 U	0.0011	0.0005	7.79	0.00 - 0.50
5B-00221	20467	Pu-238	0.0016	0.0011	0.0008	0.0415	0.00 - 0.50
5B-00221	20467	Pu-239/240	0.0044	0.0011	0.0013	0.0404	0.00 - 0.50
5B-00221	20467	Pu-244	0.0012	0.0011	0.0007	0.0313	0.00 - 0.50
5B-00221	20467	Sb-125	0.0947 JSK	0.043	0.0097	0.354	0.00 - 0.50
5B-00221	20467	Sn-126	0.0001 U	0.014	0.0041	0.0237	0.00 - 0.50
5B-00221	20467	Sr-90	0.038	0.061	0.019	0.485	0.00 - 0.50
5B-00221	20467	Tc-99	-0.12 U	0.37	0.11	1.63	0.00 - 0.50
5B-00221	20467	Te-125m	0.0219 JSK	0.0098	0.0022	0.0838	0.00 - 0.50
5B-00221	20467	Th-228	0.97	0.015	0.049	3.98	0.00 - 0.50
5B-00221	20467	Th-229	0.0083	0.0068	0.0031	0.145	0.00 - 0.50
5B-00221	20467	Th-230	1.14	0.002	0.056	2.2	0.00 - 0.50
5B-00221	20467	Th-232	0.865	0.005	0.044	3.1	0.00 - 0.50
5B-00221	20467	Th-234	1.31 R	0.14	0.076	3.19	0.00 - 0.50
5B-00221	20467	Tl-208	0.39	0.018	0.016	0.937	0.00 - 0.50
5B-00221	20467	Tm-171	-1.7 U	5.5	1.7	72.4	0.00 - 0.50
5B-00221	20467	U-233/234	1.01	0.01	0.052	2.02	0.00 - 0.50
5B-00221	20467	U-235/236	0.0459	0.003	0.0074	0.151	0.00 - 0.50
5B-00221	20467	U-238	0.899	0.002	0.047	1.8	0.00 - 0.50
5B-00222	20469	Ac-227	0.017 U	0.12	0.027	0.217	0.00 - 0.50
5B-00222	20469	Ac-228	1.17	0.058	0.042	2.4	0.00 - 0.50
5B-00222	20469	Am-241	0.0063	0.0077	0.003	0.0454	0.00 - 0.50
5B-00222	20469	Bi-212	1.1	0.11	0.074	2.15	0.00 - 0.50
5B-00222	20469	Bi-214	0.942	0.018	0.034	1.59	0.00 - 0.50
5B-00222	20469	C-14	0.034	0.055	0.017	2.96	0.00 - 0.50
5B-00222	20469	Cd-113m	31	28	12	3030	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00222	20469	Cm-243/244	0.0041	0.0076	0.0026	0.0443	0.00 - 0.50
5B-00222	20469	Cm-245/246	-0.003 U	0.013	0.0028	0.0401	0.00 - 0.50
5B-00222	20469	Cm-247/248	0.001 U	0.007	0.0017	0.0306	0.00 - 0.50
5B-00222	20469	Co-60	-0.002 U	0.015	0.0046	0.028	0.00 - 0.50
5B-00222	20469	Cs-134	0.006 U	0.042	0.011	0.0864	0.00 - 0.50
5B-00222	20469	Cs-137	0.623 Y	0.01	0.023	0.207	0.00 - 0.50
5B-00222	20469	Eu-152	0.0013 U	0.026	0.0078	0.0566	0.00 - 0.50
5B-00222	20469	Eu-154	0.009 U	0.076	0.023	0.15	0.00 - 0.50
5B-00222	20469	Eu-155	0.064 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00222	20469	Ho-166m	0.0082 U	0.018	0.0054	0.0432	0.00 - 0.50
5B-00222	20469	K-40	21.2	0.11	0.7	32.4	0.00 - 0.50
5B-00222	20469	Na-22	0.0006 U	0.019	0.0058	0.037	0.00 - 0.50
5B-00222	20469	Nb-94	0.0046 U	0.01	0.0024	0.0214	0.00 - 0.50
5B-00222	20469	Ni-59	0 U	0.17	0.043	5.96	0.00 - 0.50
5B-00222	20469	Ni-63	-0.11 U	0.59	0.18	4.92	0.00 - 0.50
5B-00222	20469	Np-236	-0.007 U	0.026	0.0079	0.047	0.00 - 0.50
5B-00222	20469	Np-239	-0.001 U	0.07	0.021	0.139	0.00 - 0.50
5B-00222	20469	Pa-231	0.09 U	0.48	0.15	0.936	0.00 - 0.50
5B-00222	20469	Pb-212	1.45	0.025	0.077	2.69	0.00 - 0.50
5B-00222	20469	Pb-214	1.09	0.021	0.04	1.7	0.00 - 0.50
5B-00222	20469	Pu-236	-0.002 U	0.0072	0.001	7.79	0.00 - 0.50
5B-00222	20469	Pu-238	0.0005 U	0.008	0.0019	0.0415	0.00 - 0.50
5B-00222	20469	Pu-239/240	0.0068	0.0063	0.0028	0.0404	0.00 - 0.50
5B-00222	20469	Pu-244	0.0017 U	0.0024	0.0012	0.0313	0.00 - 0.50
5B-00222	20469	Sb-125	0.14 SK	0.036	0.011	0.354	0.00 - 0.50
5B-00222	20469	Sn-126	0.0028 U	0.011	0.0034	0.0237	0.00 - 0.50
5B-00222	20469	Sr-90	0.019 U	0.057	0.017	0.485	0.00 - 0.50
5B-00222	20469	Tc-99	-0.07 U	0.33	0.099	1.63	0.00 - 0.50
5B-00222	20469	Te-125m	0.0323 SK	0.0084	0.0025	0.0838	0.00 - 0.50
5B-00222	20469	Th-228	1.11	0.015	0.057	3.98	0.00 - 0.50
5B-00222	20469	Th-229	0.0028 U	0.013	0.0037	0.145	0.00 - 0.50
5B-00222	20469	Th-230	1.39	0.01	0.068	2.2	0.00 - 0.50
5B-00222	20469	Th-232	0.95	0.007	0.049	3.1	0.00 - 0.50
5B-00222	20469	Th-234	1.49 R	0.12	0.081	3.19	0.00 - 0.50
5B-00222	20469	Tl-208	0.46	0.011	0.017	0.937	0.00 - 0.50
5B-00222	20469	Tm-171	1.2 U	3.7	1.1	72.4	0.00 - 0.50
5B-00222	20469	U-233/234	0.926	0.012	0.052	2.02	0.00 - 0.50
5B-00222	20469	U-235/236	0.0418	0.012	0.0087	0.151	0.00 - 0.50
5B-00222	20469	U-238	0.889	0.003	0.05	1.8	0.00 - 0.50
5B-00223	20470	Ac-227	0.097	0.092	0.018	0.217	1.00 - 5.00
5B-00223	20470	Ac-228	1.21	0.063	0.042	2.4	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00223	20470	Am-241	0.0028	0.0026	0.0016	0.0454	1.00 - 5.00
5B-00223	20470	Bi-212	1.09	0.11	0.078	2.15	1.00 - 5.00
5B-00223	20470	Bi-214	0.846	0.023	0.033	1.59	1.00 - 5.00
5B-00223	20470	C-14	0.0039 U	0.025	0.0077	2.96	1.00 - 5.00
5B-00223	20470	Cd-113m	-5.6 U	32	9.5	3030	1.00 - 5.00
5B-00223	20470	Cm-243/244	0.0019 U	0.0025	0.0013	0.0443	1.00 - 5.00
5B-00223	20470	Cm-245/246	0.0024	0.0059	0.0018	0.0401	1.00 - 5.00
5B-00223	20470	Cm-247/248	0.0008 U	0.0058	0.0014	0.0306	1.00 - 5.00
5B-00223	20470	Co-60	-0.004 U	0.015	0.0044	0.028	1.00 - 5.00
5B-00223	20470	Cs-134	0.0219 U	0.045	0.0041	0.0864	1.00 - 5.00
5B-00223	20470	Cs-137	0.0394	0.0094	0.0046	0.207	1.00 - 5.00
5B-00223	20470	Eu-152	0.0155	0.022	0.0083	0.0566	1.00 - 5.00
5B-00223	20470	Eu-154	0.0056 U	0.059	0.0068	0.15	1.00 - 5.00
5B-00223	20470	Eu-155	0.072 SK	0.028	0.012	0.231	1.00 - 5.00
5B-00223	20470	Ho-166m	0.0069 U	0.019	0.0051	0.0432	1.00 - 5.00
5B-00223	20470	K-40	20	0.12	0.66	32.4	1.00 - 5.00
5B-00223	20470	Na-22	-1E-04 U	0.019	0.0058	0.037	1.00 - 5.00
5B-00223	20470	Nb-94	0.0039 U	0.011	0.0034	0.0214	1.00 - 5.00
5B-00223	20470	Ni-59	0 U	0.12	0.034	5.96	1.00 - 5.00
5B-00223	20470	Ni-63	-0.15 U	0.45	0.13	4.92	1.00 - 5.00
5B-00223	20470	Np-236	0.0016 U	0.026	0.0078	0.047	1.00 - 5.00
5B-00223	20470	Np-239	-0.012 U	0.075	0.023	0.139	1.00 - 5.00
5B-00223	20470	Pa-231	0.006 U	0.44	0.13	0.936	1.00 - 5.00
5B-00223	20470	Pb-212	1.56	0.02	0.082	2.69	1.00 - 5.00
5B-00223	20470	Pb-214	0.957	0.022	0.036	1.7	1.00 - 5.00
5B-00223	20470	Pu-238	0.0013 U	0.0075	0.0019	0.0415	1.00 - 5.00
5B-00223	20470	Pu-239/240	0.0049	0.0022	0.002	0.0404	1.00 - 5.00
5B-00223	20470	Pu-244	0 U	0.0022	0.0005	0.0313	1.00 - 5.00
5B-00223	20470	Sb-125	0.132 SK	0.034	0.009	0.354	1.00 - 5.00
5B-00223	20470	Sn-126	-0.004 U	0.013	0.0038	0.0237	1.00 - 5.00
5B-00223	20470	Sr-90	0.01 U	0.034	0.01	0.485	1.00 - 5.00
5B-00223	20470	Tc-99	-0.019 U	0.29	0.087	1.63	1.00 - 5.00
5B-00223	20470	Te-125m	0.0306 SK	0.0079	0.0021	0.0838	1.00 - 5.00
5B-00223	20470	Th-228	1.29	0.019	0.065	3.98	1.00 - 5.00
5B-00223	20470	Th-229	0.0087	0.008	0.0033	0.145	1.00 - 5.00
5B-00223	20470	Th-230	1.02	0.007	0.053	2.2	1.00 - 5.00
5B-00223	20470	Th-232	1.24	0.003	0.062	3.1	1.00 - 5.00
5B-00223	20470	Th-234	1.53 R	0.13	0.084	3.19	1.00 - 5.00
5B-00223	20470	Tl-208	0.466	0.015	0.019	0.937	1.00 - 5.00
5B-00223	20470	Tm-171	0.1 U	5.3	1.6	72.4	1.00 - 5.00
5B-00223	20470	U-233/234	0.669	0.003	0.038	2.02	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00223	20470	U-235/236	0.0282	0.011	0.0064	0.151	1.00 - 5.00
5B-00223	20470	U-238	0.71	0.003	0.039	1.8	1.00 - 5.00
5B-00223	20471	Ac-227	0.017 U	0.1	0.025	0.217	0.00 - 0.50
5B-00223	20471	Ac-228	1.31	0.054	0.044	2.4	0.00 - 0.50
5B-00223	20471	Am-241	0 U	0.0084	0.0017	0.0454	0.00 - 0.50
5B-00223	20471	Bi-212	1.11	0.1	0.068	2.15	0.00 - 0.50
5B-00223	20471	Bi-214	1.1	0.018	0.039	1.59	0.00 - 0.50
5B-00223	20471	C-14	0.06 J	0.058	0.018	2.96	0.00 - 0.50
5B-00223	20471	Cd-113m	4 U	34	10	3030	0.00 - 0.50
5B-00223	20471	Cm-243/244	-0.002 U	0.01	0.0018	0.0443	0.00 - 0.50
5B-00223	20471	Cm-245/246	0.0039	0.0026	0.0019	0.0401	0.00 - 0.50
5B-00223	20471	Cm-247/248	0.001 U	0.0026	0.001	0.0306	0.00 - 0.50
5B-00223	20471	Co-60	0.0054 U	0.013	0.0031	0.028	0.00 - 0.50
5B-00223	20471	Cs-134	0.0055 U	0.041	0.0016	0.0864	0.00 - 0.50
5B-00223	20471	Cs-137	0.813 Y	0.011	0.029	0.207	0.00 - 0.50
5B-00223	20471	Eu-152	-0.017 U J	0.026	0.0081	0.0566	0.00 - 0.50
5B-00223	20471	Eu-154	-0.021 U	0.069	0.021	0.15	0.00 - 0.50
5B-00223	20471	Eu-155	0.084 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00223	20471	Ho-166m	0.0081 U	0.017	0.005	0.0432	0.00 - 0.50
5B-00223	20471	K-40	17.7	0.1	0.58	32.4	0.00 - 0.50
5B-00223	20471	Na-22	0.0007 U	0.016	0.0047	0.037	0.00 - 0.50
5B-00223	20471	Nb-94	0.0072 SK	0.0099	0.003	0.0214	0.00 - 0.50
5B-00223	20471	Ni-59	0 U	0.24	0.061	5.96	0.00 - 0.50
5B-00223	20471	Ni-63	0.19 U	0.75	0.24	4.92	0.00 - 0.50
5B-00223	20471	Np-236	-0.01 U	0.025	0.0076	0.047	0.00 - 0.50
5B-00223	20471	Np-239	-0.011 U	0.073	0.022	0.139	0.00 - 0.50
5B-00223	20471	Pa-231	0.069 U	0.48	0.061	0.936	0.00 - 0.50
5B-00223	20471	Pb-212	1.74	0.024	0.092	2.69	0.00 - 0.50
5B-00223	20471	Pb-214	1.27	0.023	0.046	1.7	0.00 - 0.50
5B-00223	20471	Pu-236	0 U	0.0024	0.0008	7.79	0.00 - 0.50
5B-00223	20471	Pu-238	0.0018	0.0024	0.0013	0.0415	0.00 - 0.50
5B-00223	20471	Pu-239/240	0.0134	0.0024	0.0035	0.0404	0.00 - 0.50
5B-00223	20471	Pu-244	0.0036	0.0024	0.0018	0.0313	0.00 - 0.50
5B-00223	20471	Sb-125	0.124 SK	0.037	0.009	0.354	0.00 - 0.50
5B-00223	20471	Sn-126	0.0001 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00223	20471	Sr-90	-9E-04 U	0.046	0.013	0.485	0.00 - 0.50
5B-00223	20471	Tc-99	-0.12 U	0.34	0.1	1.63	0.00 - 0.50
5B-00223	20471	Te-125m	0.0286 SK	0.0085	0.0021	0.0838	0.00 - 0.50
5B-00223	20471	Th-228	1.42	0.027	0.074	3.98	0.00 - 0.50
5B-00223	20471	Th-229	0.0077	0.0072	0.003	0.145	0.00 - 0.50
5B-00223	20471	Th-230	1.93	0.014	0.095	2.2	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00223	20471	Th-232	1.24	0.009	0.066	3.1	0.00 - 0.50
5B-00223	20471	Th-234	2.21 R	0.13	0.11	3.19	0.00 - 0.50
5B-00223	20471	Tl-208	0.537	0.013	0.02	0.937	0.00 - 0.50
5B-00223	20471	Tm-171	-6.5 R U J	4.7	1.5	72.4	0.00 - 0.50
5B-00223	20471	U-233/234	1.59	0.003	0.078	2.02	0.00 - 0.50
5B-00223	20471	U-235/236	0.0574	0.0035	0.0089	0.151	0.00 - 0.50
5B-00223	20471	U-238	1.33	0.003	0.067	1.8	0.00 - 0.50
5B-00224	20472	Ac-227	0.055 U	0.12	0.013	0.217	1.00 - 5.00
5B-00224	20472	Ac-228	1.04	0.072	0.053	2.4	1.00 - 5.00
5B-00224	20472	Am-241	0.0024 U	0.0074	0.0022	0.0454	1.00 - 5.00
5B-00224	20472	Bi-212	1.01	0.1	0.066	2.15	1.00 - 5.00
5B-00224	20472	Bi-214	0.836	0.021	0.032	1.59	1.00 - 5.00
5B-00224	20472	C-14	0.0087 U	0.026	0.0078	2.96	1.00 - 5.00
5B-00224	20472	Cd-113m	0.21 U	33	9.98	3030	1.00 - 5.00
5B-00224	20472	Cm-243/244	0.0016 U	0.0021	0.0011	0.0443	1.00 - 5.00
5B-00224	20472	Cm-245/246	0.0009 U	0.0064	0.0015	0.0401	1.00 - 5.00
5B-00224	20472	Cm-247/248	0.0009 U	0.0023	0.0009	0.0306	1.00 - 5.00
5B-00224	20472	Co-60	0.0016 U	0.014	0.0034	0.028	1.00 - 5.00
5B-00224	20472	Cs-134	0.011 U	0.036	0.0036	0.0864	1.00 - 5.00
5B-00224	20472	Cs-137	0.0171	0.009	0.0039	0.207	1.00 - 5.00
5B-00224	20472	Eu-152	-5E-04 U	0.03	0.009	0.0566	1.00 - 5.00
5B-00224	20472	Eu-154	-0.034 U	0.077	0.023	0.15	1.00 - 5.00
5B-00224	20472	Eu-155	0.068 SK	0.031	0.013	0.231	1.00 - 5.00
5B-00224	20472	Ho-166m	0.0254 SK	0.019	0.0053	0.0432	1.00 - 5.00
5B-00224	20472	K-40	19.5	0.14	0.65	32.4	1.00 - 5.00
5B-00224	20472	Na-22	0.0033 U	0.018	0.0054	0.037	1.00 - 5.00
5B-00224	20472	Nb-94	0.0033 U	0.01	0.0032	0.0214	1.00 - 5.00
5B-00224	20472	Ni-59	0 U	0.14	0.038	5.96	1.00 - 5.00
5B-00224	20472	Ni-63	-0.1 U	0.49	0.15	4.92	1.00 - 5.00
5B-00224	20472	Np-236	-0.002 U	0.027	0.008	0.047	1.00 - 5.00
5B-00224	20472	Np-239	0 U	0.073	0.017	0.139	1.00 - 5.00
5B-00224	20472	Pa-231	0.08 U	0.47	0.14	0.936	1.00 - 5.00
5B-00224	20472	Pb-212	1.54	0.02	0.081	2.69	1.00 - 5.00
5B-00224	20472	Pb-214	0.948	0.023	0.036	1.7	1.00 - 5.00
5B-00224	20472	Pu-238	0.001 U	0.0044	0.0011	0.0415	1.00 - 5.00
5B-00224	20472	Pu-239/240	0.0022	0.002	0.0013	0.0404	1.00 - 5.00
5B-00224	20472	Pu-244	0.0022	0.002	0.0013	0.0313	1.00 - 5.00
5B-00224	20472	Sb-125	0.114 SK	0.029	0.0082	0.354	1.00 - 5.00
5B-00224	20472	Sn-126	0.0032 U	0.0095	0.0029	0.0237	1.00 - 5.00
5B-00224	20472	Sr-90	0.013 U	0.041	0.012	0.485	1.00 - 5.00
5B-00224	20472	Tc-99	-0.066 U	0.32	0.097	1.63	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00224	20472	Te-125m	0.0263 SK	0.0067	0.0019	0.0838	1.00 - 5.00
5B-00224	20472	Th-228	1.38	0.023	0.069	3.98	1.00 - 5.00
5B-00224	20472	Th-229	0.0038	0.0034	0.0022	0.145	1.00 - 5.00
5B-00224	20472	Th-230	1.07	0.008	0.056	2.2	1.00 - 5.00
5B-00224	20472	Th-232	1.29	0.006	0.065	3.1	1.00 - 5.00
5B-00224	20472	Th-234	0.36 R	0.14	0.046	3.19	1.00 - 5.00
5B-00224	20472	Tl-208	0.452	0.014	0.018	0.937	1.00 - 5.00
5B-00224	20472	Tm-171	3.9	5.1	1.6	72.4	1.00 - 5.00
5B-00224	20472	U-233/234	0.879	0.002	0.045	2.02	1.00 - 5.00
5B-00224	20472	U-235/236	0.0408	0.0027	0.0066	0.151	1.00 - 5.00
5B-00224	20472	U-238	0.841	0.006	0.044	1.8	1.00 - 5.00
5B-00224	20473	Ac-227	0.035 U	0.15	0.054	0.217	0.00 - 0.50
5B-00224	20473	Ac-228	1.27	0.08	0.044	2.4	0.00 - 0.50
5B-00224	20473	Am-241	0.0032	0.0029	0.0019	0.0454	0.00 - 0.50
5B-00224	20473	Bi-212	1.08	0.12	0.071	2.15	0.00 - 0.50
5B-00224	20473	Bi-214	1.08	0.027	0.037	1.59	0.00 - 0.50
5B-00224	20473	C-14	0.173 R	0.2	0.062	2.96	0.00 - 0.50
5B-00224	20473	Cd-113m	-2.4 U	30	9	3030	0.00 - 0.50
5B-00224	20473	Cm-243/244	0 U	0.0028	0.0012	0.0443	0.00 - 0.50
5B-00224	20473	Cm-245/246	0.0026	0.006	0.0019	0.0401	0.00 - 0.50
5B-00224	20473	Cm-247/248	0 U	0.0017	0.0007	0.0306	0.00 - 0.50
5B-00224	20473	Co-60	0.0016 U	0.018	0.0019	0.028	0.00 - 0.50
5B-00224	20473	Cs-134	0.0118 U	0.052	0.0045	0.0864	0.00 - 0.50
5B-00224	20473	Cs-137	0.911 Y	0.015	0.03	0.207	0.00 - 0.50
5B-00224	20473	Eu-152	-0.011 U	0.038	0.011	0.0566	0.00 - 0.50
5B-00224	20473	Eu-154	-0.032 U	0.099	0.03	0.15	0.00 - 0.50
5B-00224	20473	Eu-155	0.092 SK	0.038	0.016	0.231	0.00 - 0.50
5B-00224	20473	Ho-166m	0.0046 U	0.023	0.0046	0.0432	0.00 - 0.50
5B-00224	20473	K-40	18.6	0.15	0.56	32.4	0.00 - 0.50
5B-00224	20473	Na-22	0.0005 U	0.022	0.0067	0.037	0.00 - 0.50
5B-00224	20473	Nb-94	0.0052 U	0.013	0.004	0.0214	0.00 - 0.50
5B-00224	20473	Ni-59	0 U	0.17	0.044	5.96	0.00 - 0.50
5B-00224	20473	Ni-63	-0.06 U	0.6	0.18	4.92	0.00 - 0.50
5B-00224	20473	Np-236	-9E-04 U	0.031	0.0094	0.047	0.00 - 0.50
5B-00224	20473	Np-239	0.005 U	0.087	0.026	0.139	0.00 - 0.50
5B-00224	20473	Pa-231	-0.08 U	0.6	0.18	0.936	0.00 - 0.50
5B-00224	20473	Pb-212	1.59	0.029	0.049	2.69	0.00 - 0.50
5B-00224	20473	Pb-214	1.17	0.028	0.05	1.7	0.00 - 0.50
5B-00224	20473	Pu-236	0 U	0.0022	0.0007	7.79	0.00 - 0.50
5B-00224	20473	Pu-238	0.0024	0.0022	0.0014	0.0415	0.00 - 0.50
5B-00224	20473	Pu-239/240	0.0049	0.0022	0.002	0.0404	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00224	20473	Pu-244	0.0032	0.0022	0.0016	0.0313	0.00 - 0.50
5B-00224	20473	Sb-125	0.128 SK	0.047	0.012	0.354	0.00 - 0.50
5B-00224	20473	Sn-126	-0.004 U	0.015	0.0046	0.0237	0.00 - 0.50
5B-00224	20473	Sr-90	0.009 U	0.053	0.016	0.485	0.00 - 0.50
5B-00224	20473	Tc-99	-0.15 U	0.4	0.12	1.63	0.00 - 0.50
5B-00224	20473	Te-125m	0.0296 SK	0.011	0.0028	0.0838	0.00 - 0.50
5B-00224	20473	Th-228	1.19	0.025	0.062	3.98	0.00 - 0.50
5B-00224	20473	Th-229	0.007	0.0094	0.0033	0.145	0.00 - 0.50
5B-00224	20473	Th-230	2.01	0.01	0.097	2.2	0.00 - 0.50
5B-00224	20473	Th-232	1.13	0.008	0.059	3.1	0.00 - 0.50
5B-00224	20473	Th-234	1.96 R	0.16	0.093	3.19	0.00 - 0.50
5B-00224	20473	Tl-208	0.542	0.019	0.02	0.937	0.00 - 0.50
5B-00224	20473	Tm-171	-7.3 R U J	5.9	1.8	72.4	0.00 - 0.50
5B-00224	20473	U-233/234	1.59	0.009	0.081	2.02	0.00 - 0.50
5B-00224	20473	U-235/236	0.088	0.004	0.012	0.151	0.00 - 0.50
5B-00224	20473	U-238	1.44	0.003	0.074	1.8	0.00 - 0.50
5B-00225	20474	Ac-227	0.049 U	0.1	0.022	0.217	1.00 - 3.00
5B-00225	20474	Ac-228	1.13	0.079	0.039	2.4	1.00 - 3.00
5B-00225	20474	Am-241	0 U	0.0082	0.0017	0.0454	1.00 - 3.00
5B-00225	20474	Bi-212	0.879	0.12	0.067	2.15	1.00 - 3.00
5B-00225	20474	Bi-214	0.805	0.023	0.029	1.59	1.00 - 3.00
5B-00225	20474	C-14	0.04	0.048	0.015	2.96	1.00 - 3.00
5B-00225	20474	Cd-113m	5 U	36	11	3030	1.00 - 3.00
5B-00225	20474	Cm-243/244	-0.001 U	0.008	0.0012	0.0443	1.00 - 3.00
5B-00225	20474	Cm-245/246	0.0027 J	0.0036	0.0019	0.0401	1.00 - 3.00
5B-00225	20474	Cm-247/248	0 U	0.0036	0.0011	0.0306	1.00 - 3.00
5B-00225	20474	Co-60	-0.002 U	0.018	0.0053	0.028	1.00 - 3.00
5B-00225	20474	Cs-134	-0.012 U J	0.015	0.0045	0.0864	1.00 - 3.00
5B-00225	20474	Cs-137	0.0186	0.015	0.0062	0.207	1.00 - 3.00
5B-00225	20474	Eu-152	0.009 U	0.035	0.011	0.0566	1.00 - 3.00
5B-00225	20474	Eu-154	0.01 U	0.096	0.012	0.15	1.00 - 3.00
5B-00225	20474	Eu-155	0.066 SK	0.03	0.011	0.231	1.00 - 3.00
5B-00225	20474	Ho-166m	0.0012 U L,R	0.023	0.0016	0.0432	1.00 - 3.00
5B-00225	20474	K-40	17.9	0.14	0.54	32.4	1.00 - 3.00
5B-00225	20474	Na-22	0.0185 L	0.018	0.0088	0.037	1.00 - 3.00
5B-00225	20474	Nb-94	0.0051 U	0.013	0.004	0.0214	1.00 - 3.00
5B-00225	20474	Ni-59	0 U	0.66	0.19	5.96	1.00 - 3.00
5B-00225	20474	Ni-63	0.11 U	0.83	0.25	4.92	1.00 - 3.00
5B-00225	20474	Np-236	0.005 U	0.027	0.0082	0.047	1.00 - 3.00
5B-00225	20474	Np-239	-2E-04 U	0.081	0.024	0.139	1.00 - 3.00
5B-00225	20474	Pa-231	0.03 U	0.52	0.16	0.936	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00225	20474	Pb-212	1.39	0.021	0.057	2.69	1.00 - 3.00
5B-00225	20474	Pb-214	0.913	0.026	0.032	1.7	1.00 - 3.00
5B-00225	20474	Pu-236	-0.002 U	0.0078	0.0012	7.79	1.00 - 3.00
5B-00225	20474	Pu-238	0.001 U	0.0071	0.0018	0.0415	1.00 - 3.00
5B-00225	20474	Pu-239/240	0.0003 U	0.0051	0.001	0.0404	1.00 - 3.00
5B-00225	20474	Pu-244	0 U	0.0023	0.0007	0.0313	1.00 - 3.00
5B-00225	20474	Sb-125	0.002 U	0.039	0.0022	0.354	1.00 - 3.00
5B-00225	20474	Sn-126	-0.002 U	0.015	0.0046	0.0237	1.00 - 3.00
5B-00225	20474	Sr-90	-0.008 U	0.05	0.014	0.485	1.00 - 3.00
5B-00225	20474	Tc-99	-0.018 U	0.28	0.083	1.63	1.00 - 3.00
5B-00225	20474	Te-125m	0.0005 U	0.009	0.0005	0.0838	1.00 - 3.00
5B-00225	20474	Th-228	1.25	0.02	0.063	3.98	1.00 - 3.00
5B-00225	20474	Th-229	0 U	0.012	0.0029	0.145	1.00 - 3.00
5B-00225	20474	Th-230	0.989	0.009	0.052	2.2	1.00 - 3.00
5B-00225	20474	Th-232	1.18	0.007	0.06	3.1	1.00 - 3.00
5B-00225	20474	Th-234	1.51 R	0.14	0.079	3.19	1.00 - 3.00
5B-00225	20474	Tl-208	0.449	0.017	0.017	0.937	1.00 - 3.00
5B-00225	20474	Tm-171	0.4 U	4.1	1.2	72.4	1.00 - 3.00
5B-00225	20474	U-233/234	1.19	0.01	0.06	2.02	1.00 - 3.00
5B-00225	20474	U-235/236	0.0558	0.0084	0.0085	0.151	1.00 - 3.00
5B-00225	20474	U-238	1.16	0.002	0.058	1.8	1.00 - 3.00
5B-00225	20475	Ac-227	0.026 U	0.12	0.04	0.217	0.00 - 0.50
5B-00225	20475	Ac-228	1.1	0.055	0.038	2.4	0.00 - 0.50
5B-00225	20475	Am-241	0.0022 U	0.003	0.0016	0.0454	0.00 - 0.50
5B-00225	20475	Bi-212	0.968	0.12	0.076	2.15	0.00 - 0.50
5B-00225	20475	Bi-214	0.953	0.021	0.035	1.59	0.00 - 0.50
5B-00225	20475	C-14	0.065	0.05	0.016	2.96	0.00 - 0.50
5B-00225	20475	Cd-113m	-4 U	33	10	3030	0.00 - 0.50
5B-00225	20475	Cm-243/244	0 U	0.003	0.0012	0.0443	0.00 - 0.50
5B-00225	20475	Cm-245/246	0.0038	0.0056	0.0021	0.0401	0.00 - 0.50
5B-00225	20475	Cm-247/248	-0.002 U	0.0069	0.0012	0.0306	0.00 - 0.50
5B-00225	20475	Co-60	-0.002 U	0.014	0.004	0.028	0.00 - 0.50
5B-00225	20475	Cs-134	0.0118 U	0.039	0.0029	0.0864	0.00 - 0.50
5B-00225	20475	Cs-137	0.313 Y	0.011	0.013	0.207	0.00 - 0.50
5B-00225	20475	Eu-152	-0.009 U	0.027	0.008	0.0566	0.00 - 0.50
5B-00225	20475	Eu-154	0.0079 U	0.071	0.0093	0.15	0.00 - 0.50
5B-00225	20475	Eu-155	0.064 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00225	20475	Ho-166m	0.0043 U	0.018	0.0026	0.0432	0.00 - 0.50
5B-00225	20475	K-40	19.2	0.13	0.64	32.4	0.00 - 0.50
5B-00225	20475	Na-22	0.0035 U	0.017	0.0052	0.037	0.00 - 0.50
5B-00225	20475	Nb-94	0.0008 U	0.01	0.0018	0.0214	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00225	20475	Ni-59	0 U	0.22	0.056	5.96	0.00 - 0.50
5B-00225	20475	Ni-63	-0.1 U	0.61	0.19	4.92	0.00 - 0.50
5B-00225	20475	Np-236	-0.004 U	0.025	0.0076	0.047	0.00 - 0.50
5B-00225	20475	Np-239	0.005 U	0.071	0.021	0.139	0.00 - 0.50
5B-00225	20475	Pa-231	-0.1 U	0.47	0.14	0.936	0.00 - 0.50
5B-00225	20475	Pb-212	1.43	0.027	0.076	2.69	0.00 - 0.50
5B-00225	20475	Pb-214	1.06	0.02	0.039	1.7	0.00 - 0.50
5B-00225	20475	Pu-236	0.0008 U	0.0023	0.0008	7.79	0.00 - 0.50
5B-00225	20475	Pu-238	-0.001 U	0.0077	0.0014	0.0415	0.00 - 0.50
5B-00225	20475	Pu-239/240	0.005	0.0023	0.0021	0.0404	0.00 - 0.50
5B-00225	20475	Pu-244	0.0025	0.0023	0.0014	0.0313	0.00 - 0.50
5B-00225	20475	Sb-125	0.128 SK	0.035	0.0099	0.354	0.00 - 0.50
5B-00225	20475	Sn-126	0.0019 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00225	20475	Sr-90	0.015 U	0.052	0.016	0.485	0.00 - 0.50
5B-00225	20475	Tc-99	-0.055 U	0.27	0.081	1.63	0.00 - 0.50
5B-00225	20475	Te-125m	0.0296 SK	0.008	0.0023	0.0838	0.00 - 0.50
5B-00225	20475	Th-228	1.15	0.024	0.06	3.98	0.00 - 0.50
5B-00225	20475	Th-229	0.0077	0.0057	0.0027	0.145	0.00 - 0.50
5B-00225	20475	Th-230	1.05	0.012	0.056	2.2	0.00 - 0.50
5B-00225	20475	Th-232	1.16	0.003	0.06	3.1	0.00 - 0.50
5B-00225	20475	Th-234	1.39 R	0.12	0.078	3.19	0.00 - 0.50
5B-00225	20475	Tl-208	0.464	0.014	0.018	0.937	0.00 - 0.50
5B-00225	20475	Tm-171	0.3 U	4.1	1.2	72.4	0.00 - 0.50
5B-00225	20475	U-233/234	1.01	0.011	0.055	2.02	0.00 - 0.50
5B-00225	20475	U-235/236	0.0422	0.0041	0.0082	0.151	0.00 - 0.50
5B-00225	20475	U-238	0.918	0.009	0.051	1.8	0.00 - 0.50
5B-00226	20476	Ac-227	0.116	0.096	0.038	0.217	1.00 - 2.50
5B-00226	20476	Ac-228	1.13	0.076	0.043	2.4	1.00 - 2.50
5B-00226	20476	Am-241	0.0023 U	0.0031	0.0016	0.0454	1.00 - 2.50
5B-00226	20476	Bi-212	0.926	0.13	0.08	2.15	1.00 - 2.50
5B-00226	20476	Bi-214	0.818	0.022	0.029	1.59	1.00 - 2.50
5B-00226	20476	C-14	0.0197	0.032	0.0099	2.96	1.00 - 2.50
5B-00226	20476	Cd-113m	4 U	37	11	3030	1.00 - 2.50
5B-00226	20476	Cm-243/244	0.0034	0.003	0.002	0.0443	1.00 - 2.50
5B-00226	20476	Cm-245/246	0.005	0.0034	0.0025	0.0401	1.00 - 2.50
5B-00226	20476	Cm-247/248	0.0062	0.0033	0.0028	0.0306	1.00 - 2.50
5B-00226	20476	Co-60	0.0018 U	0.017	0.005	0.028	1.00 - 2.50
5B-00226	20476	Cs-134	0.01 U	0.043	0.0055	0.0864	1.00 - 2.50
5B-00226	20476	Cs-137	0.0304	0.011	0.0049	0.207	1.00 - 2.50
5B-00226	20476	Eu-152	0.0146	0.024	0.0095	0.0566	1.00 - 2.50
5B-00226	20476	Eu-154	0.005 U	0.09	0.027	0.15	1.00 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00226	20476	Eu-155	0.064 SK	0.029	0.012	0.231	1.00 - 2.50
5B-00226	20476	Ho-166m	0.0067 U L,R	0.022	0.0042	0.0432	1.00 - 2.50
5B-00226	20476	K-40	18.6	0.12	0.56	32.4	1.00 - 2.50
5B-00226	20476	Na-22	-0.003 U	0.021	0.0064	0.037	1.00 - 2.50
5B-00226	20476	Nb-94	0.0047 U	0.012	0.0037	0.0214	1.00 - 2.50
5B-00226	20476	Ni-59	0 U	1.1	0.27	5.96	1.00 - 2.50
5B-00226	20476	Ni-63	0.22 U	0.91	0.27	4.92	1.00 - 2.50
5B-00226	20476	Np-236	-0.005 U	0.028	0.0086	0.047	1.00 - 2.50
5B-00226	20476	Np-239	-0.015 U	0.073	0.022	0.139	1.00 - 2.50
5B-00226	20476	Pa-231	0.1 U	0.53	0.11	0.936	1.00 - 2.50
5B-00226	20476	Pb-212	1.42	0.02	0.057	2.69	1.00 - 2.50
5B-00226	20476	Pb-214	0.907	0.024	0.031	1.7	1.00 - 2.50
5B-00226	20476	Pu-236	0.0007 U	0.0063	0.0015	7.79	1.00 - 2.50
5B-00226	20476	Pu-238	0.0021 U	0.0091	0.0025	0.0415	1.00 - 2.50
5B-00226	20476	Pu-239/240	-5E-04 U	0.0051	0.0006	0.0404	1.00 - 2.50
5B-00226	20476	Pu-244	0.0002 U	0.0071	0.0016	0.0313	1.00 - 2.50
5B-00226	20476	Sb-125	0.141 JSK	0.036	0.011	0.354	1.00 - 2.50
5B-00226	20476	Sn-126	-4E-04 U	0.013	0.004	0.0237	1.00 - 2.50
5B-00226	20476	Sr-90	0.027 U	0.055	0.017	0.485	1.00 - 2.50
5B-00226	20476	Tc-99	0.002 U	0.25	0.076	1.63	1.00 - 2.50
5B-00226	20476	Te-125m	0.0325 JSK	0.0083	0.0024	0.0838	1.00 - 2.50
5B-00226	20476	Th-228	1.33	0.017	0.068	3.98	1.00 - 2.50
5B-00226	20476	Th-229	0.0075	0.014	0.0046	0.145	1.00 - 2.50
5B-00226	20476	Th-230	1.02	0.003	0.055	2.2	1.00 - 2.50
5B-00226	20476	Th-232	1.26	0.003	0.065	3.1	1.00 - 2.50
5B-00226	20476	Th-234	0.376 R	0.14	0.045	3.19	1.00 - 2.50
5B-00226	20476	Tl-208	0.433	0.013	0.015	0.937	1.00 - 2.50
5B-00226	20476	Tm-171	-2.8 U	4.7	1.4	72.4	1.00 - 2.50
5B-00226	20476	U-233/234	0.837	0.01	0.046	2.02	1.00 - 2.50
5B-00226	20476	U-235/236	0.0384	0.012	0.0076	0.151	1.00 - 2.50
5B-00226	20476	U-238	0.799	0.01	0.044	1.8	1.00 - 2.50
5B-00226	20477	Ac-227	0.294 KRZ	0.1	0.016	0.217	0.00 - 0.50
5B-00226	20477	Ac-228	1.21	0.051	0.042	2.4	0.00 - 0.50
5B-00226	20477	Am-241	0.0042	0.0028	0.0021	0.0454	0.00 - 0.50
5B-00226	20477	Bi-212	1.02	0.082	0.055	2.15	0.00 - 0.50
5B-00226	20477	Bi-214	0.854	0.017	0.031	1.59	0.00 - 0.50
5B-00226	20477	C-14	0.039	0.048	0.015	2.96	0.00 - 0.50
5B-00226	20477	Cd-113m	4.9 U	23	6.8	3030	0.00 - 0.50
5B-00226	20477	Cm-243/244	0.001 U	0.0028	0.001	0.0443	0.00 - 0.50
5B-00226	20477	Cm-245/246	0.0025 U	0.0033	0.0017	0.0401	0.00 - 0.50
5B-00226	20477	Cm-247/248	-0.001 U	0.0089	0.0013	0.0306	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00226	20477	Co-60	0.0063 J	0.0099	0.003	0.028	0.00 - 0.50
5B-00226	20477	Cs-134	0.0155 U	0.037	0.0032	0.0864	0.00 - 0.50
5B-00226	20477	Cs-137	0.0842	0.0098	0.006	0.207	0.00 - 0.50
5B-00226	20477	Eu-152	0.0085 U	0.028	0.0065	0.0566	0.00 - 0.50
5B-00226	20477	Eu-154	0.0064 U	0.052	0.0088	0.15	0.00 - 0.50
5B-00226	20477	Eu-155	0.072 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00226	20477	Ho-166m	0.0289 SK	0.017	0.0032	0.0432	0.00 - 0.50
5B-00226	20477	K-40	19.8	0.09	0.65	32.4	0.00 - 0.50
5B-00226	20477	Na-22	0.0028 U	0.013	0.0038	0.037	0.00 - 0.50
5B-00226	20477	Nb-94	0.0042 U	0.0094	0.0029	0.0214	0.00 - 0.50
5B-00226	20477	Ni-59	0 U	0.21	0.054	5.96	0.00 - 0.50
5B-00226	20477	Ni-63	0.09 U	0.68	0.22	4.92	0.00 - 0.50
5B-00226	20477	Np-236	-1E-04 U	0.02	0.006	0.047	0.00 - 0.50
5B-00226	20477	Np-239	-0.016 U	0.068	0.021	0.139	0.00 - 0.50
5B-00226	20477	Pa-231	-8E-04 U	0.42	0.13	0.936	0.00 - 0.50
5B-00226	20477	Pb-212	1.46	0.022	0.077	2.69	0.00 - 0.50
5B-00226	20477	Pb-214	0.988	0.018	0.036	1.7	0.00 - 0.50
5B-00226	20477	Pu-236	0 U	0.0027	0.0009	7.79	0.00 - 0.50
5B-00226	20477	Pu-238	0.0004 U	0.006	0.0012	0.0415	0.00 - 0.50
5B-00226	20477	Pu-239/240	0.0034	0.006	0.0021	0.0404	0.00 - 0.50
5B-00226	20477	Pu-244	0 U	0.0027	0.0009	0.0313	0.00 - 0.50
5B-00226	20477	Sb-125	0.117 SK	0.031	0.0074	0.354	0.00 - 0.50
5B-00226	20477	Sn-126	0.0005 U	0.0082	0.0024	0.0237	0.00 - 0.50
5B-00226	20477	Sr-90	0.001 U	0.054	0.015	0.485	0.00 - 0.50
5B-00226	20477	Tc-99	-0.082 U	0.28	0.084	1.63	0.00 - 0.50
5B-00226	20477	Te-125m	0.0271 SK	0.0072	0.0017	0.0838	0.00 - 0.50
5B-00226	20477	Th-228	1.18	0.016	0.061	3.98	0.00 - 0.50
5B-00226	20477	Th-229	0.0091	0.011	0.004	0.145	0.00 - 0.50
5B-00226	20477	Th-230	0.96	0.003	0.051	2.2	0.00 - 0.50
5B-00226	20477	Th-232	1.18	0.008	0.06	3.1	0.00 - 0.50
5B-00226	20477	Th-234	1.38 R	0.12	0.076	3.19	0.00 - 0.50
5B-00226	20477	Tl-208	0.469	0.013	0.018	0.937	0.00 - 0.50
5B-00226	20477	Tm-171	0.4 U	3.5	1.1	72.4	0.00 - 0.50
5B-00226	20477	U-233/234	0.748	0.009	0.043	2.02	0.00 - 0.50
5B-00226	20477	U-235/236	0.0391	0.011	0.008	0.151	0.00 - 0.50
5B-00226	20477	U-238	0.776	0.011	0.044	1.8	0.00 - 0.50
5B-00227	20478	Ac-227	0.049 U	0.11	0.038	0.217	1.00 - 3.50
5B-00227	20478	Ac-228	1.37	0.055	0.044	2.4	1.00 - 3.50
5B-00227	20478	Am-241	0.0007 U	0.0069	0.0017	0.0454	1.00 - 3.50
5B-00227	20478	Bi-212	1.11	0.098	0.064	2.15	1.00 - 3.50
5B-00227	20478	Bi-214	0.863	0.022	0.03	1.59	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00227	20478	C-14	0.002 U	0.034	0.01	2.96	1.00 - 3.50
5B-00227	20478	Cd-113m	-6 U	33	10	3030	1.00 - 3.50
5B-00227	20478	Cm-243/244	0.0007 U	0.002	0.0007	0.0443	1.00 - 3.50
5B-00227	20478	Cm-245/246	0.0026 U	0.008	0.0023	0.0401	1.00 - 3.50
5B-00227	20478	Cm-247/248	0.0008 U	0.0062	0.0015	0.0306	1.00 - 3.50
5B-00227	20478	Co-60	0.0019 U	0.014	0.0032	0.028	1.00 - 3.50
5B-00227	20478	Cs-134	0.0122 U	0.036	0.0026	0.0864	1.00 - 3.50
5B-00227	20478	Cs-137	0.0208	0.01	0.005	0.207	1.00 - 3.50
5B-00227	20478	Eu-152	-0.008 U	0.031	0.0093	0.0566	1.00 - 3.50
5B-00227	20478	Eu-154	-0.008 U	0.071	0.021	0.15	1.00 - 3.50
5B-00227	20478	Eu-155	0.095 SK	0.029	0.012	0.231	1.00 - 3.50
5B-00227	20478	Ho-166m	0.0048 U	0.013	0.005	0.0432	1.00 - 3.50
5B-00227	20478	K-40	19.7	0.12	0.59	32.4	1.00 - 3.50
5B-00227	20478	Na-22	-1E-04 U	0.018	0.0053	0.037	1.00 - 3.50
5B-00227	20478	Nb-94	0.002 U	0.011	0.0032	0.0214	1.00 - 3.50
5B-00227	20478	Ni-59	0 U	0.13	0.037	5.96	1.00 - 3.50
5B-00227	20478	Ni-63	-0.16 U	0.52	0.15	4.92	1.00 - 3.50
5B-00227	20478	Np-236	-6E-04 U	0.025	0.0077	0.047	1.00 - 3.50
5B-00227	20478	Np-239	-0.001 U	0.071	0.021	0.139	1.00 - 3.50
5B-00227	20478	Pa-231	-0.06 U	0.48	0.14	0.936	1.00 - 3.50
5B-00227	20478	Pb-212	1.78	0.02	0.072	2.69	1.00 - 3.50
5B-00227	20478	Pb-214	0.965	0.023	0.032	1.7	1.00 - 3.50
5B-00227	20478	Pu-238	0.0007 U	0.007	0.0017	0.0415	1.00 - 3.50
5B-00227	20478	Pu-239/240	0.0014	0.0019	0.001	0.0404	1.00 - 3.50
5B-00227	20478	Pu-244	0.0021	0.0019	0.0012	0.0313	1.00 - 3.50
5B-00227	20478	Sb-125	0.165 SK	0.029	0.01	0.354	1.00 - 3.50
5B-00227	20478	Sn-126	0.001 U	0.012	0.0036	0.0237	1.00 - 3.50
5B-00227	20478	Sr-90	-0.018 U	0.044	0.012	0.485	1.00 - 3.50
5B-00227	20478	Tc-99	-0.067 U	0.29	0.087	1.63	1.00 - 3.50
5B-00227	20478	Te-125m	0.0381 SK	0.0066	0.0024	0.0838	1.00 - 3.50
5B-00227	20478	Th-228	1.31	0.018	0.065	3.98	1.00 - 3.50
5B-00227	20478	Th-229	0.0073	0.014	0.0044	0.145	1.00 - 3.50
5B-00227	20478	Th-230	0.992	0.007	0.051	2.2	1.00 - 3.50
5B-00227	20478	Th-232	1.39	0.002	0.068	3.1	1.00 - 3.50
5B-00227	20478	Th-234	1.64 R	0.13	0.081	3.19	1.00 - 3.50
5B-00227	20478	Tl-208	0.54	0.015	0.019	0.937	1.00 - 3.50
5B-00227	20478	Tm-171	-2.9 U	5	1.5	72.4	1.00 - 3.50
5B-00227	20478	U-233/234	0.915	0.006	0.047	2.02	1.00 - 3.50
5B-00227	20478	U-235/236	0.0567	0.0075	0.0081	0.151	1.00 - 3.50
5B-00227	20478	U-238	0.925	0.008	0.048	1.8	1.00 - 3.50
5B-00227	20479	Ac-227	0.025 U	0.12	0.034	0.217	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00227	20479	Ac-228	1.27	0.059	0.045	2.4	0.00 - 0.50
5B-00227	20479	Am-241	0.0032	0.0029	0.0019	0.0454	0.00 - 0.50
5B-00227	20479	Bi-212	0.983	0.1	0.065	2.15	0.00 - 0.50
5B-00227	20479	Bi-214	0.752	0.02	0.029	1.59	0.00 - 0.50
5B-00227	20479	C-14	0.045 J	0.058	0.018	2.96	0.00 - 0.50
5B-00227	20479	Cd-113m	24	26	11	3030	0.00 - 0.50
5B-00227	20479	Cm-243/244	0 U	0.0029	0.0012	0.0443	0.00 - 0.50
5B-00227	20479	Cm-245/246	0.0012 U	0.0034	0.0012	0.0401	0.00 - 0.50
5B-00227	20479	Cm-247/248	-0.001 U	0.009	0.0014	0.0306	0.00 - 0.50
5B-00227	20479	Co-60	0.0013 U	0.014	0.0015	0.028	0.00 - 0.50
5B-00227	20479	Cs-134	0.0128 U	0.043	0.004	0.0864	0.00 - 0.50
5B-00227	20479	Cs-137	0.0623	0.011	0.0061	0.207	0.00 - 0.50
5B-00227	20479	Eu-152	-0.008 U	0.03	0.0092	0.0566	0.00 - 0.50
5B-00227	20479	Eu-154	0.023 U	0.064	0.012	0.15	0.00 - 0.50
5B-00227	20479	Eu-155	0.079 SK	0.031	0.014	0.231	0.00 - 0.50
5B-00227	20479	Ho-166m	0.0107 SK	0.015	0.0072	0.0432	0.00 - 0.50
5B-00227	20479	K-40	20	0.12	0.66	32.4	0.00 - 0.50
5B-00227	20479	Na-22	-0.003 U	0.019	0.0057	0.037	0.00 - 0.50
5B-00227	20479	Nb-94	0.0052 SK	0.01	0.0031	0.0214	0.00 - 0.50
5B-00227	20479	Ni-59	0 U	0.21	0.053	5.96	0.00 - 0.50
5B-00227	20479	Ni-63	-0.25 U	0.58	0.17	4.92	0.00 - 0.50
5B-00227	20479	Np-236	-0.01 U	0.026	0.0078	0.047	0.00 - 0.50
5B-00227	20479	Np-239	0.007 U	0.072	0.022	0.139	0.00 - 0.50
5B-00227	20479	Pa-231	0.096 U	0.48	0.07	0.936	0.00 - 0.50
5B-00227	20479	Pb-212	1.55	0.024	0.082	2.69	0.00 - 0.50
5B-00227	20479	Pb-214	0.851	0.021	0.032	1.7	0.00 - 0.50
5B-00227	20479	Pu-236	0.0015 U	0.0086	0.0023	7.79	0.00 - 0.50
5B-00227	20479	Pu-238	0.0058	0.0077	0.0029	0.0415	0.00 - 0.50
5B-00227	20479	Pu-239/240	0.0022	0.0055	0.0017	0.0404	0.00 - 0.50
5B-00227	20479	Pu-244	0.0009 U	0.0025	0.0009	0.0313	0.00 - 0.50
5B-00227	20479	Sb-125	0.131 SK	0.033	0.0094	0.354	0.00 - 0.50
5B-00227	20479	Sn-126	0.0004 U	0.012	0.0036	0.0237	0.00 - 0.50
5B-00227	20479	Sr-90	-0.006 U	0.04	0.011	0.485	0.00 - 0.50
5B-00227	20479	Tc-99	-0.01 U	0.35	0.11	1.63	0.00 - 0.50
5B-00227	20479	Te-125m	0.0302 SK	0.0077	0.0022	0.0838	0.00 - 0.50
5B-00227	20479	Th-228	1.25	0.026	0.065	3.98	0.00 - 0.50
5B-00227	20479	Th-229	0.0131	0.013	0.0053	0.145	0.00 - 0.50
5B-00227	20479	Th-230	0.989	0.008	0.053	2.2	0.00 - 0.50
5B-00227	20479	Th-232	1.26	0.003	0.065	3.1	0.00 - 0.50
5B-00227	20479	Th-234	1.45 R	0.12	0.08	3.19	0.00 - 0.50
5B-00227	20479	Tl-208	0.478	0.015	0.019	0.937	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00227	20479	Tm-171	0.01 U	4.9	1.5	72.4	0.00 - 0.50
5B-00227	20479	U-233/234	0.923	0.011	0.051	2.02	0.00 - 0.50
5B-00227	20479	U-235/236	0.0381	0.004	0.0076	0.151	0.00 - 0.50
5B-00227	20479	U-238	0.945	0.009	0.052	1.8	0.00 - 0.50
5B-00255	20480	Ac-227	0.064	0.11	0.015	0.217	1.00 - 2.50
5B-00255	20480	Ac-228	1.24	0.058	0.042	2.4	1.00 - 2.50
5B-00255	20480	Am-241	0.0023 U	0.0085	0.0024	0.0454	1.00 - 2.50
5B-00255	20480	Bi-212	1	0.087	0.058	2.15	1.00 - 2.50
5B-00255	20480	Bi-214	0.827	0.018	0.03	1.59	1.00 - 2.50
5B-00255	20480	C-14	0.0147	0.027	0.0084	2.96	1.00 - 2.50
5B-00255	20480	Cd-113m	-2.5 U	26	7.7	3030	1.00 - 2.50
5B-00255	20480	Cm-243/244	0.0011 U	0.0031	0.0011	0.0443	1.00 - 2.50
5B-00255	20480	Cm-245/246	0.0039	0.0035	0.0023	0.0401	1.00 - 2.50
5B-00255	20480	Cm-247/248	0.0018 U	0.0076	0.002	0.0306	1.00 - 2.50
5B-00255	20480	Co-60	0.0009 U	0.014	0.004	0.028	1.00 - 2.50
5B-00255	20480	Cs-134	0.0147 U	0.039	0.0037	0.0864	1.00 - 2.50
5B-00255	20480	Cs-137	0.0002 U	0.012	0.0037	0.207	1.00 - 2.50
5B-00255	20480	Eu-152	-0.014 U	0.03	0.009	0.0566	1.00 - 2.50
5B-00255	20480	Eu-154	-0.009 U	0.074	0.022	0.15	1.00 - 2.50
5B-00255	20480	Eu-155	0.062 SK	0.03	0.013	0.231	1.00 - 2.50
5B-00255	20480	Ho-166m	0.0102 SK	0.018	0.0055	0.0432	1.00 - 2.50
5B-00255	20480	K-40	19.8	0.13	0.66	32.4	1.00 - 2.50
5B-00255	20480	Na-22	-3E-04 U	0.016	0.0048	0.037	1.00 - 2.50
5B-00255	20480	Nb-94	0.0075 SK	0.01	0.0031	0.0214	1.00 - 2.50
5B-00255	20480	Ni-59	0 U	0.65	0.17	5.96	1.00 - 2.50
5B-00255	20480	Ni-63	0.21 U	0.77	0.23	4.92	1.00 - 2.50
5B-00255	20480	Np-236	-0.003 U	0.025	0.0077	0.047	1.00 - 2.50
5B-00255	20480	Np-239	0.028 U	0.072	0.022	0.139	1.00 - 2.50
5B-00255	20480	Pa-231	-0.03 U	0.47	0.14	0.936	1.00 - 2.50
5B-00255	20480	Pb-212	1.54	0.018	0.081	2.69	1.00 - 2.50
5B-00255	20480	Pb-214	0.961	0.019	0.036	1.7	1.00 - 2.50
5B-00255	20480	Pu-236	-0.002 U	0.0086	0.0016	7.79	1.00 - 2.50
5B-00255	20480	Pu-238	-3E-04 U	0.0079	0.0017	0.0415	1.00 - 2.50
5B-00255	20480	Pu-239/240	0.0017 U	0.0024	0.0012	0.0404	1.00 - 2.50
5B-00255	20480	Pu-244	0.0026	0.0023	0.0015	0.0313	1.00 - 2.50
5B-00255	20480	Sb-125	0.137 JSK	0.031	0.0092	0.354	1.00 - 2.50
5B-00255	20480	Sn-126	-0.002 U	0.012	0.0035	0.0237	1.00 - 2.50
5B-00255	20480	Sr-90	0.024 U	0.052	0.016	0.485	1.00 - 2.50
5B-00255	20480	Tc-99	-0.02 U	0.26	0.08	1.63	1.00 - 2.50
5B-00255	20480	Te-125m	0.0317 JSK	0.0072	0.0021	0.0838	1.00 - 2.50
5B-00255	20480	Th-228	1.36	0.014	0.068	3.98	1.00 - 2.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00255	20480	Th-229	0.0062	0.0097	0.0034	0.145	1.00 - 2.50
5B-00255	20480	Th-230	1.03	0.008	0.054	2.2	1.00 - 2.50
5B-00255	20480	Th-232	1.28	0.009	0.065	3.1	1.00 - 2.50
5B-00255	20480	Th-234	1.43 R	0.12	0.079	3.19	1.00 - 2.50
5B-00255	20480	Tl-208	0.458	0.013	0.018	0.937	1.00 - 2.50
5B-00255	20480	Tm-171	-5.1 U J	4.2	1.3	72.4	1.00 - 2.50
5B-00255	20480	U-233/234	0.949	0.009	0.052	2.02	1.00 - 2.50
5B-00255	20480	U-235/236	0.049	0.0039	0.0086	0.151	1.00 - 2.50
5B-00255	20480	U-238	0.909	0.011	0.05	1.8	1.00 - 2.50
5B-00255	20481	Ac-227	0.031 U	0.13	0.027	0.217	0.00 - 0.50
5B-00255	20481	Ac-228	1.06	0.08	0.038	2.4	0.00 - 0.50
5B-00255	20481	Am-241	0.0026 U	0.0036	0.0019	0.0454	0.00 - 0.50
5B-00255	20481	Bi-212	0.849	0.12	0.069	2.15	0.00 - 0.50
5B-00255	20481	Bi-214	0.849	0.026	0.031	1.59	0.00 - 0.50
5B-00255	20481	C-14	0.033	0.046	0.014	2.96	0.00 - 0.50
5B-00255	20481	Cd-113m	-7 U	39	12	3030	0.00 - 0.50
5B-00255	20481	Cm-243/244	0.0013 U	0.0035	0.0013	0.0443	0.00 - 0.50
5B-00255	20481	Cm-245/246	-0.001 U	0.009	0.0014	0.0401	0.00 - 0.50
5B-00255	20481	Cm-247/248	0.0012 U	0.0032	0.0012	0.0306	0.00 - 0.50
5B-00255	20481	Co-60	0.003 U	0.018	0.0037	0.028	0.00 - 0.50
5B-00255	20481	Cs-134	0.0124 U	0.049	0.0057	0.0864	0.00 - 0.50
5B-00255	20481	Cs-137	0.0671	0.012	0.0063	0.207	0.00 - 0.50
5B-00255	20481	Eu-152	0.015 U	0.037	0.013	0.0566	0.00 - 0.50
5B-00255	20481	Eu-154	-0.039 U	0.1	0.031	0.15	0.00 - 0.50
5B-00255	20481	Eu-155	0.057 SK	0.033	0.013	0.231	0.00 - 0.50
5B-00255	20481	Ho-166m	0.002 U L,R	0.024	0.0022	0.0432	0.00 - 0.50
5B-00255	20481	K-40	20.7	0.13	0.62	32.4	0.00 - 0.50
5B-00255	20481	Na-22	0.0044 U	0.024	0.0072	0.037	0.00 - 0.50
5B-00255	20481	Nb-94	0.0026 U	0.011	0.0021	0.0214	0.00 - 0.50
5B-00255	20481	Ni-59	0 U	0.53	0.14	5.96	0.00 - 0.50
5B-00255	20481	Ni-63	-0.007 U	0.65	0.19	4.92	0.00 - 0.50
5B-00255	20481	Np-236	-0.005 U	0.029	0.0088	0.047	0.00 - 0.50
5B-00255	20481	Np-239	-0.01 U	0.082	0.025	0.139	0.00 - 0.50
5B-00255	20481	Pa-231	0.08 U	0.47	0.12	0.936	0.00 - 0.50
5B-00255	20481	Pb-212	1.34	0.026	0.055	2.69	0.00 - 0.50
5B-00255	20481	Pb-214	0.926	0.025	0.032	1.7	0.00 - 0.50
5B-00255	20481	Pu-236	0.0014 U	0.006	0.0016	7.79	0.00 - 0.50
5B-00255	20481	Pu-238	0.003	0.0027	0.0018	0.0415	0.00 - 0.50
5B-00255	20481	Pu-239/240	0.0028	0.0073	0.0022	0.0404	0.00 - 0.50
5B-00255	20481	Pu-244	0.001 U	0.0027	0.001	0.0313	0.00 - 0.50
5B-00255	20481	Sb-125	0.0948 JSK	0.038	0.0079	0.354	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00255	20481	Sn-126	-0.003 U	0.015	0.0046	0.0237	0.00 - 0.50
5B-00255	20481	Sr-90	0.031	0.055	0.017	0.485	0.00 - 0.50
5B-00255	20481	Tc-99	-0.014 U	0.29	0.087	1.63	0.00 - 0.50
5B-00255	20481	Te-125m	0.0219 JSK	0.0087	0.0018	0.0838	0.00 - 0.50
5B-00255	20481	Th-228	1.13	0.013	0.057	3.98	0.00 - 0.50
5B-00255	20481	Th-229	0.0065	0.0095	0.0035	0.145	0.00 - 0.50
5B-00255	20481	Th-230	0.92	0.007	0.049	2.2	0.00 - 0.50
5B-00255	20481	Th-232	1.06	0.003	0.055	3.1	0.00 - 0.50
5B-00255	20481	Th-234	1.26 R	0.14	0.075	3.19	0.00 - 0.50
5B-00255	20481	Tl-208	0.444	0.017	0.017	0.937	0.00 - 0.50
5B-00255	20481	Tm-171	-2 U	5.3	1.6	72.4	0.00 - 0.50
5B-00255	20481	U-233/234	0.788	0.003	0.038	2.02	0.00 - 0.50
5B-00255	20481	U-235/236	0.0426	0.0047	0.0051	0.151	0.00 - 0.50
5B-00255	20481	U-238	0.808	0.001	0.038	1.8	0.00 - 0.50
5B-00272	20488	Ac-227	0.048 U	0.14	0.045	0.217	1.00 - 5.00
5B-00272	20488	Ac-228	1.12	0.089	0.041	2.4	1.00 - 5.00
5B-00272	20488	Am-241	0 U	0.014	0.0036	0.0454	1.00 - 5.00
5B-00272	20488	Bi-212	0.962	0.11	0.066	2.15	1.00 - 5.00
5B-00272	20488	Bi-214	0.907	0.023	0.031	1.59	1.00 - 5.00
5B-00272	20488	Cd-113m	-0.002 U	39	12	3030	1.00 - 5.00
5B-00272	20488	Cm-243/244	0 U	0.0032	0.0013	0.0443	1.00 - 5.00
5B-00272	20488	Cm-245/246	0.0009 U	0.0023	0.0009	0.0401	1.00 - 5.00
5B-00272	20488	Cm-247/248	0 U	0.0023	0.0009	0.0306	1.00 - 5.00
5B-00272	20488	Co-60	0.0028 U	0.016	0.0046	0.028	1.00 - 5.00
5B-00272	20488	Cs-134	0.015 U	0.048	0.0049	0.0864	1.00 - 5.00
5B-00272	20488	Cs-137	-6E-04 U	0.011	0.0032	0.207	1.00 - 5.00
5B-00272	20488	Eu-152	0.001 U	0.033	0.0098	0.0566	1.00 - 5.00
5B-00272	20488	Eu-154	0.004 U	0.091	0.011	0.15	1.00 - 5.00
5B-00272	20488	Eu-155	0.068 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00272	20488	Ho-166m	0.0015 U	0.023	0.0034	0.0432	1.00 - 5.00
5B-00272	20488	K-40	19.7	0.12	0.59	32.4	1.00 - 5.00
5B-00272	20488	Na-22	0.0046 U	0.023	0.0068	0.037	1.00 - 5.00
5B-00272	20488	Nb-94	0.0064 SK	0.013	0.0039	0.0214	1.00 - 5.00
5B-00272	20488	Np-236	-0.011 U	0.03	0.009	0.047	1.00 - 5.00
5B-00272	20488	Np-239	-0.01 U	0.079	0.024	0.139	1.00 - 5.00
5B-00272	20488	Pa-231	0.03 U	0.54	0.16	0.936	1.00 - 5.00
5B-00272	20488	Pb-212	1.47	0.021	0.059	2.69	1.00 - 5.00
5B-00272	20488	Pb-214	0.999	0.023	0.033	1.7	1.00 - 5.00
5B-00272	20488	Pu-236	0 U	0.0021	0.0007	7.79	1.00 - 5.00
5B-00272	20488	Pu-238	0.0003 U	0.0047	0.001	0.0415	1.00 - 5.00
5B-00272	20488	Pu-239/240	0 U	0.0021	0.0007	0.0404	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00272	20488	Pu-244	0.0039	0.0021	0.0018	0.0313	1.00 - 5.00
5B-00272	20488	Sb-125	0.117 SK	0.038	0.009	0.354	1.00 - 5.00
5B-00272	20488	Sn-126	0.0015 U	0.012	0.0037	0.0237	1.00 - 5.00
5B-00272	20488	Sr-90	-0.011 U	0.04	0.011	0.485	1.00 - 5.00
5B-00272	20488	Te-125m	0.0271 SK	0.0088	0.0021	0.0838	1.00 - 5.00
5B-00272	20488	Th-228	1.29	0.017	0.069	3.98	1.00 - 5.00
5B-00272	20488	Th-229	0.0128	0.011	0.0044	0.145	1.00 - 5.00
5B-00272	20488	Th-230	0.943	0.004	0.054	2.2	1.00 - 5.00
5B-00272	20488	Th-232	1.21	0.015	0.066	3.1	1.00 - 5.00
5B-00272	20488	Th-234	1.38 R	0.14	0.078	3.19	1.00 - 5.00
5B-00272	20488	Tl-208	0.449	0.016	0.017	0.937	1.00 - 5.00
5B-00272	20488	Tm-171	0.2 U	5.8	1.7	72.4	1.00 - 5.00
5B-00272	20488	U-233/234	0.683	0.01	0.039	2.02	1.00 - 5.00
5B-00272	20488	U-235/236	0.0341	0.014	0.0075	0.151	1.00 - 5.00
5B-00272	20488	U-238	0.715	0.003	0.041	1.8	1.00 - 5.00
5B-00272	20489	Ac-227	0.064 U	0.14	0.017	0.217	0.00 - 0.50
5B-00272	20489	Ac-228	1.1	0.084	0.04	2.4	0.00 - 0.50
5B-00272	20489	Am-241	0.0025	0.0061	0.0019	0.0454	0.00 - 0.50
5B-00272	20489	Bi-212	0.914	0.12	0.073	2.15	0.00 - 0.50
5B-00272	20489	Bi-214	0.908	0.024	0.032	1.59	0.00 - 0.50
5B-00272	20489	Cd-113m	0.3 U	40	12	3030	0.00 - 0.50
5B-00272	20489	Cm-243/244	-0.002 U	0.0088	0.0018	0.0443	0.00 - 0.50
5B-00272	20489	Cm-245/246	0.0024	0.0016	0.0012	0.0401	0.00 - 0.50
5B-00272	20489	Cm-247/248	0 U	0.0016	0.0007	0.0306	0.00 - 0.50
5B-00272	20489	Co-60	0.0064 U	0.019	0.0058	0.028	0.00 - 0.50
5B-00272	20489	Cs-134	0.006 U	0.054	0.017	0.0864	0.00 - 0.50
5B-00272	20489	Cs-137	0.0537	0.014	0.0068	0.207	0.00 - 0.50
5B-00272	20489	Eu-152	0.006 U	0.031	0.013	0.0566	0.00 - 0.50
5B-00272	20489	Eu-154	0.043 U	0.11	0.016	0.15	0.00 - 0.50
5B-00272	20489	Eu-155	0.074 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00272	20489	Ho-166m	0.0022 U	0.021	0.0087	0.0432	0.00 - 0.50
5B-00272	20489	K-40	20.9	0.15	0.63	32.4	0.00 - 0.50
5B-00272	20489	Na-22	-0.003 U	0.027	0.008	0.037	0.00 - 0.50
5B-00272	20489	Nb-94	0.0043 U	0.014	0.0044	0.0214	0.00 - 0.50
5B-00272	20489	Np-236	-0.004 U	0.031	0.0092	0.047	0.00 - 0.50
5B-00272	20489	Np-239	0.004 U	0.086	0.026	0.139	0.00 - 0.50
5B-00272	20489	Pa-231	0.11 U	0.59	0.18	0.936	0.00 - 0.50
5B-00272	20489	Pb-212	1.42	0.023	0.058	2.69	0.00 - 0.50
5B-00272	20489	Pb-214	1.02	0.028	0.035	1.7	0.00 - 0.50
5B-00272	20489	Pu-236	-2E-04 U	0.0061	0.0012	7.79	0.00 - 0.50
5B-00272	20489	Pu-238	0.0029	0.005	0.0018	0.0415	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00272	20489	Pu-239/240	0.0037	0.005	0.002	0.0404	0.00 - 0.50
5B-00272	20489	Pu-244	0.0025	0.0023	0.0015	0.0313	0.00 - 0.50
5B-00272	20489	Sb-125	0.119 SK	0.041	0.01	0.354	0.00 - 0.50
5B-00272	20489	Sn-126	-0.003 U	0.017	0.005	0.0237	0.00 - 0.50
5B-00272	20489	Sr-90	0.032	0.037	0.012	0.485	0.00 - 0.50
5B-00272	20489	Te-125m	0.0276 SK	0.0096	0.0024	0.0838	0.00 - 0.50
5B-00272	20489	Th-228	1.04	0.025	0.057	3.98	0.00 - 0.50
5B-00272	20489	Th-229	0.0054	0.0097	0.0032	0.145	0.00 - 0.50
5B-00272	20489	Th-230	0.793	0.012	0.046	2.2	0.00 - 0.50
5B-00272	20489	Th-232	0.996	0.009	0.055	3.1	0.00 - 0.50
5B-00272	20489	Th-234	0.304 R	0.16	0.049	3.19	0.00 - 0.50
5B-00272	20489	Tl-208	0.425	0.017	0.017	0.937	0.00 - 0.50
5B-00272	20489	Tm-171	-2.1 U	5.9	1.8	72.4	0.00 - 0.50
5B-00272	20489	U-233/234	0.825	0.01	0.049	2.02	0.00 - 0.50
5B-00272	20489	U-235/236	0.051	0.013	0.01	0.151	0.00 - 0.50
5B-00272	20489	U-238	0.848	0.004	0.05	1.8	0.00 - 0.50
5B-00273	20490	Ac-227	0.038 U	0.11	0.036	0.217	1.00 - 3.00
5B-00273	20490	Ac-228	1.3	0.049	0.041	2.4	1.00 - 3.00
5B-00273	20490	Am-241	0.0022 U	0.003	0.0016	0.0454	1.00 - 3.00
5B-00273	20490	Bi-212	1	0.093	0.06	2.15	1.00 - 3.00
5B-00273	20490	Bi-214	0.813	0.018	0.027	1.59	1.00 - 3.00
5B-00273	20490	Cd-113m	-0.03 U	31	9.2	3030	1.00 - 3.00
5B-00273	20490	Cm-243/244	0 U	0.008	0.0016	0.0443	1.00 - 3.00
5B-00273	20490	Cm-245/246	-0.001 U J	0.0097	0.0015	0.0401	1.00 - 3.00
5B-00273	20490	Cm-247/248	0.0013 U	0.012	0.003	0.0306	1.00 - 3.00
5B-00273	20490	Co-60	-0.002 U	0.012	0.0037	0.028	1.00 - 3.00
5B-00273	20490	Cs-134	0.0107 U J	0.032	0.0027	0.0864	1.00 - 3.00
5B-00273	20490	Cs-137	0.0771 J	0.0099	0.0057	0.207	1.00 - 3.00
5B-00273	20490	Eu-152	-0.011 U	0.026	0.0077	0.0566	1.00 - 3.00
5B-00273	20490	Eu-154	0.0018 U	0.067	0.0022	0.15	1.00 - 3.00
5B-00273	20490	Eu-155	0.063 SK	0.026	0.01	0.231	1.00 - 3.00
5B-00273	20490	Ho-166m	0.0026 U	0.017	0.0025	0.0432	1.00 - 3.00
5B-00273	20490	K-40	20.4	0.11	0.6	32.4	1.00 - 3.00
5B-00273	20490	Na-22	0.0026 U	0.015	0.0045	0.037	1.00 - 3.00
5B-00273	20490	Nb-94	0.0013 U	0.0085	0.0013	0.0214	1.00 - 3.00
5B-00273	20490	Np-236	0.0005 U	0.024	0.0073	0.047	1.00 - 3.00
5B-00273	20490	Np-239	0.007 U	0.066	0.02	0.139	1.00 - 3.00
5B-00273	20490	Pa-231	-0.09 U	0.44	0.13	0.936	1.00 - 3.00
5B-00273	20490	Pb-212	1.63	0.019	0.066	2.69	1.00 - 3.00
5B-00273	20490	Pb-214	0.904	0.019	0.029	1.7	1.00 - 3.00
5B-00273	20490	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00273	20490	Pu-238	0.0007 U	0.0019	0.0007	0.0415	1.00 - 3.00
5B-00273	20490	Pu-239/240	0.0046	0.0043	0.002	0.0404	1.00 - 3.00
5B-00273	20490	Pu-244	0.0003 U	0.0042	0.0009	0.0313	1.00 - 3.00
5B-00273	20490	Sb-125	0.12 JSK	0.029	0.0069	0.354	1.00 - 3.00
5B-00273	20490	Sn-126	-0.001 U	0.011	0.0033	0.0237	1.00 - 3.00
5B-00273	20490	Sr-90	0.029	0.046	0.014	0.485	1.00 - 3.00
5B-00273	20490	Te-125m	0.0277 JSK	0.0067	0.0016	0.0838	1.00 - 3.00
5B-00273	20490	Th-228	1.61	0.021	0.081	3.98	1.00 - 3.00
5B-00273	20490	Th-229	0.0051	0.012	0.0038	0.145	1.00 - 3.00
5B-00273	20490	Th-230	1.22	0.011	0.064	2.2	1.00 - 3.00
5B-00273	20490	Th-232	1.47	0.009	0.074	3.1	1.00 - 3.00
5B-00273	20490	Th-234	1.6 R	0.12	0.077	3.19	1.00 - 3.00
5B-00273	20490	Tl-208	0.499	0.013	0.017	0.937	1.00 - 3.00
5B-00273	20490	Tm-171	0.4 U	3.6	1.1	72.4	1.00 - 3.00
5B-00273	20490	U-233/234	1.02	0.003	0.055	2.02	1.00 - 3.00
5B-00273	20490	U-235/236	0.0421	0.0041	0.0082	0.151	1.00 - 3.00
5B-00273	20490	U-238	0.953	0.009	0.053	1.8	1.00 - 3.00
5B-00273	20491	Ac-227	0.059 U	0.16	0.054	0.217	0.00 - 0.50
5B-00273	20491	Ac-228	1.33	0.11	0.049	2.4	0.00 - 0.50
5B-00273	20491	Am-241	0.0042	0.0062	0.0023	0.0454	0.00 - 0.50
5B-00273	20491	Bi-212	1.17	0.15	0.085	2.15	0.00 - 0.50
5B-00273	20491	Bi-214	1.11	0.031	0.039	1.59	0.00 - 0.50
5B-00273	20491	Cd-113m	-8 U	47	14	3030	0.00 - 0.50
5B-00273	20491	Cm-243/244	-0.003 U	0.0089	0.0016	0.0443	0.00 - 0.50
5B-00273	20491	Cm-245/246	0.0014 U	0.0019	0.001	0.0401	0.00 - 0.50
5B-00273	20491	Cm-247/248	0.0014 U	0.0018	0.001	0.0306	0.00 - 0.50
5B-00273	20491	Co-60	0.0088 U	0.022	0.0046	0.028	0.00 - 0.50
5B-00273	20491	Cs-134	0.0051 U	0.037	0.0056	0.0864	0.00 - 0.50
5B-00273	20491	Cs-137	0.108	0.021	0.01	0.207	0.00 - 0.50
5B-00273	20491	Eu-152	-0.005 U	0.044	0.013	0.0566	0.00 - 0.50
5B-00273	20491	Eu-154	-0.037 U	0.12	0.037	0.15	0.00 - 0.50
5B-00273	20491	Eu-155	0.073 SK	0.033	0.012	0.231	0.00 - 0.50
5B-00273	20491	Ho-166m	0.007 U	0.028	0.011	0.0432	0.00 - 0.50
5B-00273	20491	K-40	20	0.17	0.61	32.4	0.00 - 0.50
5B-00273	20491	Na-22	-0.006 U	0.028	0.0083	0.037	0.00 - 0.50
5B-00273	20491	Nb-94	0.0028 U	0.016	0.0049	0.0214	0.00 - 0.50
5B-00273	20491	Np-236	0.005 U	0.032	0.0096	0.047	0.00 - 0.50
5B-00273	20491	Np-239	0.002 U	0.097	0.029	0.139	0.00 - 0.50
5B-00273	20491	Pa-231	-0.14 U	0.65	0.2	0.936	0.00 - 0.50
5B-00273	20491	Pb-212	1.82	0.027	0.074	2.69	0.00 - 0.50
5B-00273	20491	Pb-214	1.22	0.028	0.04	1.7	0.00 - 0.50

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00273	20491	Pu-236	0.0011 U	0.0047	0.0012	7.79	0.00 - 0.50
5B-00273	20491	Pu-238	0.0014 U	0.0057	0.0016	0.0415	0.00 - 0.50
5B-00273	20491	Pu-239/240	0.0074	0.0047	0.0026	0.0404	0.00 - 0.50
5B-00273	20491	Pu-244	0.0024	0.0021	0.0014	0.0313	0.00 - 0.50
5B-00273	20491	Sb-125	0.179 SK	0.039	0.014	0.354	0.00 - 0.50
5B-00273	20491	Sn-126	0.0118	0.015	0.0065	0.0237	0.00 - 0.50
5B-00273	20491	Sr-90	0.043	0.051	0.016	0.485	0.00 - 0.50
5B-00273	20491	Te-125m	0.0413 SK	0.0091	0.0031	0.0838	0.00 - 0.50
5B-00273	20491	Th-228	1.37	0.018	0.068	3.98	0.00 - 0.50
5B-00273	20491	Th-229	0.0153	0.0075	0.0043	0.145	0.00 - 0.50
5B-00273	20491	Th-230	1.01	0.007	0.052	2.2	0.00 - 0.50
5B-00273	20491	Th-232	1.34	0.007	0.066	3.1	0.00 - 0.50
5B-00273	20491	Th-234	1.65 R	0.17	0.091	3.19	0.00 - 0.50
5B-00273	20491	Tl-208	0.544	0.021	0.021	0.937	0.00 - 0.50
5B-00273	20491	Tm-171	3.7	6.3	1.9	72.4	0.00 - 0.50
5B-00273	20491	U-233/234	1.07	0.012	0.058	2.02	0.00 - 0.50
5B-00273	20491	U-235/236	0.07	0.004	0.011	0.151	0.00 - 0.50
5B-00273	20491	U-238	1.01	0.003	0.055	1.8	0.00 - 0.50
5B-00274	20492	Ac-227	0.36 KRZ	0.11	0.019	0.217	1.00 - 5.00
5B-00274	20492	Ac-228	1.28	0.061	0.044	2.4	1.00 - 5.00
5B-00274	20492	Am-241	0.001 U	0.0072	0.0018	0.0454	1.00 - 5.00
5B-00274	20492	Bi-212	0.99	0.1	0.065	2.15	1.00 - 5.00
5B-00274	20492	Bi-214	0.767	0.021	0.029	1.59	1.00 - 5.00
5B-00274	20492	Cd-113m	3 U	33	10	3030	1.00 - 5.00
5B-00274	20492	Cm-243/244	-0.001 U	0.0089	0.0018	0.0443	1.00 - 5.00
5B-00274	20492	Cm-245/246	0.0004 U	0.0059	0.0012	0.0401	1.00 - 5.00
5B-00274	20492	Cm-247/248	0.001 U	0.0027	0.001	0.0306	1.00 - 5.00
5B-00274	20492	Co-60	0.0029 U	0.011	0.0034	0.028	1.00 - 5.00
5B-00274	20492	Cs-134	0.0119 U J	0.039	0.0034	0.0864	1.00 - 5.00
5B-00274	20492	Cs-137	0.0482 J	0.01	0.0054	0.207	1.00 - 5.00
5B-00274	20492	Eu-152	0.0041 U	0.031	0.0024	0.0566	1.00 - 5.00
5B-00274	20492	Eu-154	-0.02 U	0.079	0.024	0.15	1.00 - 5.00
5B-00274	20492	Eu-155	0.091 SK	0.03	0.013	0.231	1.00 - 5.00
5B-00274	20492	Ho-166m	0.0087 U	0.019	0.0067	0.0432	1.00 - 5.00
5B-00274	20492	K-40	21	0.13	0.69	32.4	1.00 - 5.00
5B-00274	20492	Na-22	-0.003 U	0.019	0.0056	0.037	1.00 - 5.00
5B-00274	20492	Nb-94	0.0054 SK	0.011	0.0032	0.0214	1.00 - 5.00
5B-00274	20492	Np-236	-1E-04 U	0.026	0.0078	0.047	1.00 - 5.00
5B-00274	20492	Np-239	-0.018 U	0.069	0.021	0.139	1.00 - 5.00
5B-00274	20492	Pa-231	-0.02 U	0.49	0.15	0.936	1.00 - 5.00
5B-00274	20492	Pb-212	1.63	0.019	0.086	2.69	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00274	20492	Pb-214	0.882	0.02	0.033	1.7	1.00 - 5.00
5B-00274	20492	Pu-236	0.0003 U	0.0042	0.0009	7.79	1.00 - 5.00
5B-00274	20492	Pu-238	0.0013 U	0.0052	0.0014	0.0415	1.00 - 5.00
5B-00274	20492	Pu-239/240	0.0031	0.0042	0.0017	0.0404	1.00 - 5.00
5B-00274	20492	Pu-244	0.0014	0.0019	0.001	0.0313	1.00 - 5.00
5B-00274	20492	Sb-125	0.147 JSK	0.029	0.0094	0.354	1.00 - 5.00
5B-00274	20492	Sn-126	0.0016 U	0.012	0.0035	0.0237	1.00 - 5.00
5B-00274	20492	Sr-90	0.021 U	0.046	0.014	0.485	1.00 - 5.00
5B-00274	20492	Te-125m	0.034 JSK	0.0067	0.0022	0.0838	1.00 - 5.00
5B-00274	20492	Th-228	1.43	0.021	0.072	3.98	1.00 - 5.00
5B-00274	20492	Th-229	0.0078	0.012	0.0042	0.145	1.00 - 5.00
5B-00274	20492	Th-230	1.12	0.014	0.059	2.2	1.00 - 5.00
5B-00274	20492	Th-232	1.3	0.01	0.066	3.1	1.00 - 5.00
5B-00274	20492	Th-234	1.55 R	0.13	0.085	3.19	1.00 - 5.00
5B-00274	20492	Tl-208	0.492	0.013	0.019	0.937	1.00 - 5.00
5B-00274	20492	Tm-171	0.04 U	5.2	1.6	72.4	1.00 - 5.00
5B-00274	20492	U-233/234	0.812	0.01	0.045	2.02	1.00 - 5.00
5B-00274	20492	U-235/236	0.0424	0.012	0.008	0.151	1.00 - 5.00
5B-00274	20492	U-238	0.788	0.01	0.044	1.8	1.00 - 5.00
5B-00274	20493	Ac-227	0.054 U	0.14	0.056	0.217	0.00 - 0.50
5B-00274	20493	Ac-228	1.3	0.089	0.045	2.4	0.00 - 0.50
5B-00274	20493	Am-241	0.0023 U	0.012	0.0034	0.0454	0.00 - 0.50
5B-00274	20493	Bi-212	0.956	0.13	0.071	2.15	0.00 - 0.50
5B-00274	20493	Bi-214	0.975	0.027	0.034	1.59	0.00 - 0.50
5B-00274	20493	Cd-113m	-0.8 U	41	12	3030	0.00 - 0.50
5B-00274	20493	Cm-243/244	0.0011 U	0.0083	0.002	0.0443	0.00 - 0.50
5B-00274	20493	Cm-245/246	0.0029	0.0019	0.0014	0.0401	0.00 - 0.50
5B-00274	20493	Cm-247/248	0.0007 U	0.0052	0.0013	0.0306	0.00 - 0.50
5B-00274	20493	Co-60	-0.004 U	0.016	0.0048	0.028	0.00 - 0.50
5B-00274	20493	Cs-134	0.0135 SK	0.014	0.0042	0.0864	0.00 - 0.50
5B-00274	20493	Cs-137	0.0729	0.017	0.0067	0.207	0.00 - 0.50
5B-00274	20493	Eu-152	-0.004 U	0.039	0.004	0.0566	0.00 - 0.50
5B-00274	20493	Eu-154	-0.023 U	0.11	0.032	0.15	0.00 - 0.50
5B-00274	20493	Eu-155	0.066 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00274	20493	Ho-166m	0.0198 SK	0.026	0.0082	0.0432	0.00 - 0.50
5B-00274	20493	K-40	19.3	0.15	0.59	32.4	0.00 - 0.50
5B-00274	20493	Na-22	-0.003 U	0.024	0.0072	0.037	0.00 - 0.50
5B-00274	20493	Nb-94	0.0149 SK	0.01	0.0041	0.0214	0.00 - 0.50
5B-00274	20493	Np-236	-2E-04 U	0.03	0.0089	0.047	0.00 - 0.50
5B-00274	20493	Np-239	0.007 U	0.09	0.027	0.139	0.00 - 0.50
5B-00274	20493	Pa-231	0.14 U	0.58	0.17	0.936	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00274	20493	Pb-212	1.68	0.023	0.068	2.69	0.00 - 0.50
5B-00274	20493	Pb-214	1.06	0.028	0.036	1.7	0.00 - 0.50
5B-00274	20493	Pu-236	0.0012 U	0.0031	0.0012	7.79	0.00 - 0.50
5B-00274	20493	Pu-238	-7E-04 U	0.0068	0.0008	0.0415	0.00 - 0.50
5B-00274	20493	Pu-239/240	0.0023	0.0031	0.0016	0.0404	0.00 - 0.50
5B-00274	20493	Pu-244	-7E-04 U	0.0068	0.0008	0.0313	0.00 - 0.50
5B-00274	20493	Sb-125	0.123 SK	0.046	0.01	0.354	0.00 - 0.50
5B-00274	20493	Sn-126	0.0026 U	0.013	0.004	0.0237	0.00 - 0.50
5B-00274	20493	Sr-90	0.03	0.043	0.013	0.485	0.00 - 0.50
5B-00274	20493	Te-125m	0.0283 SK	0.011	0.0024	0.0838	0.00 - 0.50
5B-00274	20493	Th-228	1.19	0.018	0.061	3.98	0.00 - 0.50
5B-00274	20493	Th-229	0.0044	0.0096	0.003	0.145	0.00 - 0.50
5B-00274	20493	Th-230	0.972	0.008	0.052	2.2	0.00 - 0.50
5B-00274	20493	Th-232	1.14	0.007	0.059	3.1	0.00 - 0.50
5B-00274	20493	Th-234	0.669 R	0.16	0.055	3.19	0.00 - 0.50
5B-00274	20493	Tl-208	0.498	0.018	0.019	0.937	0.00 - 0.50
5B-00274	20493	Tm-171	-0.5 U	6	1.8	72.4	0.00 - 0.50
5B-00274	20493	U-233/234	1.01	0.007	0.052	2.02	0.00 - 0.50
5B-00274	20493	U-235/236	0.0472	0.0031	0.0076	0.151	0.00 - 0.50
5B-00274	20493	U-238	1	0.01	0.052	1.8	0.00 - 0.50
5B-00275	20494	Ac-227	0.043 U	0.11	0.045	0.217	1.00 - 4.50
5B-00275	20494	Ac-228	1.16	0.056	0.04	2.4	1.00 - 4.50
5B-00275	20494	Am-241	0.0011 U	0.0031	0.0011	0.0454	1.00 - 4.50
5B-00275	20494	Bi-212	0.827	0.082	0.051	2.15	1.00 - 4.50
5B-00275	20494	Bi-214	0.873	0.02	0.033	1.59	1.00 - 4.50
5B-00275	20494	Cd-113m	6 U	23	7	3030	1.00 - 4.50
5B-00275	20494	Cm-243/244	0.0044 J	0.003	0.0022	0.0443	1.00 - 4.50
5B-00275	20494	Cm-245/246	-0.002 U J	0.01	0.0021	0.0401	1.00 - 4.50
5B-00275	20494	Cm-247/248	0 U J	0.0069	0.0014	0.0306	1.00 - 4.50
5B-00275	20494	Co-60	-2E-04 U	0.013	0.0039	0.028	1.00 - 4.50
5B-00275	20494	Cs-134	0.0139 U	0.032	0.0036	0.0864	1.00 - 4.50
5B-00275	20494	Cs-137	0.0001 U	0.01	0.0031	0.207	1.00 - 4.50
5B-00275	20494	Eu-152	0.013 U	0.027	0.011	0.0566	1.00 - 4.50
5B-00275	20494	Eu-154	-0.039 U	0.073	0.022	0.15	1.00 - 4.50
5B-00275	20494	Eu-155	0.066 SK	0.029	0.012	0.231	1.00 - 4.50
5B-00275	20494	Ho-166m	0.0041 U	0.017	0.0049	0.0432	1.00 - 4.50
5B-00275	20494	K-40	19.8	0.13	0.66	32.4	1.00 - 4.50
5B-00275	20494	Na-22	0.0009 U	0.015	0.0046	0.037	1.00 - 4.50
5B-00275	20494	Nb-94	0.0031 U	0.0097	0.0022	0.0214	1.00 - 4.50
5B-00275	20494	Np-236	-0.007 U	0.025	0.0077	0.047	1.00 - 4.50
5B-00275	20494	Np-239	0.006 U	0.07	0.021	0.139	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00275	20494	Pa-231	-0.12 U J	0.46	0.14	0.936	1.00 - 4.50
5B-00275	20494	Pb-212	1.4	0.019	0.074	2.69	1.00 - 4.50
5B-00275	20494	Pb-214	0.971	0.022	0.036	1.7	1.00 - 4.50
5B-00275	20494	Pu-236	0.001 U	0.0043	0.0011	7.79	1.00 - 4.50
5B-00275	20494	Pu-238	-9E-04 U	0.0053	0.0007	0.0415	1.00 - 4.50
5B-00275	20494	Pu-239/240	0.0015	0.002	0.001	0.0404	1.00 - 4.50
5B-00275	20494	Pu-244	0.0029	0.002	0.0015	0.0313	1.00 - 4.50
5B-00275	20494	Sb-125	0.13 SK	0.03	0.0088	0.354	1.00 - 4.50
5B-00275	20494	Sn-126	0.0027 U	0.011	0.0034	0.0237	1.00 - 4.50
5B-00275	20494	Sr-90	0.015 U	0.042	0.012	0.485	1.00 - 4.50
5B-00275	20494	Te-125m	0.03 SK	0.007	0.002	0.0838	1.00 - 4.50
5B-00275	20494	Th-228	1.2	0.023	0.067	3.98	1.00 - 4.50
5B-00275	20494	Th-229	0.0109	0.015	0.0053	0.145	1.00 - 4.50
5B-00275	20494	Th-230	0.986	0.01	0.057	2.2	1.00 - 4.50
5B-00275	20494	Th-232	1.14	0.014	0.064	3.1	1.00 - 4.50
5B-00275	20494	Th-234	1.51 R	0.12	0.081	3.19	1.00 - 4.50
5B-00275	20494	Tl-208	0.447	0.013	0.017	0.937	1.00 - 4.50
5B-00275	20494	Tm-171	-2.4 U J	4.8	1.5	72.4	1.00 - 4.50
5B-00275	20494	U-233/234	0.934 J	0.017	0.061	2.02	1.00 - 4.50
5B-00275	20494	U-235/236	0.038 J	0.008	0.011	0.151	1.00 - 4.50
5B-00275	20494	U-238	0.928 J	0.017	0.061	1.8	1.00 - 4.50
5B-00275	20495	Ac-227	0.042 U	0.14	0.055	0.217	0.00 - 0.50
5B-00275	20495	Ac-228	1.23	0.071	0.045	2.4	0.00 - 0.50
5B-00275	20495	Am-241	0.0058	0.002	0.0021	0.0454	0.00 - 0.50
5B-00275	20495	Bi-212	0.962	0.12	0.074	2.15	0.00 - 0.50
5B-00275	20495	Bi-214	0.825	0.027	0.033	1.59	0.00 - 0.50
5B-00275	20495	Cd-113m	11 U	38	11	3030	0.00 - 0.50
5B-00275	20495	Cm-243/244	0 U	0.0019	0.0008	0.0443	0.00 - 0.50
5B-00275	20495	Cm-245/246	0 U J	0.006	0.0012	0.0401	0.00 - 0.50
5B-00275	20495	Cm-247/248	0.0008 U	0.0074	0.0019	0.0306	0.00 - 0.50
5B-00275	20495	Co-60	0.0061 U	0.016	0.0048	0.028	0.00 - 0.50
5B-00275	20495	Cs-134	0.0051 U J	0.042	0.0024	0.0864	0.00 - 0.50
5B-00275	20495	Cs-137	0.0751	0.013	0.0073	0.207	0.00 - 0.50
5B-00275	20495	Eu-152	0.0127 U	0.036	0.0063	0.0566	0.00 - 0.50
5B-00275	20495	Eu-154	0.0032 U	0.093	0.0037	0.15	0.00 - 0.50
5B-00275	20495	Eu-155	0.069 SK	0.034	0.014	0.231	0.00 - 0.50
5B-00275	20495	Ho-166m	0.0054 U	0.023	0.0036	0.0432	0.00 - 0.50
5B-00275	20495	K-40	23.4	0.17	0.78	32.4	0.00 - 0.50
5B-00275	20495	Na-22	-0.008 U	0.021	0.0064	0.037	0.00 - 0.50
5B-00275	20495	Nb-94	-5E-04 U	0.012	0.0037	0.0214	0.00 - 0.50
5B-00275	20495	Np-236	0.0006 U	0.028	0.0084	0.047	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00275	20495	Np-239	0.002 U	0.085	0.026	0.139	0.00 - 0.50
5B-00275	20495	Pa-231	0.04 U	0.55	0.088	0.936	0.00 - 0.50
5B-00275	20495	Pb-212	1.5	0.031	0.08	2.69	0.00 - 0.50
5B-00275	20495	Pb-214	0.942	0.025	0.036	1.7	0.00 - 0.50
5B-00275	20495	Pu-236	-0.001 U	0.0073	0.0013	7.79	0.00 - 0.50
5B-00275	20495	Pu-238	-6E-04 U	0.0066	0.0012	0.0415	0.00 - 0.50
5B-00275	20495	Pu-239/240	0.0024	0.0022	0.0014	0.0404	0.00 - 0.50
5B-00275	20495	Pu-244	0.004	0.0022	0.0018	0.0313	0.00 - 0.50
5B-00275	20495	Sb-125	0.117 SK	0.039	0.0089	0.354	0.00 - 0.50
5B-00275	20495	Sn-126	-4E-04 U J	0.014	0.0043	0.0237	0.00 - 0.50
5B-00275	20495	Sr-90	0.049	0.05	0.016	0.485	0.00 - 0.50
5B-00275	20495	Te-125m	0.0269 SK	0.009	0.0021	0.0838	0.00 - 0.50
5B-00275	20495	Th-228	1.15	0.014	0.057	3.98	0.00 - 0.50
5B-00275	20495	Th-229	0.0146	0.0085	0.0042	0.145	0.00 - 0.50
5B-00275	20495	Th-230	0.911	0.007	0.047	2.2	0.00 - 0.50
5B-00275	20495	Th-232	1.13	0.007	0.056	3.1	0.00 - 0.50
5B-00275	20495	Th-234	0.437 R	0.16	0.054	3.19	0.00 - 0.50
5B-00275	20495	Tl-208	0.471	0.016	0.019	0.937	0.00 - 0.50
5B-00275	20495	Tm-171	-0.1 U	4.8	1.4	72.4	0.00 - 0.50
5B-00275	20495	U-233/234	0.827	0.011	0.047	2.02	0.00 - 0.50
5B-00275	20495	U-235/236	0.0472	0.0041	0.0087	0.151	0.00 - 0.50
5B-00275	20495	U-238	0.823	0.009	0.047	1.8	0.00 - 0.50
5B-00276	20496	Ac-227	0.064 U	0.14	0.019	0.217	1.00 - 5.00
5B-00276	20496	Ac-228	1.29	0.082	0.046	2.4	1.00 - 5.00
5B-00276	20496	Am-241	0.0006 U	0.0015	0.0006	0.0454	1.00 - 5.00
5B-00276	20496	Bi-212	1.05	0.12	0.071	2.15	1.00 - 5.00
5B-00276	20496	Bi-214	0.878	0.026	0.032	1.59	1.00 - 5.00
5B-00276	20496	Cd-113m	3 U	40	12	3030	1.00 - 5.00
5B-00276	20496	Cm-243/244	0.0022	0.0015	0.0011	0.0443	1.00 - 5.00
5B-00276	20496	Cm-245/246	0.001 U J	0.0097	0.0025	0.0401	1.00 - 5.00
5B-00276	20496	Cm-247/248	0.0021 U	0.0028	0.0015	0.0306	1.00 - 5.00
5B-00276	20496	Co-60	-0.001 U	0.018	0.0054	0.028	1.00 - 5.00
5B-00276	20496	Cs-134	0.0132 U	0.048	0.0044	0.0864	1.00 - 5.00
5B-00276	20496	Cs-137	0 U	0.018	0.003	0.207	1.00 - 5.00
5B-00276	20496	Eu-152	0.013 U	0.037	0.018	0.0566	1.00 - 5.00
5B-00276	20496	Eu-154	0.04	0.076	0.023	0.15	1.00 - 5.00
5B-00276	20496	Eu-155	0.0034 U	0.033	0.0099	0.231	1.00 - 5.00
5B-00276	20496	Ho-166m	0.0252 RSK	0.025	0.0036	0.0432	1.00 - 5.00
5B-00276	20496	K-40	18.5	0.14	0.56	32.4	1.00 - 5.00
5B-00276	20496	Na-22	0.0023 U	0.024	0.0071	0.037	1.00 - 5.00
5B-00276	20496	Nb-94	0.0127 SK	0.011	0.0052	0.0214	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00276	20496	Np-236	-0.009 U	0.031	0.0094	0.047	1.00 - 5.00
5B-00276	20496	Np-239	0.018 U	0.085	0.026	0.139	1.00 - 5.00
5B-00276	20496	Pa-231	-0.01 U	0.58	0.17	0.936	1.00 - 5.00
5B-00276	20496	Pb-212	1.64	0.024	0.067	2.69	1.00 - 5.00
5B-00276	20496	Pb-214	0.978	0.023	0.033	1.7	1.00 - 5.00
5B-00276	20496	Pu-236	-0.001 U	0.0068	0.0014	7.79	1.00 - 5.00
5B-00276	20496	Pu-238	0.0018	0.0046	0.0014	0.0415	1.00 - 5.00
5B-00276	20496	Pu-239/240	0.0009 U	0.0038	0.001	0.0404	1.00 - 5.00
5B-00276	20496	Pu-244	0.0038	0.0017	0.0016	0.0313	1.00 - 5.00
5B-00276	20496	Sb-125	0.144 SK	0.034	0.011	0.354	1.00 - 5.00
5B-00276	20496	Sn-126	-0.001 U	0.015	0.0046	0.0237	1.00 - 5.00
5B-00276	20496	Sr-90	0.0015 U	0.033	0.0095	0.485	1.00 - 5.00
5B-00276	20496	Te-125m	0.0332 SK	0.0079	0.0025	0.0838	1.00 - 5.00
5B-00276	20496	Th-228	1.45	0.019	0.075	3.98	1.00 - 5.00
5B-00276	20496	Th-229	0.0074	0.0098	0.0036	0.145	1.00 - 5.00
5B-00276	20496	Th-230	1	0.01	0.056	2.2	1.00 - 5.00
5B-00276	20496	Th-232	1.41	0.012	0.073	3.1	1.00 - 5.00
5B-00276	20496	Th-234	1.52 R	0.13	0.078	3.19	1.00 - 5.00
5B-00276	20496	Tl-208	0.502	0.015	0.017	0.937	1.00 - 5.00
5B-00276	20496	Tm-171	0.6 U	4.6	1.4	72.4	1.00 - 5.00
5B-00276	20496	U-233/234	0.814	0.004	0.041	2.02	1.00 - 5.00
5B-00276	20496	U-235/236	0.0554	0.0056	0.007	0.151	1.00 - 5.00
5B-00276	20496	U-238	0.85	0.006	0.042	1.8	1.00 - 5.00
5B-00276	20497	Ac-227	0.059 U	0.15	0.052	0.217	0.00 - 0.50
5B-00276	20497	Ac-228	1.23	0.09	0.045	2.4	0.00 - 0.50
5B-00276	20497	Am-241	0.0008 U	0.0055	0.0014	0.0454	0.00 - 0.50
5B-00276	20497	Bi-212	0.998	0.12	0.067	2.15	0.00 - 0.50
5B-00276	20497	Bi-214	0.859	0.026	0.031	1.59	0.00 - 0.50
5B-00276	20497	Cd-113m	-0.4 U	43	13	3030	0.00 - 0.50
5B-00276	20497	Cm-243/244	0.0007 U	0.002	0.0007	0.0443	0.00 - 0.50
5B-00276	20497	Cm-245/246	0.0008 U J	0.0023	0.0008	0.0401	0.00 - 0.50
5B-00276	20497	Cm-247/248	0 U	0.0022	0.0009	0.0306	0.00 - 0.50
5B-00276	20497	Co-60	0.003 U	0.022	0.0035	0.028	0.00 - 0.50
5B-00276	20497	Cs-134	0.0031 U J	0.057	0.0034	0.0864	0.00 - 0.50
5B-00276	20497	Cs-137	0.0689	0.013	0.0067	0.207	0.00 - 0.50
5B-00276	20497	Eu-152	0 U	0.041	0.01	0.0566	0.00 - 0.50
5B-00276	20497	Eu-154	-0.044 U	0.12	0.037	0.15	0.00 - 0.50
5B-00276	20497	Eu-155	0.105 SK	0.036	0.015	0.231	0.00 - 0.50
5B-00276	20497	Ho-166m	0.016 SK	0.027	0.011	0.0432	0.00 - 0.50
5B-00276	20497	K-40	22.5	0.16	0.69	32.4	0.00 - 0.50
5B-00276	20497	Na-22	0.0001 U	0.029	0.0085	0.037	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00276	20497	Nb-94	-0.002 U	0.015	0.0044	0.0214	0.00 - 0.50
5B-00276	20497	Np-236	0.0003 U	0.034	0.01	0.047	0.00 - 0.50
5B-00276	20497	Np-239	-0.001 U	0.093	0.028	0.139	0.00 - 0.50
5B-00276	20497	Pa-231	-0.03 U	0.46	0.14	0.936	0.00 - 0.50
5B-00276	20497	Pb-212	1.56	0.025	0.064	2.69	0.00 - 0.50
5B-00276	20497	Pb-214	0.976	0.03	0.035	1.7	0.00 - 0.50
5B-00276	20497	Pu-236	0.0001 U	0.0059	0.0013	7.79	0.00 - 0.50
5B-00276	20497	Pu-238	0.0001 U	0.0059	0.0013	0.0415	0.00 - 0.50
5B-00276	20497	Pu-239/240	0.0006 U	0.0052	0.0012	0.0404	0.00 - 0.50
5B-00276	20497	Pu-244	0.0017	0.0042	0.0013	0.0313	0.00 - 0.50
5B-00276	20497	Sb-125	0.14 SK	0.045	0.012	0.354	0.00 - 0.50
5B-00276	20497	Sn-126	0.023 J	0.014	0.0071	0.0237	0.00 - 0.50
5B-00276	20497	Sr-90	0.02 U	0.052	0.016	0.485	0.00 - 0.50
5B-00276	20497	Te-125m	0.0325 SK	0.01	0.0027	0.0838	0.00 - 0.50
5B-00276	20497	Th-228	1.02	0.015	0.051	3.98	0.00 - 0.50
5B-00276	20497	Th-229	0.0125	0.014	0.0051	0.145	0.00 - 0.50
5B-00276	20497	Th-230	0.834	0.007	0.043	2.2	0.00 - 0.50
5B-00276	20497	Th-232	1.06	0.008	0.052	3.1	0.00 - 0.50
5B-00276	20497	Th-234	1.55 R	0.15	0.087	3.19	0.00 - 0.50
5B-00276	20497	Tl-208	0.466	0.02	0.019	0.937	0.00 - 0.50
5B-00276	20497	Tm-171	-1.1 U	6.8	2.1	72.4	0.00 - 0.50
5B-00276	20497	U-233/234	0.717	0.016	0.044	2.02	0.00 - 0.50
5B-00276	20497	U-235/236	0.0437	0.0045	0.0088	0.151	0.00 - 0.50
5B-00276	20497	U-238	0.713	0.004	0.043	1.8	0.00 - 0.50
5B-00277	20498	Ac-227	-0.027 U	0.1	0.031	0.217	1.00 - 3.50
5B-00277	20498	Ac-228	1.13	0.058	0.039	2.4	1.00 - 3.50
5B-00277	20498	Am-241	0.0022 U	0.0082	0.0023	0.0454	1.00 - 3.50
5B-00277	20498	Bi-212	0.914	0.1	0.066	2.15	1.00 - 3.50
5B-00277	20498	Bi-214	0.953	0.019	0.035	1.59	1.00 - 3.50
5B-00277	20498	Cd-113m	11 U	31	9.4	3030	1.00 - 3.50
5B-00277	20498	Cm-243/244	-0.002 U	0.016	0.0041	0.0443	1.00 - 3.50
5B-00277	20498	Cm-245/246	0.0082	0.0032	0.0031	0.0401	1.00 - 3.50
5B-00277	20498	Cm-247/248	0.0091	0.0084	0.0037	0.0306	1.00 - 3.50
5B-00277	20498	Co-60	0.0011 U	0.014	0.001	0.028	1.00 - 3.50
5B-00277	20498	Cs-134	0.0129 U	0.043	0.0033	0.0864	1.00 - 3.50
5B-00277	20498	Cs-137	-0.002 U	0.012	0.0036	0.207	1.00 - 3.50
5B-00277	20498	Eu-152	0 U	0.03	0	0.0566	1.00 - 3.50
5B-00277	20498	Eu-154	-0.017 U	0.074	0.022	0.15	1.00 - 3.50
5B-00277	20498	Eu-155	0.092 SK	0.029	0.013	0.231	1.00 - 3.50
5B-00277	20498	Ho-166m	0.0134 RSK	0.018	0.0055	0.0432	1.00 - 3.50
5B-00277	20498	K-40	20.1	0.13	0.66	32.4	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00277	20498	Na-22	0.0003 U	0.018	0.0055	0.037	1.00 - 3.50
5B-00277	20498	Nb-94	0.0028 U	0.011	0.0024	0.0214	1.00 - 3.50
5B-00277	20498	Np-236	-0.003 U	0.023	0.0069	0.047	1.00 - 3.50
5B-00277	20498	Np-239	0.0005 U	0.062	0.019	0.139	1.00 - 3.50
5B-00277	20498	Pa-231	0.12 U	0.48	0.14	0.936	1.00 - 3.50
5B-00277	20498	Pb-212	1.33	0.026	0.071	2.69	1.00 - 3.50
5B-00277	20498	Pb-214	1.06	0.018	0.039	1.7	1.00 - 3.50
5B-00277	20498	Pu-236	-0.001 U	0.0083	0.0015	7.79	1.00 - 3.50
5B-00277	20498	Pu-238	0.002 U	0.0075	0.0021	0.0415	1.00 - 3.50
5B-00277	20498	Pu-239/240	0 U	0.0024	0.0008	0.0404	1.00 - 3.50
5B-00277	20498	Pu-244	0 U	0.0024	0.0008	0.0313	1.00 - 3.50
5B-00277	20498	Sb-125	0.129 SK	0.027	0.009	0.354	1.00 - 3.50
5B-00277	20498	Sn-126	-0.003 U	0.012	0.0036	0.0237	1.00 - 3.50
5B-00277	20498	Sr-90	-0.002 U	0.04	0.012	0.485	1.00 - 3.50
5B-00277	20498	Te-125m	0.0299 SK	0.0063	0.0021	0.0838	1.00 - 3.50
5B-00277	20498	Th-228	1.21	0.028	0.065	3.98	1.00 - 3.50
5B-00277	20498	Th-229	0.0062	0.017	0.005	0.145	1.00 - 3.50
5B-00277	20498	Th-230	1.16	0.012	0.062	2.2	1.00 - 3.50
5B-00277	20498	Th-232	1.22	0.014	0.065	3.1	1.00 - 3.50
5B-00277	20498	Th-234	1.42 R	0.12	0.08	3.19	1.00 - 3.50
5B-00277	20498	Tl-208	0.436	0.014	0.017	0.937	1.00 - 3.50
5B-00277	20498	Tm-171	-0.05 U	5	1.5	72.4	1.00 - 3.50
5B-00277	20498	U-233/234	0.827	0.01	0.046	2.02	1.00 - 3.50
5B-00277	20498	U-235/236	0.0441	0.013	0.0085	0.151	1.00 - 3.50
5B-00277	20498	U-238	0.839	0.01	0.047	1.8	1.00 - 3.50
5B-00277	20499	Ac-227	2.05 KRZ	0.12	0.1	0.217	0.00 - 0.50
5B-00277	20499	Ac-228	1.13	0.068	0.04	2.4	0.00 - 0.50
5B-00277	20499	Am-241	0.0049	0.0026	0.0022	0.0454	0.00 - 0.50
5B-00277	20499	Bi-212	0.99	0.13	0.086	2.15	0.00 - 0.50
5B-00277	20499	Bi-214	0.9	0.021	0.034	1.59	0.00 - 0.50
5B-00277	20499	Cd-113m	1 U	34	10	3030	0.00 - 0.50
5B-00277	20499	Cm-243/244	0.001 U	0.0026	0.001	0.0443	0.00 - 0.50
5B-00277	20499	Cm-245/246	0.0028	0.0019	0.0014	0.0401	0.00 - 0.50
5B-00277	20499	Cm-247/248	0.0021	0.0051	0.0016	0.0306	0.00 - 0.50
5B-00277	20499	Co-60	0.0034 U	0.01	0.0031	0.028	0.00 - 0.50
5B-00277	20499	Cs-134	0.0119 U	0.046	0.0031	0.0864	0.00 - 0.50
5B-00277	20499	Cs-137	0.0858	0.01	0.0058	0.207	0.00 - 0.50
5B-00277	20499	Eu-152	0.0104 U	0.032	0.0077	0.0566	0.00 - 0.50
5B-00277	20499	Eu-154	-0.004 U	0.074	0.0074	0.15	0.00 - 0.50
5B-00277	20499	Eu-155	0.074 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00277	20499	Ho-166m	0.0025 U	0.02	0.002	0.0432	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00277	20499	K-40	22.6	0.13	0.75	32.4	0.00 - 0.50
5B-00277	20499	Na-22	-3E-04 U	0.016	0.0047	0.037	0.00 - 0.50
5B-00277	20499	Nb-94	0.0044 U	0.011	0.0034	0.0214	0.00 - 0.50
5B-00277	20499	Np-236	0.0061 U	0.025	0.0077	0.047	0.00 - 0.50
5B-00277	20499	Np-239	0.02 U	0.076	0.023	0.139	0.00 - 0.50
5B-00277	20499	Pa-231	0.13 U	0.5	0.15	0.936	0.00 - 0.50
5B-00277	20499	Pb-212	1.41	0.028	0.075	2.69	0.00 - 0.50
5B-00277	20499	Pb-214	1.06	0.023	0.04	1.7	0.00 - 0.50
5B-00277	20499	Pu-236	0 U	0.002	0.0007	7.79	0.00 - 0.50
5B-00277	20499	Pu-238	0.0023	0.002	0.0013	0.0415	0.00 - 0.50
5B-00277	20499	Pu-239/240	0.0015	0.002	0.0011	0.0404	0.00 - 0.50
5B-00277	20499	Pu-244	0.0053	0.002	0.002	0.0313	0.00 - 0.50
5B-00277	20499	Sb-125	0.121 JSK	0.036	0.0093	0.354	0.00 - 0.50
5B-00277	20499	Sn-126	0.0033 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00277	20499	Sr-90	-0.005 U	0.033	0.0095	0.485	0.00 - 0.50
5B-00277	20499	Te-125m	0.028 JSK	0.0084	0.0022	0.0838	0.00 - 0.50
5B-00277	20499	Th-228	1.13	0.015	0.058	3.98	0.00 - 0.50
5B-00277	20499	Th-229	0.0102	0.0028	0.0032	0.145	0.00 - 0.50
5B-00277	20499	Th-230	0.883	0.011	0.048	2.2	0.00 - 0.50
5B-00277	20499	Th-232	1.13	0.003	0.058	3.1	0.00 - 0.50
5B-00277	20499	Th-234	1.31 R	0.13	0.078	3.19	0.00 - 0.50
5B-00277	20499	Tl-208	0.451	0.014	0.018	0.937	0.00 - 0.50
5B-00277	20499	Tm-171	-3.4 L U J	5.2	1.6	72.4	0.00 - 0.50
5B-00277	20499	U-233/234	0.866	0.01	0.048	2.02	0.00 - 0.50
5B-00277	20499	U-235/236	0.0583	0.01	0.0095	0.151	0.00 - 0.50
5B-00277	20499	U-238	0.848	0.01	0.047	1.8	0.00 - 0.50
5B-00278	20500	Ac-227	0.023 U	0.079	0.041	0.217	1.00 - 3.00
5B-00278	20500	Ac-228	1.23	0.056	0.042	2.4	1.00 - 3.00
5B-00278	20500	Am-241	0.0015 U	0.002	0.0011	0.0454	1.00 - 3.00
5B-00278	20500	Bi-212	1.02	0.093	0.063	2.15	1.00 - 3.00
5B-00278	20500	Bi-214	0.814	0.021	0.031	1.59	1.00 - 3.00
5B-00278	20500	Cd-113m	3.4 U	32	9.5	3030	1.00 - 3.00
5B-00278	20500	Cm-243/244	0.0022	0.002	0.0013	0.0443	1.00 - 3.00
5B-00278	20500	Cm-245/246	0 U J	0.0079	0.0016	0.0401	1.00 - 3.00
5B-00278	20500	Cm-247/248	0.0021 U	0.0029	0.0015	0.0306	1.00 - 3.00
5B-00278	20500	Co-60	0.0012 U	0.013	0.0018	0.028	1.00 - 3.00
5B-00278	20500	Cs-134	0.0158 U	0.032	0.0041	0.0864	1.00 - 3.00
5B-00278	20500	Cs-137	0.006	0.012	0.0035	0.207	1.00 - 3.00
5B-00278	20500	Eu-152	0.0128 U	0.029	0.0083	0.0566	1.00 - 3.00
5B-00278	20500	Eu-154	-0.023 U	0.069	0.021	0.15	1.00 - 3.00
5B-00278	20500	Eu-155	0.072 SK	0.03	0.013	0.231	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00278	20500	Ho-166m	0.0025 U R	0.018	0.0026	0.0432	1.00 - 3.00
5B-00278	20500	K-40	19.1	0.12	0.63	32.4	1.00 - 3.00
5B-00278	20500	Na-22	-2E-04 U	0.013	0.0039	0.037	1.00 - 3.00
5B-00278	20500	Nb-94	0.0045 U	0.0098	0.003	0.0214	1.00 - 3.00
5B-00278	20500	Np-236	-0.011 U	0.025	0.0077	0.047	1.00 - 3.00
5B-00278	20500	Np-239	0.001 U	0.071	0.021	0.139	1.00 - 3.00
5B-00278	20500	Pa-231	0.04 U	0.42	0.13	0.936	1.00 - 3.00
5B-00278	20500	Pb-212	1.57	0.019	0.083	2.69	1.00 - 3.00
5B-00278	20500	Pb-214	0.917	0.019	0.034	1.7	1.00 - 3.00
5B-00278	20500	Pu-236	0.0001 U	0.0058	0.0013	7.79	1.00 - 3.00
5B-00278	20500	Pu-238	0.0021	0.0019	0.0012	0.0415	1.00 - 3.00
5B-00278	20500	Pu-239/240	0.0014 U	0.0019	0.001	0.0404	1.00 - 3.00
5B-00278	20500	Pu-244	0.0014 U	0.0019	0.001	0.0313	1.00 - 3.00
5B-00278	20500	Sb-125	0.156 SK	0.028	0.0098	0.354	1.00 - 3.00
5B-00278	20500	Sn-126	0.0036 U	0.011	0.0033	0.0237	1.00 - 3.00
5B-00278	20500	Sr-90	0.011 U	0.039	0.012	0.485	1.00 - 3.00
5B-00278	20500	Te-125m	0.0361 SK	0.0064	0.0023	0.0838	1.00 - 3.00
5B-00278	20500	Th-228	1.34	0.025	0.07	3.98	1.00 - 3.00
5B-00278	20500	Th-229	0.0056	0.013	0.0041	0.145	1.00 - 3.00
5B-00278	20500	Th-230	0.936	0.013	0.052	2.2	1.00 - 3.00
5B-00278	20500	Th-232	1.29	0.003	0.067	3.1	1.00 - 3.00
5B-00278	20500	Th-234	1.42 R	0.12	0.08	3.19	1.00 - 3.00
5B-00278	20500	Tl-208	0.478	0.013	0.018	0.937	1.00 - 3.00
5B-00278	20500	Tm-171	-2.7 U	4.7	1.4	72.4	1.00 - 3.00
5B-00278	20500	U-233/234	0.808	0.008	0.042	2.02	1.00 - 3.00
5B-00278	20500	U-235/236	0.0437	0.0026	0.0068	0.151	1.00 - 3.00
5B-00278	20500	U-238	0.814	0.007	0.042	1.8	1.00 - 3.00
5B-00278	20501	Ac-227	0.037 U	0.14	0.016	0.217	0.00 - 0.50
5B-00278	20501	Ac-228	1.25	0.098	0.045	2.4	0.00 - 0.50
5B-00278	20501	Am-241	0 U	0.0073	0.0015	0.0454	0.00 - 0.50
5B-00278	20501	Bi-212	1.09	0.15	0.085	2.15	0.00 - 0.50
5B-00278	20501	Bi-214	0.937	0.026	0.033	1.59	0.00 - 0.50
5B-00278	20501	Cd-113m	0.3 U	42	13	3030	0.00 - 0.50
5B-00278	20501	Cm-243/244	0 U	0.0026	0.0011	0.0443	0.00 - 0.50
5B-00278	20501	Cm-245/246	0.0022 U	0.003	0.0015	0.0401	0.00 - 0.50
5B-00278	20501	Cm-247/248	0.0021 U	0.0029	0.0015	0.0306	0.00 - 0.50
5B-00278	20501	Co-60	0.0041 U	0.02	0.0058	0.028	0.00 - 0.50
5B-00278	20501	Cs-134	0.0138 SK	0.018	0.0055	0.0864	0.00 - 0.50
5B-00278	20501	Cs-137	0.0945	0.018	0.008	0.207	0.00 - 0.50
5B-00278	20501	Eu-152	0.0005 U	0.039	0.012	0.0566	0.00 - 0.50
5B-00278	20501	Eu-154	0.006 U	0.1	0.021	0.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00278	20501	Eu-155	0.094 SK	0.035	0.014	0.231	0.00 - 0.50
5B-00278	20501	Ho-166m	0.0072 U	0.027	0.0072	0.0432	0.00 - 0.50
5B-00278	20501	K-40	20.3	0.16	0.62	32.4	0.00 - 0.50
5B-00278	20501	Na-22	0.0002 U	0.026	0.0076	0.037	0.00 - 0.50
5B-00278	20501	Nb-94	0.0039 U	0.015	0.0033	0.0214	0.00 - 0.50
5B-00278	20501	Np-236	-0.008 U	0.031	0.0092	0.047	0.00 - 0.50
5B-00278	20501	Np-239	0.018 U	0.089	0.027	0.139	0.00 - 0.50
5B-00278	20501	Pa-231	0.14 U	0.6	0.18	0.936	0.00 - 0.50
5B-00278	20501	Pb-212	1.67	0.025	0.068	2.69	0.00 - 0.50
5B-00278	20501	Pb-214	1.06	0.027	0.036	1.7	0.00 - 0.50
5B-00278	20501	Pu-236	0 U	0.002	0.0006	7.79	0.00 - 0.50
5B-00278	20501	Pu-238	0.0067	0.002	0.0022	0.0415	0.00 - 0.50
5B-00278	20501	Pu-239/240	0.0052	0.002	0.002	0.0404	0.00 - 0.50
5B-00278	20501	Pu-244	0.0022	0.002	0.0013	0.0313	0.00 - 0.50
5B-00278	20501	Sb-125	0.157 JSK	0.046	0.013	0.354	0.00 - 0.50
5B-00278	20501	Sn-126	0.0019 U	0.016	0.0048	0.0237	0.00 - 0.50
5B-00278	20501	Sr-90	0.036	0.034	0.011	0.485	0.00 - 0.50
5B-00278	20501	Te-125m	0.0362 JSK	0.011	0.003	0.0838	0.00 - 0.50
5B-00278	20501	Th-228	1.27	0.02	0.065	3.98	0.00 - 0.50
5B-00278	20501	Th-229	0.0193	0.01	0.0052	0.145	0.00 - 0.50
5B-00278	20501	Th-230	0.855	0.01	0.047	2.2	0.00 - 0.50
5B-00278	20501	Th-232	1.16	0.008	0.06	3.1	0.00 - 0.50
5B-00278	20501	Th-234	0.413 R	0.17	0.053	3.19	0.00 - 0.50
5B-00278	20501	Tl-208	0.497	0.019	0.019	0.937	0.00 - 0.50
5B-00278	20501	Tm-171	0 U	6.1	2	72.4	0.00 - 0.50
5B-00278	20501	U-233/234	0.871	0.008	0.048	2.02	0.00 - 0.50
5B-00278	20501	U-235/236	0.0519	0.01	0.0089	0.151	0.00 - 0.50
5B-00278	20501	U-238	0.843	0.014	0.047	1.8	0.00 - 0.50
5B-00279	20502	Ac-227	0.037 U	0.15	0.045	0.217	1.00 - 3.50
5B-00279	20502	Ac-228	1.15	0.085	0.052	2.4	1.00 - 3.50
5B-00279	20502	Am-241	-0.007 U	0.017	0.004	0.0454	1.00 - 3.50
5B-00279	20502	Bi-212	0.953	0.11	0.062	2.15	1.00 - 3.50
5B-00279	20502	Bi-214	0.861	0.027	0.031	1.59	1.00 - 3.50
5B-00279	20502	Cd-113m	0.0002 U	43	13	3030	1.00 - 3.50
5B-00279	20502	Cm-243/244	0 U	0.0025	0.001	0.0443	1.00 - 3.50
5B-00279	20502	Cm-245/246	0 U J	0.0091	0.0018	0.0401	1.00 - 3.50
5B-00279	20502	Cm-247/248	0 U J	0.011	0.0026	0.0306	1.00 - 3.50
5B-00279	20502	Co-60	0.0023 U	0.02	0.006	0.028	1.00 - 3.50
5B-00279	20502	Cs-134	0.005 U	0.052	0.011	0.0864	1.00 - 3.50
5B-00279	20502	Cs-137	0.0021 U	0.013	0.0039	0.207	1.00 - 3.50
5B-00279	20502	Eu-152	-0.011 U	0.039	0.012	0.0566	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00279	20502	Eu-154	-0.045 U	0.11	0.033	0.15	1.00 - 3.50
5B-00279	20502	Eu-155	0.083 SK	0.032	0.013	0.231	1.00 - 3.50
5B-00279	20502	Ho-166m	0.0021 U	0.027	0.0017	0.0432	1.00 - 3.50
5B-00279	20502	K-40	19.5	0.15	0.6	32.4	1.00 - 3.50
5B-00279	20502	Na-22	-0.003 U	0.026	0.0076	0.037	1.00 - 3.50
5B-00279	20502	Nb-94	0.0056 U	0.015	0.0046	0.0214	1.00 - 3.50
5B-00279	20502	Np-236	-0.011 U	0.03	0.0091	0.047	1.00 - 3.50
5B-00279	20502	Np-239	-0.013 U	0.091	0.027	0.139	1.00 - 3.50
5B-00279	20502	Pa-231	0.0002 U	0.61	0.18	0.936	1.00 - 3.50
5B-00279	20502	Pb-212	1.54	0.023	0.063	2.69	1.00 - 3.50
5B-00279	20502	Pb-214	1	0.03	0.036	1.7	1.00 - 3.50
5B-00279	20502	Pu-236	-0.001 U	0.0045	0.0008	7.79	1.00 - 3.50
5B-00279	20502	Pu-238	-5E-04 U	0.0052	0.0012	0.0415	1.00 - 3.50
5B-00279	20502	Pu-239/240	-5E-04 U	0.0036	0.0005	0.0404	1.00 - 3.50
5B-00279	20502	Pu-244	0.001 U	0.0013	0.0007	0.0313	1.00 - 3.50
5B-00279	20502	Sb-125	0.15 SK	0.042	0.012	0.354	1.00 - 3.50
5B-00279	20502	Sn-126	0.0033 U	0.017	0.005	0.0237	1.00 - 3.50
5B-00279	20502	Sr-90	0.022 U	0.041	0.012	0.485	1.00 - 3.50
5B-00279	20502	Te-125m	0.0347 SK	0.0097	0.0028	0.0838	1.00 - 3.50
5B-00279	20502	Th-228	1.36	0.02	0.069	3.98	1.00 - 3.50
5B-00279	20502	Th-229	0.0066	0.0036	0.003	0.145	1.00 - 3.50
5B-00279	20502	Th-230	0.995	0.003	0.053	2.2	1.00 - 3.50
5B-00279	20502	Th-232	1.32	0.008	0.067	3.1	1.00 - 3.50
5B-00279	20502	Th-234	0.414	0.16	0.052	3.19	1.00 - 3.50
5B-00279	20502	Tl-208	0.479	0.018	0.018	0.937	1.00 - 3.50
5B-00279	20502	Tm-171	1.1 U	4.3	1.3	72.4	1.00 - 3.50
5B-00279	20502	U-233/234	0.784	0.003	0.045	2.02	1.00 - 3.50
5B-00279	20502	U-235/236	0.0462	0.0042	0.0087	0.151	1.00 - 3.50
5B-00279	20502	U-238	0.844	0.011	0.048	1.8	1.00 - 3.50
5B-00279	20503	Ac-227	0.008 U	0.15	0.044	0.217	0.00 - 0.50
5B-00279	20503	Ac-228	1.14	0.088	0.044	2.4	0.00 - 0.50
5B-00279	20503	Am-241	0.002 U	0.0075	0.0021	0.0454	0.00 - 0.50
5B-00279	20503	Bi-212	0.945	0.12	0.071	2.15	0.00 - 0.50
5B-00279	20503	Bi-214	0.922	0.029	0.035	1.59	0.00 - 0.50
5B-00279	20503	Cd-113m	-5 U	45	13	3030	0.00 - 0.50
5B-00279	20503	Cm-243/244	0 U	0.0074	0.0015	0.0443	0.00 - 0.50
5B-00279	20503	Cm-245/246	0.002	0.0018	0.0012	0.0401	0.00 - 0.50
5B-00279	20503	Cm-247/248	0 U	0.0018	0.0007	0.0306	0.00 - 0.50
5B-00279	20503	Co-60	0.0143	0.011	0.0048	0.028	0.00 - 0.50
5B-00279	20503	Cs-134	-7E-04 U	0.066	0.0012	0.0864	0.00 - 0.50
5B-00279	20503	Cs-137	0.0659	0.014	0.0078	0.207	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00279	20503	Eu-152	-0.016 U	0.041	0.012	0.0566	0.00 - 0.50
5B-00279	20503	Eu-154	0.0097 U	0.093	0.0067	0.15	0.00 - 0.50
5B-00279	20503	Eu-155	0.091 SK	0.052	0.023	0.231	0.00 - 0.50
5B-00279	20503	Ho-166m	0.0111 SK	0.017	0.006	0.0432	0.00 - 0.50
5B-00279	20503	K-40	21.3	0.11	0.64	32.4	0.00 - 0.50
5B-00279	20503	Na-22	0.0092 U	0.023	0.0071	0.037	0.00 - 0.50
5B-00279	20503	Nb-94	0.0041 U	0.015	0.0044	0.0214	0.00 - 0.50
5B-00279	20503	Np-236	0.0125 U	0.029	0.0089	0.047	0.00 - 0.50
5B-00279	20503	Np-239	0.022 U	0.096	0.029	0.139	0.00 - 0.50
5B-00279	20503	Pa-231	0.17 U	0.43	0.12	0.936	0.00 - 0.50
5B-00279	20503	Pb-212	1.26	0.036	0.042	2.69	0.00 - 0.50
5B-00279	20503	Pb-214	0.99	0.026	0.043	1.7	0.00 - 0.50
5B-00279	20503	Pu-236	0 U	0.0022	0.0007	7.79	0.00 - 0.50
5B-00279	20503	Pu-238	0.0032	0.0022	0.0016	0.0415	0.00 - 0.50
5B-00279	20503	Pu-239/240	0.0056	0.0022	0.0021	0.0404	0.00 - 0.50
5B-00279	20503	Pu-244	0.0024	0.0022	0.0014	0.0313	0.00 - 0.50
5B-00279	20503	Sb-125	0.143 JSK	0.047	0.012	0.354	0.00 - 0.50
5B-00279	20503	Sn-126	-0.003 U	0.016	0.0048	0.0237	0.00 - 0.50
5B-00279	20503	Sr-90	-0.005 U	0.033	0.0094	0.485	0.00 - 0.50
5B-00279	20503	Te-125m	0.0329 JSK	0.011	0.0028	0.0838	0.00 - 0.50
5B-00279	20503	Th-228	1.15	0.017	0.059	3.98	0.00 - 0.50
5B-00279	20503	Th-229	0.0086	0.0099	0.0038	0.145	0.00 - 0.50
5B-00279	20503	Th-230	0.844	0.011	0.045	2.2	0.00 - 0.50
5B-00279	20503	Th-232	1.11	0.003	0.057	3.1	0.00 - 0.50
5B-00279	20503	Th-234	1.25 R	0.21	0.077	3.19	0.00 - 0.50
5B-00279	20503	Tl-208	0.479	0.019	0.019	0.937	0.00 - 0.50
5B-00279	20503	Tm-171	-10.4 R U J	10	3.1	72.4	0.00 - 0.50
5B-00279	20503	U-233/234	0.858	0.014	0.049	2.02	0.00 - 0.50
5B-00279	20503	U-235/236	0.0395	0.012	0.0085	0.151	0.00 - 0.50
5B-00279	20503	U-238	0.852	0.004	0.049	1.8	0.00 - 0.50
5B-00284	20504	Ac-227	0.38 RZ	0.14	0.017	0.217	0.00 - 0.50
5B-00284	20504	Ac-228	1.21	0.083	0.041	2.4	0.00 - 0.50
5B-00284	20504	Am-241	0 U	0.0097	0.0024	0.0454	0.00 - 0.50
5B-00284	20504	Bi-212	0.944	0.12	0.071	2.15	0.00 - 0.50
5B-00284	20504	Bi-214	0.83	0.028	0.031	1.59	0.00 - 0.50
5B-00284	20504	Cd-113m	8 U	41	12	3030	0.00 - 0.50
5B-00284	20504	Cm-243/244	0 U	0.0021	0.0009	0.0443	0.00 - 0.50
5B-00284	20504	Cm-245/246	0.0019 U J	0.0026	0.0013	0.0401	0.00 - 0.50
5B-00284	20504	Cm-247/248	-9E-04 U	0.0068	0.001	0.0306	0.00 - 0.50
5B-00284	20504	Co-60	0.0003 U	0.019	0.0055	0.028	0.00 - 0.50
5B-00284	20504	Cs-134	0.0138 U J	0.052	0.0061	0.0864	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00284	20504	Cs-137	0.107	0.013	0.0077	0.207	0.00 - 0.50
5B-00284	20504	Eu-152	-0.01 U	0.039	0.012	0.0566	0.00 - 0.50
5B-00284	20504	Eu-154	-0.013 U	0.11	0.033	0.15	0.00 - 0.50
5B-00284	20504	Eu-155	0.075 RSK	0.031	0.012	0.231	0.00 - 0.50
5B-00284	20504	Ho-166m	0.0076 U	0.026	0.006	0.0432	0.00 - 0.50
5B-00284	20504	K-40	19.3	0.13	0.58	32.4	0.00 - 0.50
5B-00284	20504	Na-22	-0.002 U	0.025	0.0075	0.037	0.00 - 0.50
5B-00284	20504	Nb-94	0.004 U	0.015	0.0045	0.0214	0.00 - 0.50
5B-00284	20504	Np-236	-6E-04 U	0.023	0.0068	0.047	0.00 - 0.50
5B-00284	20504	Np-239	-0.018 U	0.087	0.026	0.139	0.00 - 0.50
5B-00284	20504	Pa-231	0.03 U	0.6	0.18	0.936	0.00 - 0.50
5B-00284	20504	Pb-212	1.61	0.023	0.066	2.69	0.00 - 0.50
5B-00284	20504	Pb-214	0.898	0.023	0.031	1.7	0.00 - 0.50
5B-00284	20504	Pu-236	-5E-04 U	0.0036	0.0006	7.79	0.00 - 0.50
5B-00284	20504	Pu-238	-0.002 U	0.0059	0.0012	0.0415	0.00 - 0.50
5B-00284	20504	Pu-239/240	0 U	0.0036	0.0007	0.0404	0.00 - 0.50
5B-00284	20504	Pu-244	0.0015 U	0.0046	0.0014	0.0313	0.00 - 0.50
5B-00284	20504	Sb-125	0.127 SK	0.042	0.01	0.354	0.00 - 0.50
5B-00284	20504	Sn-126	0 U	0.016	0.0034	0.0237	0.00 - 0.50
5B-00284	20504	Sr-90	0.0163 U	0.032	0.0098	0.485	0.00 - 0.50
5B-00284	20504	Te-125m	0.0293 SK	0.0098	0.0024	0.0838	0.00 - 0.50
5B-00284	20504	Th-228	1.33	0.015	0.066	3.98	0.00 - 0.50
5B-00284	20504	Th-229	0.006	0.0023	0.0023	0.145	0.00 - 0.50
5B-00284	20504	Th-229	0.0113	0.012	0.0046	0.145	0.00 - 0.50
5B-00284	20504	Th-230	0.874	0.007	0.046	2.2	0.00 - 0.50
5B-00284	20504	Th-232	1.16	0.007	0.059	3.1	0.00 - 0.50
5B-00284	20504	Th-234	2.13	0.15	0.1	3.19	0.00 - 0.50
5B-00284	20504	Tl-208	0.494	0.018	0.019	0.937	0.00 - 0.50
5B-00284	20504	Tm-171	5.2	4.9	1.9	72.4	0.00 - 0.50
5B-00284	20504	U-233/234	1.35	0.009	0.068	2.02	0.00 - 0.50
5B-00284	20504	U-235/236	0.0591	0.0033	0.0089	0.151	0.00 - 0.50
5B-00284	20504	U-238	1.3	0.007	0.066	1.8	0.00 - 0.50
5B-00285	20505	Ac-227	0.055	0.095	0.026	0.217	0.00 - 0.50
5B-00285	20505	Ac-228	1.03	0.091	0.039	2.4	0.00 - 0.50
5B-00285	20505	Am-241	0.0021 U	0.011	0.003	0.0454	0.00 - 0.50
5B-00285	20505	Bi-212	0.873	0.12	0.071	2.15	0.00 - 0.50
5B-00285	20505	Bi-214	0.842	0.024	0.03	1.59	0.00 - 0.50
5B-00285	20505	Cd-113m	13 U	37	11	3030	0.00 - 0.50
5B-00285	20505	Cm-243/244	-0.001 U	0.011	0.0024	0.0443	0.00 - 0.50
5B-00285	20505	Cm-245/246	0.0026 J	0.0023	0.0015	0.0401	0.00 - 0.50
5B-00285	20505	Cm-247/248	0 U	0.0062	0.0013	0.0306	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00285	20505	Co-60	0.0013 U	0.013	0.0039	0.028	0.00 - 0.50
5B-00285	20505	Cs-134	0.0133 U	0.05	0.0047	0.0864	0.00 - 0.50
5B-00285	20505	Cs-137	0.0588	0.012	0.0059	0.207	0.00 - 0.50
5B-00285	20505	Eu-152	-0.012 U	0.036	0.011	0.0566	0.00 - 0.50
5B-00285	20505	Eu-154	-0.031 U	0.1	0.03	0.15	0.00 - 0.50
5B-00285	20505	Eu-155	0.069 SK	0.032	0.013	0.231	0.00 - 0.50
5B-00285	20505	Ho-166m	-0.003 U	0.024	0.0037	0.0432	0.00 - 0.50
5B-00285	20505	K-40	19.6	0.15	0.6	32.4	0.00 - 0.50
5B-00285	20505	Na-22	-0.003 U	0.023	0.0069	0.037	0.00 - 0.50
5B-00285	20505	Nb-94	0.0044 U	0.014	0.0031	0.0214	0.00 - 0.50
5B-00285	20505	Np-236	0.0024 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00285	20505	Np-239	0 U	0.082	0.014	0.139	0.00 - 0.50
5B-00285	20505	Pa-231	0.008 U	0.57	0.17	0.936	0.00 - 0.50
5B-00285	20505	Pb-212	1.31	0.025	0.054	2.69	0.00 - 0.50
5B-00285	20505	Pb-214	0.88	0.022	0.029	1.7	0.00 - 0.50
5B-00285	20505	Pu-236	-5E-04 U	0.0048	0.0005	7.79	0.00 - 0.50
5B-00285	20505	Pu-238	-0.001 U	0.0058	0.0008	0.0415	0.00 - 0.50
5B-00285	20505	Pu-239/240	0.0003 U	0.0048	0.001	0.0404	0.00 - 0.50
5B-00285	20505	Pu-244	0.0048	0.0022	0.002	0.0313	0.00 - 0.50
5B-00285	20505	Sb-125	0.125 SK	0.039	0.01	0.354	0.00 - 0.50
5B-00285	20505	Sn-126	0.0032 U	0.015	0.0046	0.0237	0.00 - 0.50
5B-00285	20505	Sr-90	-0.019 U	0.039	0.01	0.485	0.00 - 0.50
5B-00285	20505	Te-125m	0.029 SK	0.009	0.0024	0.0838	0.00 - 0.50
5B-00285	20505	Th-228	0.919	0.014	0.048	3.98	0.00 - 0.50
5B-00285	20505	Th-229	0.0044	0.0082	0.0027	0.145	0.00 - 0.50
5B-00285	20505	Th-230	0.732	0.002	0.04	2.2	0.00 - 0.50
5B-00285	20505	Th-232	0.96	0.007	0.05	3.1	0.00 - 0.50
5B-00285	20505	Th-234	1.27 R	0.13	0.073	3.19	0.00 - 0.50
5B-00285	20505	Tl-208	0.44	0.016	0.017	0.937	0.00 - 0.50
5B-00285	20505	Tm-171	-0.1 U	5.8	1.8	72.4	0.00 - 0.50
5B-00285	20505	U-233/234	0.836	0.003	0.047	2.02	0.00 - 0.50
5B-00285	20505	U-235/236	0.0494	0.011	0.009	0.151	0.00 - 0.50
5B-00285	20505	U-238	0.808	0.009	0.046	1.8	0.00 - 0.50
5B-00286	20506	Ac-227	0.03 U	0.14	0.034	0.217	0.00 - 0.50
5B-00286	20506	Ac-228	1.25	0.078	0.046	2.4	0.00 - 0.50
5B-00286	20506	Am-241	0.0015 U	0.002	0.0011	0.0454	0.00 - 0.50
5B-00286	20506	Bi-212	0.975	0.12	0.07	2.15	0.00 - 0.50
5B-00286	20506	Bi-214	0.88	0.025	0.034	1.59	0.00 - 0.50
5B-00286	20506	Cd-113m	13 U	39	12	3030	0.00 - 0.50
5B-00286	20506	Cm-243/244	0.0007 U	0.002	0.0007	0.0443	0.00 - 0.50
5B-00286	20506	Cm-245/246	0.0011 U J	0.0031	0.0011	0.0401	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00286	20506	Cm-247/248	0 U	0.003	0.0012	0.0306	0.00 - 0.50
5B-00286	20506	Co-60	0.004 U	0.017	0.0027	0.028	0.00 - 0.50
5B-00286	20506	Cs-134	0.0188 U J	0.051	0.0047	0.0864	0.00 - 0.50
5B-00286	20506	Cs-137	0.118	0.012	0.0077	0.207	0.00 - 0.50
5B-00286	20506	Eu-152	0.0047 U	0.029	0.0087	0.0566	0.00 - 0.50
5B-00286	20506	Eu-154	0.0055 U	0.085	0.0075	0.15	0.00 - 0.50
5B-00286	20506	Eu-155	0.094 SK	0.033	0.014	0.231	0.00 - 0.50
5B-00286	20506	Ho-166m	0.0399 SK	0.023	0.0055	0.0432	0.00 - 0.50
5B-00286	20506	K-40	22.7	0.16	0.76	32.4	0.00 - 0.50
5B-00286	20506	Na-22	0.0024 U	0.022	0.0067	0.037	0.00 - 0.50
5B-00286	20506	Nb-94	0.0086 SK	0.013	0.0039	0.0214	0.00 - 0.50
5B-00286	20506	Np-236	-1E-04 U	0.031	0.0092	0.047	0.00 - 0.50
5B-00286	20506	Np-239	-0.013 U	0.083	0.025	0.139	0.00 - 0.50
5B-00286	20506	Pa-231	0.13 U	0.57	0.13	0.936	0.00 - 0.50
5B-00286	20506	Pb-212	1.53	0.032	0.082	2.69	0.00 - 0.50
5B-00286	20506	Pb-214	0.992	0.027	0.037	1.7	0.00 - 0.50
5B-00286	20506	Pu-236	-3E-04 U	0.0068	0.0014	7.79	0.00 - 0.50
5B-00286	20506	Pu-238	-9E-04 U	0.0054	0.0007	0.0415	0.00 - 0.50
5B-00286	20506	Pu-239/240	-1E-04 U	0.0054	0.001	0.0404	0.00 - 0.50
5B-00286	20506	Pu-244	0.003	0.002	0.0015	0.0313	0.00 - 0.50
5B-00286	20506	Sb-125	0.138 SK	0.04	0.011	0.354	0.00 - 0.50
5B-00286	20506	Sn-126	0 U J	0.015	0.0044	0.0237	0.00 - 0.50
5B-00286	20506	Sr-90	0.012 U	0.06	0.018	0.485	0.00 - 0.50
5B-00286	20506	Te-125m	0.0319 SK	0.0093	0.0026	0.0838	0.00 - 0.50
5B-00286	20506	Th-228	1.09	0.011	0.054	3.98	0.00 - 0.50
5B-00286	20506	Th-229	0.0089	0.0068	0.003	0.145	0.00 - 0.50
5B-00286	20506	Th-230	0.71	0.007	0.038	2.2	0.00 - 0.50
5B-00286	20506	Th-232	1.01	0.006	0.05	3.1	0.00 - 0.50
5B-00286	20506	Th-234	1.63 R	0.15	0.095	3.19	0.00 - 0.50
5B-00286	20506	Tl-208	0.47	0.019	0.02	0.937	0.00 - 0.50
5B-00286	20506	Tm-171	-6.4 R U	5.1	1.6	72.4	0.00 - 0.50
5B-00286	20506	U-233/234	0.478	0.007	0.027	2.02	0.00 - 0.50
5B-00286	20506	U-235/236	0.0251	0.0078	0.005	0.151	0.00 - 0.50
5B-00286	20506	U-238	0.49	0.005	0.027	1.8	0.00 - 0.50
5B-00304	20507	Ac-227	0.013 U	0.14	0.048	0.217	1.00 - 4.00
5B-00304	20507	Ac-228	1.41	0.097	0.053	2.4	1.00 - 4.00
5B-00304	20507	Am-241	0.0041	0.0076	0.0025	0.0454	1.00 - 4.00
5B-00304	20507	Bi-212	1.18	0.13	0.079	2.15	1.00 - 4.00
5B-00304	20507	Bi-214	1.05	0.028	0.037	1.59	1.00 - 4.00
5B-00304	20507	C-14	0.0168	0.021	0.0066	2.96	1.00 - 4.00
5B-00304	20507	Cd-113m	0.0001 U	45	13	3030	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00304	20507	Cm-243/244	0.0032	0.0022	0.0016	0.0443	1.00 - 4.00
5B-00304	20507	Cm-245/246	0.0041	0.0095	0.0029	0.0401	1.00 - 4.00
5B-00304	20507	Cm-247/248	0.002 U	0.0027	0.0014	0.0306	1.00 - 4.00
5B-00304	20507	Co-60	0.0044 U	0.02	0.0052	0.028	1.00 - 4.00
5B-00304	20507	Cs-134	0.0212 U	0.061	0.0067	0.0864	1.00 - 4.00
5B-00304	20507	Cs-137	0.0002 U	0.019	0.0058	0.207	1.00 - 4.00
5B-00304	20507	Eu-152	0.02 U	0.042	0.01	0.0566	1.00 - 4.00
5B-00304	20507	Eu-154	-0.004 U	0.11	0.031	0.15	1.00 - 4.00
5B-00304	20507	Eu-155	0.087 SK	0.036	0.015	0.231	1.00 - 4.00
5B-00304	20507	Ho-166m	0.01 U	0.023	0.01	0.0432	1.00 - 4.00
5B-00304	20507	K-40	19.8	0.13	0.6	32.4	1.00 - 4.00
5B-00304	20507	Na-22	0.0002 U	0.027	0.0079	0.037	1.00 - 4.00
5B-00304	20507	Nb-94	0.0053 U	0.015	0.0047	0.0214	1.00 - 4.00
5B-00304	20507	Ni-59	0 U	0.11	0.031	5.96	1.00 - 4.00
5B-00304	20507	Ni-63	-0.08 U	0.43	0.13	4.92	1.00 - 4.00
5B-00304	20507	Np-236	-0.005 U	0.034	0.01	0.047	1.00 - 4.00
5B-00304	20507	Np-239	0.049	0.065	0.024	0.139	1.00 - 4.00
5B-00304	20507	Pa-231	-0.06 U	0.59	0.18	0.936	1.00 - 4.00
5B-00304	20507	Pb-212	1.96	0.026	0.079	2.69	1.00 - 4.00
5B-00304	20507	Pb-214	1.15	0.026	0.038	1.7	1.00 - 4.00
5B-00304	20507	Pu-238	-2E-04 U	0.0054	0.001	0.0415	1.00 - 4.00
5B-00304	20507	Pu-239/240	0.0023	0.002	0.0013	0.0404	1.00 - 4.00
5B-00304	20507	Pu-244	0.0022	0.002	0.0013	0.0313	1.00 - 4.00
5B-00304	20507	Sb-125	0.189 SK	0.046	0.013	0.354	1.00 - 4.00
5B-00304	20507	Sn-126	0.0044 U	0.017	0.0052	0.0237	1.00 - 4.00
5B-00304	20507	Sr-90	-0.002 U	0.044	0.013	0.485	1.00 - 4.00
5B-00304	20507	Tc-99	-0.076 U	0.29	0.087	1.63	1.00 - 4.00
5B-00304	20507	Te-125m	0.0437 SK	0.011	0.0031	0.0838	1.00 - 4.00
5B-00304	20507	Th-228	1.61	0.025	0.081	3.98	1.00 - 4.00
5B-00304	20507	Th-229	0.0021 U	0.02	0.0048	0.145	1.00 - 4.00
5B-00304	20507	Th-230	1.13	0.012	0.06	2.2	1.00 - 4.00
5B-00304	20507	Th-232	1.55	0.009	0.078	3.1	1.00 - 4.00
5B-00304	20507	Th-234	0.686 R	0.16	0.057	3.19	1.00 - 4.00
5B-00304	20507	Tl-208	0.575	0.016	0.02	0.937	1.00 - 4.00
5B-00304	20507	Tm-171	-0.1 U	6	1.8	72.4	1.00 - 4.00
5B-00304	20507	U-233/234	0.903	0.003	0.049	2.02	1.00 - 4.00
5B-00304	20507	U-235/236	0.0418	0.01	0.0081	0.151	1.00 - 4.00
5B-00304	20507	U-238	0.876	0.003	0.048	1.8	1.00 - 4.00
5B-00304	20508	Ac-227	-0.034 U	0.12	0.035	0.217	0.00 - 0.50
5B-00304	20508	Ac-228	0.933	0.08	0.054	2.4	0.00 - 0.50
5B-00304	20508	Am-241	0.0032	0.0022	0.0016	0.0454	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00304	20508	Bi-212	0.844	0.09	0.054	2.15	0.00 - 0.50
5B-00304	20508	Bi-214	0.853	0.023	0.033	1.59	0.00 - 0.50
5B-00304	20508	C-14	0.062	0.071	0.022	2.96	0.00 - 0.50
5B-00304	20508	Cd-113m	0.4 U	33	9.8	3030	0.00 - 0.50
5B-00304	20508	Cm-243/244	0.0016 U	0.0021	0.0011	0.0443	0.00 - 0.50
5B-00304	20508	Cm-245/246	0.0007 U	0.005	0.0012	0.0401	0.00 - 0.50
5B-00304	20508	Cm-247/248	0.0027	0.0018	0.0013	0.0306	0.00 - 0.50
5B-00304	20508	Co-60	0.0009 U	0.014	0.0041	0.028	0.00 - 0.50
5B-00304	20508	Cs-134	-0.009 L U	0.01	0.0031	0.0864	0.00 - 0.50
5B-00304	20508	Cs-137	0.0932	0.01	0.0061	0.207	0.00 - 0.50
5B-00304	20508	Eu-152	0.0161 J	0.027	0.0071	0.0566	0.00 - 0.50
5B-00304	20508	Eu-154	-0.009 U	0.079	0.024	0.15	0.00 - 0.50
5B-00304	20508	Eu-155	0.063 SK	0.032	0.014	0.231	0.00 - 0.50
5B-00304	20508	H-3	0.07 U	0.21	0.064	11.9	0.00 - 0.50
5B-00304	20508	Ho-166m	0.0287 SK	0.019	0.0039	0.0432	0.00 - 0.50
5B-00304	20508	K-40	21.1	0.14	0.7	32.4	0.00 - 0.50
5B-00304	20508	Na-22	-0.004 U	0.019	0.0057	0.037	0.00 - 0.50
5B-00304	20508	Nb-94	0.0007 U	0.01	0.0014	0.0214	0.00 - 0.50
5B-00304	20508	Ni-59	0 U	0.15	0.054	5.96	0.00 - 0.50
5B-00304	20508	Ni-63	-0.09 U	0.52	0.16	4.92	0.00 - 0.50
5B-00304	20508	Np-236	-0.009 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00304	20508	Np-239	-0.002 U	0.074	0.022	0.139	0.00 - 0.50
5B-00304	20508	Pa-231	-0.08 U	0.49	0.15	0.936	0.00 - 0.50
5B-00304	20508	Pb-212	1.4	0.021	0.074	2.69	0.00 - 0.50
5B-00304	20508	Pb-214	0.951	0.02	0.036	1.7	0.00 - 0.50
5B-00304	20508	Pu-236	-4E-04 U	0.0042	0.0005	7.79	0.00 - 0.50
5B-00304	20508	Pu-238	0.0014	0.0019	0.001	0.0415	0.00 - 0.50
5B-00304	20508	Pu-239/240	0.0045	0.0042	0.0019	0.0404	0.00 - 0.50
5B-00304	20508	Pu-244	0.0021	0.0019	0.0012	0.0313	0.00 - 0.50
5B-00304	20508	Sb-125	0.113 SK	0.034	0.0091	0.354	0.00 - 0.50
5B-00304	20508	Sn-126	0.0008 U	0.0092	0.0028	0.0237	0.00 - 0.50
5B-00304	20508	Sr-90	0.012 U	0.04	0.012	0.485	0.00 - 0.50
5B-00304	20508	Tc-99	-0.114 U	0.31	0.095	1.63	0.00 - 0.50
5B-00304	20508	Te-125m	0.0262 SK	0.0078	0.0021	0.0838	0.00 - 0.50
5B-00304	20508	Th-228	1.13	0.021	0.058	3.98	0.00 - 0.50
5B-00304	20508	Th-229	0.004	0.0059	0.0022	0.145	0.00 - 0.50
5B-00304	20508	Th-230	0.856	0.009	0.046	2.2	0.00 - 0.50
5B-00304	20508	Th-232	1.01	0.003	0.053	3.1	0.00 - 0.50
5B-00304	20508	Th-234	1.37 JR	0.13	0.08	3.19	0.00 - 0.50
5B-00304	20508	Tl-208	0.424	0.015	0.017	0.937	0.00 - 0.50
5B-00304	20508	Tm-171	5.3	4.8	1.9	72.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00304	20508	U-233/234	0.809	0.009	0.043	2.02	0.00 - 0.50
5B-00304	20508	U-235/236	0.0395	0.0094	0.0069	0.151	0.00 - 0.50
5B-00304	20508	U-238	0.778	0.006	0.041	1.8	0.00 - 0.50
5B-00305	20510	Ac-227	0.416 RZ	0.12	0.022	0.217	0.00 - 0.50
5B-00305	20510	Ac-228	1.29	0.089	0.048	2.4	0.00 - 0.50
5B-00305	20510	Am-241	0.0036	0.002	0.0016	0.0454	0.00 - 0.50
5B-00305	20510	Am-241	0.0028 U	0.0086	0.0025	0.0454	0.00 - 0.50
5B-00305	20510	Bi-212	1.18	0.12	0.078	2.15	0.00 - 0.50
5B-00305	20510	Bi-214	1.01	0.025	0.038	1.59	0.00 - 0.50
5B-00305	20510	Cd-113m	-2 U	38	11	3030	0.00 - 0.50
5B-00305	20510	Cm-243/244	0.0028	0.0019	0.0014	0.0443	0.00 - 0.50
5B-00305	20510	Cm-243/244	0 U	0.0067	0.0014	0.0443	0.00 - 0.50
5B-00305	20510	Cm-245/246	0.0086 J K	0.0023	0.0027	0.0401	0.00 - 0.50
5B-00305	20510	Cm-245/246	0.0024 U J	0.0089	0.0025	0.0401	0.00 - 0.50
5B-00305	20510	Cm-247/248	0.0017 U	0.0023	0.0012	0.0306	0.00 - 0.50
5B-00305	20510	Cm-247/248	-0.001 U	0.011	0.0022	0.0306	0.00 - 0.50
5B-00305	20510	Co-60	-1E-04 U	0.012	0.0037	0.028	0.00 - 0.50
5B-00305	20510	Cs-134	0.002 U J	0.046	0.011	0.0864	0.00 - 0.50
5B-00305	20510	Cs-137	0.0028 U	0.015	0.0045	0.207	0.00 - 0.50
5B-00305	20510	Eu-152	-0.002 U	0.037	0.0031	0.0566	0.00 - 0.50
5B-00305	20510	Eu-154	-0.027 U	0.086	0.026	0.15	0.00 - 0.50
5B-00305	20510	Eu-155	0.083 RSK	0.031	0.012	0.231	0.00 - 0.50
5B-00305	20510	Ho-166m	0.0115 SK	0.023	0.0052	0.0432	0.00 - 0.50
5B-00305	20510	K-40	22.5	0.16	0.75	32.4	0.00 - 0.50
5B-00305	20510	Na-22	0.0044 U	0.022	0.0065	0.037	0.00 - 0.50
5B-00305	20510	Nb-94	0.0066 SK	0.012	0.0038	0.0214	0.00 - 0.50
5B-00305	20510	Np-236	-0.008 U	0.03	0.0089	0.047	0.00 - 0.50
5B-00305	20510	Np-239	-0.005 U	0.086	0.026	0.139	0.00 - 0.50
5B-00305	20510	Pa-231	0.029 U	0.56	0.036	0.936	0.00 - 0.50
5B-00305	20510	Pb-212	1.61	0.031	0.086	2.69	0.00 - 0.50
5B-00305	20510	Pb-214	1.11	0.026	0.042	1.7	0.00 - 0.50
5B-00305	20510	Pu-236	-0.001 U	0.0087	0.0022	7.79	0.00 - 0.50
5B-00305	20510	Pu-236	0 U	0.0019	0.0006	7.79	0.00 - 0.50
5B-00305	20510	Pu-238	0.0014	0.0019	0.001	0.0415	0.00 - 0.50
5B-00305	20510	Pu-238	0.0005 U	0.0039	0.0009	0.0415	0.00 - 0.50
5B-00305	20510	Pu-239/240	0.0032	0.0043	0.0017	0.0404	0.00 - 0.50
5B-00305	20510	Pu-239/240	0 U	0.0049	0.0011	0.0404	0.00 - 0.50
5B-00305	20510	Pu-244	0.0005 U	0.0014	0.0005	0.0313	0.00 - 0.50
5B-00305	20510	Pu-244	0 U	0.0019	0.0006	0.0313	0.00 - 0.50
5B-00305	20510	Sb-125	0.125 SK	0.041	0.0098	0.354	0.00 - 0.50
5B-00305	20510	Sn-126	0.0032 U	0.014	0.0043	0.0237	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00305	20510	Sr-90	-0.004 U	0.029	0.0083	0.485	0.00 - 0.50
5B-00305	20510	Sr-90	0.022 U	0.048	0.015	0.485	0.00 - 0.50
5B-00305	20510	Te-125m	0.0289 SK	0.0094	0.0023	0.0838	0.00 - 0.50
5B-00305	20510	Th-228	1.26	0.026	0.067	3.98	0.00 - 0.50
5B-00305	20510	Th-228	1.2	0.017	0.06	3.98	0.00 - 0.50
5B-00305	20510	Th-229	0.0161 K	0.0094	0.0046	0.145	0.00 - 0.50
5B-00305	20510	Th-229	0.0023 U	0.016	0.0043	0.145	0.00 - 0.50
5B-00305	20510	Th-230	0.99	0.004	0.055	2.2	0.00 - 0.50
5B-00305	20510	Th-230	0.963	0.007	0.05	2.2	0.00 - 0.50
5B-00305	20510	Th-232	1.16	0.003	0.062	3.1	0.00 - 0.50
5B-00305	20510	Th-232	1.3	0.007	0.065	3.1	0.00 - 0.50
5B-00305	20510	Th-234	1.83	0.15	0.1	3.19	0.00 - 0.50
5B-00305	20510	Tl-208	0.496	0.017	0.02	0.937	0.00 - 0.50
5B-00305	20510	Tm-171	-2.9 U	6.1	1.9	72.4	0.00 - 0.50
5B-00305	20510	U-233/234	0.898	0.014	0.05	2.02	0.00 - 0.50
5B-00305	20510	U-235/236	0.0479	0.0038	0.0085	0.151	0.00 - 0.50
5B-00305	20510	U-238	0.861	0.003	0.048	1.8	0.00 - 0.50
5B-00228	20511	Ac-227	0.026 U	0.11	0.022	0.217	0.00 - 0.50
5B-00228	20511	Ac-228	1.12	0.062	0.04	2.4	0.00 - 0.50
5B-00228	20511	Am-241	0.0008 U	0.0089	0.0023	0.0454	0.00 - 0.50
5B-00228	20511	Bi-212	0.922	0.1	0.067	2.15	0.00 - 0.50
5B-00228	20511	Bi-214	0.644	0.021	0.026	1.59	0.00 - 0.50
5B-00228	20511	C-14	0.057	0.046	0.015	2.96	0.00 - 0.50
5B-00228	20511	Cd-113m	-0.6 U	25	7.4	3030	0.00 - 0.50
5B-00228	20511	Cm-243/244	-0.007 U	0.017	0.0043	0.0443	0.00 - 0.50
5B-00228	20511	Cm-245/246	-0.002 U J	0.012	0.0016	0.0401	0.00 - 0.50
5B-00228	20511	Cm-247/248	0 U	0.0043	0.0014	0.0306	0.00 - 0.50
5B-00228	20511	Co-60	0.003 U	0.014	0.0034	0.028	0.00 - 0.50
5B-00228	20511	Cs-134	0.0105 U	0.031	0.0028	0.0864	0.00 - 0.50
5B-00228	20511	Cs-137	0.0273	0.01	0.005	0.207	0.00 - 0.50
5B-00228	20511	Eu-152	-0.007 U	0.03	0.0089	0.0566	0.00 - 0.50
5B-00228	20511	Eu-154	-0.001 U	0.075	0.0031	0.15	0.00 - 0.50
5B-00228	20511	Eu-155	0.077 SK	0.03	0.013	0.231	0.00 - 0.50
5B-00228	20511	H-3	0.06 U	0.23	0.069	11.9	0.00 - 0.50
5B-00228	20511	Ho-166m	0.0018 U J	0.019	0.0017	0.0432	0.00 - 0.50
5B-00228	20511	K-40	22	0.14	0.73	32.4	0.00 - 0.50
5B-00228	20511	Na-22	0.0017 U	0.018	0.0052	0.037	0.00 - 0.50
5B-00228	20511	Nb-94	0.0017 U	0.0094	0.0028	0.0214	0.00 - 0.50
5B-00228	20511	Ni-59	0 U	0.4	0.11	5.96	0.00 - 0.50
5B-00228	20511	Ni-63	0.07 U	0.53	0.16	4.92	0.00 - 0.50
5B-00228	20511	Np-236	-0.002 U	0.026	0.0077	0.047	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00228	20511	Np-239	0.01 U	0.073	0.022	0.139	0.00 - 0.50
5B-00228	20511	Pa-231	0.03 U	0.41	0.12	0.936	0.00 - 0.50
5B-00228	20511	Pb-212	1.41	0.02	0.075	2.69	0.00 - 0.50
5B-00228	20511	Pb-214	0.758	0.022	0.03	1.7	0.00 - 0.50
5B-00228	20511	Pu-236	0 U	0.0011	0.0005	7.79	0.00 - 0.50
5B-00228	20511	Pu-238	-4E-04 U	0.0031	0.0005	0.0415	0.00 - 0.50
5B-00228	20511	Pu-239/240	0.0004 U	0.0031	0.0008	0.0404	0.00 - 0.50
5B-00228	20511	Pu-244	0.0025	0.0011	0.001	0.0313	0.00 - 0.50
5B-00228	20511	Sb-125	0.093 SK	0.031	0.0068	0.354	0.00 - 0.50
5B-00228	20511	Sn-126	0.0009 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00228	20511	Sr-90	-0.018 U	0.054	0.015	0.485	0.00 - 0.50
5B-00228	20511	Tc-99	-0.04 U	0.37	0.11	1.63	0.00 - 0.50
5B-00228	20511	Te-125m	0.0215 SK	0.0071	0.0016	0.0838	0.00 - 0.50
5B-00228	20511	Th-228	1.17 J	0.014	0.063	3.98	0.00 - 0.50
5B-00228	20511	Th-229	0.0062	0.0065	0.0027	0.145	0.00 - 0.50
5B-00228	20511	Th-230	0.765	0.004	0.045	2.2	0.00 - 0.50
5B-00228	20511	Th-232	1.1	0.01	0.06	3.1	0.00 - 0.50
5B-00228	20511	Th-234	1.28 R	0.13	0.077	3.19	0.00 - 0.50
5B-00228	20511	Tl-208	0.43	0.013	0.017	0.937	0.00 - 0.50
5B-00228	20511	Tm-171	-2.6 U J	4.5	1.4	72.4	0.00 - 0.50
5B-00228	20511	U-233/234	0.549	0.002	0.031	2.02	0.00 - 0.50
5B-00228	20511	U-235/236	0.0339	0.0067	0.0059	0.151	0.00 - 0.50
5B-00228	20511	U-238	0.584	0.007	0.032	1.8	0.00 - 0.50
5B-00183	20590	Ac-227	0.07	0.11	0.014	0.217	0.00 - 0.50
5B-00183	20590	Ac-228	1.2	0.058	0.042	2.4	0.00 - 0.50
5B-00183	20590	Am-241	0.002 U	0.0092	0.0025	0.0454	0.00 - 0.50
5B-00183	20590	Bi-212	0.976	0.094	0.061	2.15	0.00 - 0.50
5B-00183	20590	Bi-214	0.698	0.02	0.027	1.59	0.00 - 0.50
5B-00183	20590	Cd-113m	-4.4 U	31	9.3	3030	0.00 - 0.50
5B-00183	20590	Cm-243/244	-0.002 U	0.013	0.0029	0.0443	0.00 - 0.50
5B-00183	20590	Cm-245/246	0 U	0.0092	0.0019	0.0401	0.00 - 0.50
5B-00183	20590	Cm-247/248	0.0025 U	0.0033	0.0017	0.0306	0.00 - 0.50
5B-00183	20590	Co-60	0.0013 U	0.013	0.0025	0.028	0.00 - 0.50
5B-00183	20590	Cs-134	0.0161 U	0.039	0.0038	0.0864	0.00 - 0.50
5B-00183	20590	Cs-137	0.0176	0.0083	0.0038	0.207	0.00 - 0.50
5B-00183	20590	Eu-152	-0.008 U	0.029	0.0086	0.0566	0.00 - 0.50
5B-00183	20590	Eu-154	0.007 U	0.07	0.021	0.15	0.00 - 0.50
5B-00183	20590	Eu-155	0.074 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00183	20590	Ho-166m	0.0009 U	0.017	0.0009	0.0432	0.00 - 0.50
5B-00183	20590	K-40	19.1	0.12	0.63	32.4	0.00 - 0.50
5B-00183	20590	Na-22	0.0006 U	0.018	0.0053	0.037	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00183	20590	Nb-94	0.004 U	0.0095	0.0029	0.0214	0.00 - 0.50
5B-00183	20590	Np-236	-0.005 U	0.024	0.0073	0.047	0.00 - 0.50
5B-00183	20590	Np-239	-9E-04 U	0.062	0.019	0.139	0.00 - 0.50
5B-00183	20590	Pa-231	-0.08 U	0.45	0.14	0.936	0.00 - 0.50
5B-00183	20590	Pb-212	1.57	0.018	0.083	2.69	0.00 - 0.50
5B-00183	20590	Pb-214	0.774	0.017	0.029	1.7	0.00 - 0.50
5B-00183	20590	Pu-236	-4E-04 U	0.0044	0.0005	7.79	0.00 - 0.50
5B-00183	20590	Pu-238	0.0021	0.0054	0.0016	0.0415	0.00 - 0.50
5B-00183	20590	Pu-239/240	0.001 U	0.0044	0.0012	0.0404	0.00 - 0.50
5B-00183	20590	Pu-244	0 U	0.002	0.0006	0.0313	0.00 - 0.50
5B-00183	20590	Sb-125	0.143 SK	0.031	0.0094	0.354	0.00 - 0.50
5B-00183	20590	Sn-126	-1E-04 U	0.011	0.0033	0.0237	0.00 - 0.50
5B-00183	20590	Sr-90	-0.016 U	0.043	0.012	0.485	0.00 - 0.50
5B-00183	20590	Te-125m	0.0331 SK	0.0072	0.0022	0.0838	0.00 - 0.50
5B-00183	20590	Th-228	1.17	0.019	0.061	3.98	0.00 - 0.50
5B-00183	20590	Th-229	0.0065	0.0087	0.0031	0.145	0.00 - 0.50
5B-00183	20590	Th-230	0.826	0.009	0.046	2.2	0.00 - 0.50
5B-00183	20590	Th-232	1.18	0.003	0.062	3.1	0.00 - 0.50
5B-00183	20590	Th-234	1.25 R	0.12	0.072	3.19	0.00 - 0.50
5B-00183	20590	Tl-208	0.483	0.013	0.019	0.937	0.00 - 0.50
5B-00183	20590	Tm-171	0.3 U	5	1.5	72.4	0.00 - 0.50
5B-00183	20590	U-233/234	0.686	0.014	0.04	2.02	0.00 - 0.50
5B-00183	20590	U-235/236	0.0328	0.0037	0.0068	0.151	0.00 - 0.50
5B-00183	20590	U-238	0.634	0.01	0.038	1.8	0.00 - 0.50
5B-00032	20591	Ac-227	0.031 U	0.11	0.035	0.217	10.00 - 15.00
5B-00032	20591	Ac-228	1.09	0.054	0.038	2.4	10.00 - 15.00
5B-00032	20591	Am-241	0.0082	0.0037	0.0034	0.0454	10.00 - 15.00
5B-00032	20591	Bi-212	0.861	0.084	0.053	2.15	10.00 - 15.00
5B-00032	20591	Bi-214	0.754	0.021	0.029	1.59	10.00 - 15.00
5B-00032	20591	C-14	0.004 U	0.051	0.015	2.96	10.00 - 15.00
5B-00032	20591	Cd-113m	-7.3 U	31	9.4	3030	10.00 - 15.00
5B-00032	20591	Cm-243/244	-0.007 U	0.023	0.0056	0.0443	10.00 - 15.00
5B-00032	20591	Cm-245/246	0 U J	0.0072	0.0015	0.0401	10.00 - 15.00
5B-00032	20591	Cm-247/248	0.001 U	0.0026	0.001	0.0306	10.00 - 15.00
5B-00032	20591	Co-60	-0.003 U	0.013	0.0039	0.028	10.00 - 15.00
5B-00032	20591	Cs-134	0.0108 U J	0.032	0.0031	0.0864	10.00 - 15.00
5B-00032	20591	Cs-137	0.0003 U	0.013	0.0039	0.207	10.00 - 15.00
5B-00032	20591	Eu-152	0.0047 U	0.029	0.0056	0.0566	10.00 - 15.00
5B-00032	20591	Eu-154	-0.026 U	0.071	0.021	0.15	10.00 - 15.00
5B-00032	20591	Eu-155	0.062 SK	0.025	0.0096	0.231	10.00 - 15.00
5B-00032	20591	H-3	-0.027 U	0.19	0.056	11.9	10.00 - 15.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00032	20591	Ho-166m	0.0022 U	0.018	0.0032	0.0432	10.00 - 15.00
5B-00032	20591	K-40	19.6	0.13	0.65	32.4	10.00 - 15.00
5B-00032	20591	Na-22	-0.003 U J	0.014	0.0042	0.037	10.00 - 15.00
5B-00032	20591	Nb-94	0.0032 U	0.0098	0.003	0.0214	10.00 - 15.00
5B-00032	20591	Ni-59	0 U	0.74	0.16	5.96	10.00 - 15.00
5B-00032	20591	Ni-63	0.51	0.86	0.26	4.92	10.00 - 15.00
5B-00032	20591	Np-236	0.0002 U	0.025	0.0074	0.047	10.00 - 15.00
5B-00032	20591	Np-239	-0.012 U	0.069	0.021	0.139	10.00 - 15.00
5B-00032	20591	Pa-231	-0.016 U	0.45	0.018	0.936	10.00 - 15.00
5B-00032	20591	Pb-212	1.37	0.019	0.072	2.69	10.00 - 15.00
5B-00032	20591	Pb-214	0.845	0.021	0.032	1.7	10.00 - 15.00
5B-00032	20591	Pu-236	0.0029	0.0026	0.0017	7.79	10.00 - 15.00
5B-00032	20591	Pu-238	0.0011 U	0.0079	0.002	0.0415	10.00 - 15.00
5B-00032	20591	Pu-239/240	0.001 U	0.0026	0.001	0.0404	10.00 - 15.00
5B-00032	20591	Pu-244	-2E-04 U	0.0069	0.0013	0.0313	10.00 - 15.00
5B-00032	20591	Sb-125	0.111 SK	0.029	0.0078	0.354	10.00 - 15.00
5B-00032	20591	Sn-126	0.0003 U	0.01	0.003	0.0237	10.00 - 15.00
5B-00032	20591	Sr-90	-0.017 U	0.051	0.014	0.485	10.00 - 15.00
5B-00032	20591	Tc-99	-0.024 U	0.29	0.087	1.63	10.00 - 15.00
5B-00032	20591	Te-125m	0.0257 SK	0.0067	0.0018	0.0838	10.00 - 15.00
5B-00032	20591	Th-228	1.26	0.02	0.065	3.98	10.00 - 15.00
5B-00032	20591	Th-229	0.0082	0.0075	0.0033	0.145	10.00 - 15.00
5B-00032	20591	Th-230	0.908	0.003	0.049	2.2	10.00 - 15.00
5B-00032	20591	Th-232	1.17	0.003	0.061	3.1	10.00 - 15.00
5B-00032	20591	Th-234	1.36	0.12	0.076	3.19	10.00 - 15.00
5B-00032	20591	Tl-208	0.404	0.013	0.016	0.937	10.00 - 15.00
5B-00032	20591	Tm-171	1.6 U J	3.6	1.1	72.4	10.00 - 15.00
5B-00032	20591	U-233/234	0.805	0.011	0.045	2.02	10.00 - 15.00
5B-00032	20591	U-235/236	0.0249	0.0035	0.0058	0.151	10.00 - 15.00
5B-00032	20591	U-238	0.763	0.003	0.043	1.8	10.00 - 15.00
5B-00033	20592	Ac-227	0.028 U	0.14	0.044	0.217	10.00 - 15.00
5B-00033	20592	Ac-228	1.13	0.091	0.041	2.4	10.00 - 15.00
5B-00033	20592	Am-241	0.0032	0.0029	0.0019	0.0454	10.00 - 15.00
5B-00033	20592	Bi-212	1.03	0.12	0.073	2.15	10.00 - 15.00
5B-00033	20592	Bi-214	0.762	0.026	0.029	1.59	10.00 - 15.00
5B-00033	20592	C-14	0.033	0.044	0.014	2.96	10.00 - 15.00
5B-00033	20592	Cd-113m	-14 U	39	12	3030	10.00 - 15.00
5B-00033	20592	Cm-243/244	0 U	0.0078	0.0016	0.0443	10.00 - 15.00
5B-00033	20592	Cm-245/246	0.0032 J	0.0029	0.0018	0.0401	10.00 - 15.00
5B-00033	20592	Cm-247/248	0.001 U	0.0028	0.001	0.0306	10.00 - 15.00
5B-00033	20592	Co-60	0.0057 U	0.019	0.0057	0.028	10.00 - 15.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00033	20592	Cs-134	0.0028 U J	0.047	0.0087	0.0864	10.00 - 15.00
5B-00033	20592	Cs-137	-5E-04 U	0.016	0.0046	0.207	10.00 - 15.00
5B-00033	20592	Eu-152	0.027	0.027	0.011	0.0566	10.00 - 15.00
5B-00033	20592	Eu-154	-0.032 U	0.11	0.034	0.15	10.00 - 15.00
5B-00033	20592	Eu-155	0.06 SK	0.033	0.014	0.231	10.00 - 15.00
5B-00033	20592	H-3	-0.014 U	0.18	0.053	11.9	10.00 - 15.00
5B-00033	20592	Ho-166m	0.0104 U	0.025	0.0063	0.0432	10.00 - 15.00
5B-00033	20592	K-40	21.7	0.14	0.65	32.4	10.00 - 15.00
5B-00033	20592	Na-22	-0.006 U J	0.026	0.0077	0.037	10.00 - 15.00
5B-00033	20592	Nb-94	0.0014 U	0.014	0.0042	0.0214	10.00 - 15.00
5B-00033	20592	Ni-59	0 U	0.59	0.13	5.96	10.00 - 15.00
5B-00033	20592	Ni-63	0.38	0.69	0.2	4.92	10.00 - 15.00
5B-00033	20592	Np-236	0.0001 U	0.03	0.0091	0.047	10.00 - 15.00
5B-00033	20592	Np-239	0.025 U	0.085	0.026	0.139	10.00 - 15.00
5B-00033	20592	Pa-231	0.26	0.44	0.12	0.936	10.00 - 15.00
5B-00033	20592	Pb-212	1.47	0.023	0.06	2.69	10.00 - 15.00
5B-00033	20592	Pb-214	0.877	0.025	0.03	1.7	10.00 - 15.00
5B-00033	20592	Pu-236	0 U	0.0022	0.0007	7.79	10.00 - 15.00
5B-00033	20592	Pu-238	0.0019	0.0048	0.0015	0.0415	10.00 - 15.00
5B-00033	20592	Pu-239/240	-5E-04 U	0.0048	0.0005	0.0404	10.00 - 15.00
5B-00033	20592	Pu-244	0.0016	0.0022	0.0011	0.0313	10.00 - 15.00
5B-00033	20592	Sb-125	0.137 SK	0.041	0.011	0.354	10.00 - 15.00
5B-00033	20592	Sn-126	0.014	0.012	0.0051	0.0237	10.00 - 15.00
5B-00033	20592	Sr-90	-0.01 U	0.048	0.013	0.485	10.00 - 15.00
5B-00033	20592	Tc-99	-0.042 U	0.3	0.092	1.63	10.00 - 15.00
5B-00033	20592	Te-125m	0.0317 SK	0.0095	0.0025	0.0838	10.00 - 15.00
5B-00033	20592	Th-228	1.17	0.022	0.062	3.98	10.00 - 15.00
5B-00033	20592	Th-229	0.0083	0.0028	0.003	0.145	10.00 - 15.00
5B-00033	20592	Th-230	0.899	0.009	0.05	2.2	10.00 - 15.00
5B-00033	20592	Th-232	1.15	0.009	0.061	3.1	10.00 - 15.00
5B-00033	20592	Th-234	0.246	0.15	0.047	3.19	10.00 - 15.00
5B-00033	20592	Tl-208	0.45	0.018	0.018	0.937	10.00 - 15.00
5B-00033	20592	Tm-171	0.6 U J	6	1.8	72.4	10.00 - 15.00
5B-00033	20592	U-233/234	0.855 J	0.017	0.057	2.02	10.00 - 15.00
5B-00033	20592	U-235/236	0.062 J	0.008	0.013	0.151	10.00 - 15.00
5B-00033	20592	U-238	0.98 J	0.017	0.063	1.8	10.00 - 15.00
5B-00307	20593	Ac-227	0.033 U	0.11	0.027	0.217	10.00 - 15.00
5B-00307	20593	Ac-228	1.29	0.051	0.044	2.4	10.00 - 15.00
5B-00307	20593	Am-241	0.0009 U	0.011	0.0028	0.0454	10.00 - 15.00
5B-00307	20593	Bi-212	0.992	0.094	0.061	2.15	10.00 - 15.00
5B-00307	20593	Bi-214	0.687	0.018	0.026	1.59	10.00 - 15.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00307	20593	C-14	-0.016 U	0.032	0.0094	2.96	10.00 - 15.00
5B-00307	20593	Cd-113m	-6.2 U	32	9.5	3030	10.00 - 15.00
5B-00307	20593	Cm-243/244	0.0043	0.0023	0.0019	0.0443	10.00 - 15.00
5B-00307	20593	Cm-245/246	0.0009 U J	0.0025	0.0009	0.0401	10.00 - 15.00
5B-00307	20593	Cm-247/248	0.0018 U	0.0025	0.0013	0.0306	10.00 - 15.00
5B-00307	20593	Co-60	0.0014 U	0.012	0.0027	0.028	10.00 - 15.00
5B-00307	20593	Cs-134	-0.003 U J	0.036	0.0069	0.0864	10.00 - 15.00
5B-00307	20593	Cs-137	0 U	0.011	0.0034	0.207	10.00 - 15.00
5B-00307	20593	Eu-152	0.0072 U	0.029	0.0068	0.0566	10.00 - 15.00
5B-00307	20593	Eu-154	0.007 U	0.072	0.011	0.15	10.00 - 15.00
5B-00307	20593	Eu-155	0.079 SK	0.026	0.011	0.231	10.00 - 15.00
5B-00307	20593	H-3	-0.035 U	0.2	0.058	11.9	10.00 - 15.00
5B-00307	20593	Ho-166m	0.0074 U	0.018	0.005	0.0432	10.00 - 15.00
5B-00307	20593	K-40	19.5	0.1	0.64	32.4	10.00 - 15.00
5B-00307	20593	Na-22	-0.006 U J	0.017	0.0052	0.037	10.00 - 15.00
5B-00307	20593	Nb-94	0.0031 U	0.01	0.0032	0.0214	10.00 - 15.00
5B-00307	20593	Ni-59	0 U	0.54	0.12	5.96	10.00 - 15.00
5B-00307	20593	Ni-63	0.42	0.69	0.21	4.92	10.00 - 15.00
5B-00307	20593	Np-236	-0.005 U	0.025	0.0074	0.047	10.00 - 15.00
5B-00307	20593	Np-239	0.015 U	0.07	0.021	0.139	10.00 - 15.00
5B-00307	20593	Pa-231	-0.04 U	0.4	0.12	0.936	10.00 - 15.00
5B-00307	20593	Pb-212	1.63	0.019	0.086	2.69	10.00 - 15.00
5B-00307	20593	Pb-214	0.78	0.018	0.029	1.7	10.00 - 15.00
5B-00307	20593	Pu-236	0.0008 U	0.0021	0.0008	7.79	10.00 - 15.00
5B-00307	20593	Pu-238	0.0008 U	0.0021	0.0008	0.0415	10.00 - 15.00
5B-00307	20593	Pu-239/240	0.0016	0.0021	0.0011	0.0404	10.00 - 15.00
5B-00307	20593	Pu-244	0.0008 U	0.0021	0.0008	0.0313	10.00 - 15.00
5B-00307	20593	Sb-125	0.136 SK	0.024	0.0094	0.354	10.00 - 15.00
5B-00307	20593	Sn-126	-4E-04 U	0.012	0.0035	0.0237	10.00 - 15.00
5B-00307	20593	Sr-90	0.0082 U	0.032	0.0096	0.485	10.00 - 15.00
5B-00307	20593	Tc-99	-0.021 U	0.29	0.086	1.63	10.00 - 15.00
5B-00307	20593	Te-125m	0.0313 SK	0.0057	0.0022	0.0838	10.00 - 15.00
5B-00307	20593	Th-228	1.34	0.016	0.068	3.98	10.00 - 15.00
5B-00307	20593	Th-229	0.0123	0.011	0.0045	0.145	10.00 - 15.00
5B-00307	20593	Th-230	0.846	0.011	0.047	2.2	10.00 - 15.00
5B-00307	20593	Th-232	1.32	0.003	0.067	3.1	10.00 - 15.00
5B-00307	20593	Th-234	1.4	0.12	0.077	3.19	10.00 - 15.00
5B-00307	20593	Tl-208	0.489	0.014	0.019	0.937	10.00 - 15.00
5B-00307	20593	Tm-171	-3.2 JU J	4.5	1.4	72.4	10.00 - 15.00
5B-00307	20593	U-233/234	0.672	0.001	0.033	2.02	10.00 - 15.00
5B-00307	20593	U-235/236	0.0371	0.0014	0.0047	0.151	10.00 - 15.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00307	20593	U-238	0.688	0.001	0.034	1.8	10.00 - 15.00
5B-00308	20594	Ac-227	0.057	0.11	0.019	0.217	10.00 - 15.00
5B-00308	20594	Ac-228	1.19	0.061	0.042	2.4	10.00 - 15.00
5B-00308	20594	Am-241	0.0026 U	0.008	0.0024	0.0454	10.00 - 15.00
5B-00308	20594	Bi-212	1	0.11	0.071	2.15	10.00 - 15.00
5B-00308	20594	Bi-214	0.725	0.021	0.028	1.59	10.00 - 15.00
5B-00308	20594	C-14	0.005 U	0.048	0.015	2.96	10.00 - 15.00
5B-00308	20594	Cd-113m	9.8 U	32	9.8	3030	10.00 - 15.00
5B-00308	20594	Cm-243/244	0.0093	0.0023	0.0029	0.0443	10.00 - 15.00
5B-00308	20594	Cm-245/246	0.0009 U J	0.0023	0.0009	0.0401	10.00 - 15.00
5B-00308	20594	Cm-247/248	0 U	0.0023	0.0009	0.0306	10.00 - 15.00
5B-00308	20594	Co-60	-0.004 U	0.015	0.0044	0.028	10.00 - 15.00
5B-00308	20594	Cs-134	0.002 U	0.041	0.01	0.0864	10.00 - 15.00
5B-00308	20594	Cs-137	0.001 U	0.0093	0.0028	0.207	10.00 - 15.00
5B-00308	20594	Eu-152	-0.011 U	0.029	0.0087	0.0566	10.00 - 15.00
5B-00308	20594	Eu-154	0.0107 U	0.076	0.0087	0.15	10.00 - 15.00
5B-00308	20594	Eu-155	0.07 SK	0.026	0.01	0.231	10.00 - 15.00
5B-00308	20594	H-3	0.033 U	0.18	0.053	11.9	10.00 - 15.00
5B-00308	20594	Ho-166m	0.0033 U J	0.019	0.0034	0.0432	10.00 - 15.00
5B-00308	20594	K-40	21.8	0.12	0.72	32.4	10.00 - 15.00
5B-00308	20594	Na-22	0.0003 U	0.021	0.0064	0.037	10.00 - 15.00
5B-00308	20594	Nb-94	0.0019 U	0.011	0.0032	0.0214	10.00 - 15.00
5B-00308	20594	Ni-59	0 U	0.44	0.13	5.96	10.00 - 15.00
5B-00308	20594	Ni-63	0.19 U	0.63	0.19	4.92	10.00 - 15.00
5B-00308	20594	Np-236	-0.002 U	0.026	0.0077	0.047	10.00 - 15.00
5B-00308	20594	Np-239	-8E-04 U	0.075	0.023	0.139	10.00 - 15.00
5B-00308	20594	Pa-231	0 U	0.48	0.096	0.936	10.00 - 15.00
5B-00308	20594	Pb-212	1.48	0.019	0.078	2.69	10.00 - 15.00
5B-00308	20594	Pb-214	0.855	0.022	0.033	1.7	10.00 - 15.00
5B-00308	20594	Pu-236	0 U	0.0021	0.0007	7.79	10.00 - 15.00
5B-00308	20594	Pu-238	0.0008 U	0.0021	0.0008	0.0415	10.00 - 15.00
5B-00308	20594	Pu-239/240	0.0023	0.0021	0.0013	0.0404	10.00 - 15.00
5B-00308	20594	Pu-244	0.003	0.0021	0.0015	0.0313	10.00 - 15.00
5B-00308	20594	Sb-125	0.112 JSK	0.032	0.0077	0.354	10.00 - 15.00
5B-00308	20594	Sn-126	0.0015 U	0.012	0.0036	0.0237	10.00 - 15.00
5B-00308	20594	Sr-90	0.032	0.047	0.015	0.485	10.00 - 15.00
5B-00308	20594	Tc-99	-0.04 U	0.35	0.1	1.63	10.00 - 15.00
5B-00308	20594	Te-125m	0.0258 JSK	0.0074	0.0018	0.0838	10.00 - 15.00
5B-00308	20594	Th-228	1.21	0.016	0.062	3.98	10.00 - 15.00
5B-00308	20594	Th-229	0.0141	0.0074	0.0041	0.145	10.00 - 15.00
5B-00308	20594	Th-230	0.873	0.003	0.048	2.2	10.00 - 15.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00308	20594	Th-232	1.09	0.009	0.057	3.1	10.00 - 15.00
5B-00308	20594	Th-234	1.36 R	0.13	0.08	3.19	10.00 - 15.00
5B-00308	20594	Tl-208	0.442	0.013	0.017	0.937	10.00 - 15.00
5B-00308	20594	Tm-171	-2.6 U	4.6	1.4	72.4	10.00 - 15.00
5B-00308	20594	U-233/234	0.722	0.007	0.04	2.02	10.00 - 15.00
5B-00308	20594	U-235/236	0.0266	0.0085	0.0059	0.151	10.00 - 15.00
5B-00308	20594	U-238	0.729	0.003	0.04	1.8	10.00 - 15.00
5B-00328	20645	Ac-227	0.026 U	0.1	0.023	0.217	0.00 - 0.50
5B-00328	20645	Ac-228	1.09	0.052	0.043	2.4	0.00 - 0.50
5B-00328	20645	Am-241	0.001 U	0.0028	0.001	0.0454	0.00 - 0.50
5B-00328	20645	Bi-212	0.955	0.096	0.067	2.15	0.00 - 0.50
5B-00328	20645	Bi-214	0.702	0.017	0.026	1.59	0.00 - 0.50
5B-00328	20645	C-14	0.02	0.041	0.012	2.96	0.00 - 0.50
5B-00328	20645	Cd-113m	7.4 U	29	8.8	3030	0.00 - 0.50
5B-00328	20645	Cm-243/244	-0.001 U	0.0075	0.0011	0.0443	0.00 - 0.50
5B-00328	20645	Cm-245/246	0.001 U	0.0026	0.001	0.0401	0.00 - 0.50
5B-00328	20645	Cm-247/248	0 U	0.0026	0.0011	0.0306	0.00 - 0.50
5B-00328	20645	Co-60	0.0005 U	0.012	0.0037	0.028	0.00 - 0.50
5B-00328	20645	Cs-134	0.003 U	0.032	0.0098	0.0864	0.00 - 0.50
5B-00328	20645	Cs-137	0.0071	0.0074	0.0023	0.207	0.00 - 0.50
5B-00328	20645	Eu-152	0.0143	0.027	0.0076	0.0566	0.00 - 0.50
5B-00328	20645	Eu-154	0.012 U	0.069	0.015	0.15	0.00 - 0.50
5B-00328	20645	Eu-155	0.059 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00328	20645	H-3	0.014 U	0.17	0.052	11.9	0.00 - 0.50
5B-00328	20645	Ho-166m	0.0072 U J	0.016	0.0063	0.0432	0.00 - 0.50
5B-00328	20645	K-40	21.3	0.1	0.7	32.4	0.00 - 0.50
5B-00328	20645	Na-22	-0.003 U	0.017	0.0051	0.037	0.00 - 0.50
5B-00328	20645	Nb-94	0.0042 U	0.0094	0.0029	0.0214	0.00 - 0.50
5B-00328	20645	Ni-59	0 U	0.29	0.09	5.96	0.00 - 0.50
5B-00328	20645	Ni-63	-0.05 U	0.5	0.15	4.92	0.00 - 0.50
5B-00328	20645	Np-236	-8E-04 U	0.018	0.0053	0.047	0.00 - 0.50
5B-00328	20645	Np-239	0.001 U	0.063	0.019	0.139	0.00 - 0.50
5B-00328	20645	Pa-231	0.0159 U	0.33	0.0998	0.936	0.00 - 0.50
5B-00328	20645	Pb-212	1.31	0.017	0.069	2.69	0.00 - 0.50
5B-00328	20645	Pb-214	0.79	0.019	0.03	1.7	0.00 - 0.50
5B-00328	20645	Pu-236	0 U	0.0018	0.0006	7.79	0.00 - 0.50
5B-00328	20645	Pu-238	0.0035	0.0039	0.0017	0.0415	0.00 - 0.50
5B-00328	20645	Pu-239/240	0.0007 U	0.0018	0.0007	0.0404	0.00 - 0.50
5B-00328	20645	Pu-244	0.0019	0.0018	0.0011	0.0313	0.00 - 0.50
5B-00328	20645	Sb-125	0.13 SK	0.028	0.0088	0.354	0.00 - 0.50
5B-00328	20645	Sn-126	0.0014 U	0.01	0.0031	0.0237	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00328	20645	Sr-90	0.0058 U	0.033	0.0098	0.485	0.00 - 0.50
5B-00328	20645	Tc-99	-0.03 U	0.29	0.089	1.63	0.00 - 0.50
5B-00328	20645	Te-125m	0.03 SK	0.0064	0.002	0.0838	0.00 - 0.50
5B-00328	20645	Th-228	1.15	0.013	0.059	3.98	0.00 - 0.50
5B-00328	20645	Th-229	0.0069	0.0081	0.0031	0.145	0.00 - 0.50
5B-00328	20645	Th-230	0.759	0.009	0.042	2.2	0.00 - 0.50
5B-00328	20645	Th-232	1.04	0.007	0.054	3.1	0.00 - 0.50
5B-00328	20645	Th-234	1.16	0.11	0.067	3.19	0.00 - 0.50
5B-00328	20645	Tl-208	0.384	0.012	0.015	0.937	0.00 - 0.50
5B-00328	20645	Tm-171	4.1	4	1.7	72.4	0.00 - 0.50
5B-00328	20645	U-233/234	0.586	0.01	0.034	2.02	0.00 - 0.50
5B-00328	20645	U-235/236	0.0233	0.0032	0.0053	0.151	0.00 - 0.50
5B-00328	20645	U-238	0.546	0.007	0.032	1.8	0.00 - 0.50
5B-00328	20646	Ac-227	0.032 U	0.099	0.038	0.217	1.00 - 4.50
5B-00328	20646	Ac-228	1.11	0.048	0.036	2.4	1.00 - 4.50
5B-00328	20646	Am-241	0 U	0.0078	0.0016	0.0454	1.00 - 4.50
5B-00328	20646	Bi-212	0.821	0.093	0.056	2.15	1.00 - 4.50
5B-00328	20646	Bi-214	0.678	0.019	0.024	1.59	1.00 - 4.50
5B-00328	20646	C-14	-0.005 U	0.052	0.016	2.96	1.00 - 4.50
5B-00328	20646	Cd-113m	7.4 U	29	8.8	3030	1.00 - 4.50
5B-00328	20646	Cm-243/244	-0.001 U	0.0077	0.0012	0.0443	1.00 - 4.50
5B-00328	20646	Cm-245/246	0.0026 U	0.0097	0.0027	0.0401	1.00 - 4.50
5B-00328	20646	Cm-247/248	0 U	0.0095	0.0019	0.0306	1.00 - 4.50
5B-00328	20646	Co-60	0.0089	0.012	0.0029	0.028	1.00 - 4.50
5B-00328	20646	Cs-134	0.0105 U	0.031	0.0024	0.0864	1.00 - 4.50
5B-00328	20646	Cs-137	0.0011 U	0.011	0.0032	0.207	1.00 - 4.50
5B-00328	20646	Eu-152	0.0029 U	0.026	0.0018	0.0566	1.00 - 4.50
5B-00328	20646	Eu-154	0.003 U	0.069	0.0022	0.15	1.00 - 4.50
5B-00328	20646	Eu-155	0.063 SK	0.026	0.011	0.231	1.00 - 4.50
5B-00328	20646	H-3	0.089 U	0.19	0.057	11.9	1.00 - 4.50
5B-00328	20646	Ho-166m	0.0046 U L,R	0.017	0.0022	0.0432	1.00 - 4.50
5B-00328	20646	K-40	20.9	0.11	0.62	32.4	1.00 - 4.50
5B-00328	20646	Na-22	0.0038 U	0.016	0.0047	0.037	1.00 - 4.50
5B-00328	20646	Nb-94	0.0021 U	0.0093	0.0028	0.0214	1.00 - 4.50
5B-00328	20646	Ni-59	0 U	0.65	0.17	5.96	1.00 - 4.50
5B-00328	20646	Ni-63	0.34	0.64	0.19	4.92	1.00 - 4.50
5B-00328	20646	Np-236	-0.002 U	0.022	0.0065	0.047	1.00 - 4.50
5B-00328	20646	Np-239	0.003 U	0.063	0.019	0.139	1.00 - 4.50
5B-00328	20646	Pa-231	0.1 U	0.41	0.12	0.936	1.00 - 4.50
5B-00328	20646	Pb-212	1.39	0.018	0.056	2.69	1.00 - 4.50
5B-00328	20646	Pb-214	0.76	0.018	0.025	1.7	1.00 - 4.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00328	20646	Pu-236	0 U	0.0026	0.0008	7.79	1.00 - 4.50
5B-00328	20646	Pu-238	-6E-04 U	0.0056	0.0006	0.0415	1.00 - 4.50
5B-00328	20646	Pu-239/240	0.001 U	0.0026	0.001	0.0404	1.00 - 4.50
5B-00328	20646	Pu-244	0.0019	0.0026	0.0013	0.0313	1.00 - 4.50
5B-00328	20646	Sb-125	0.121 JSK	0.028	0.0079	0.354	1.00 - 4.50
5B-00328	20646	Sn-126	0.001 U	0.01	0.0031	0.0237	1.00 - 4.50
5B-00328	20646	Sr-90	-6E-04 U	0.06	0.017	0.485	1.00 - 4.50
5B-00328	20646	Tc-99	-0.048 U	0.29	0.088	1.63	1.00 - 4.50
5B-00328	20646	Te-125m	0.028 JSK	0.0066	0.0018	0.0838	1.00 - 4.50
5B-00328	20646	Th-228	1.27	0.013	0.065	3.98	1.00 - 4.50
5B-00328	20646	Th-229	0.0112	0.018	0.0062	0.145	1.00 - 4.50
5B-00328	20646	Th-230	0.931	0.003	0.05	2.2	1.00 - 4.50
5B-00328	20646	Th-232	1.22	0.012	0.063	3.1	1.00 - 4.50
5B-00328	20646	Th-234	1.34 R	0.11	0.07	3.19	1.00 - 4.50
5B-00328	20646	Tl-208	0.415	0.012	0.015	0.937	1.00 - 4.50
5B-00328	20646	Tm-171	-3.9 U J	4.1	1.2	72.4	1.00 - 4.50
5B-00328	20646	U-233/234	0.698	0.017	0.043	2.02	1.00 - 4.50
5B-00328	20646	U-235/236	0.0479	0.0048	0.0094	0.151	1.00 - 4.50
5B-00328	20646	U-238	0.748	0.013	0.045	1.8	1.00 - 4.50
5B-00333	20648	Ac-227	0.034 U	0.099	0.03	0.217	0.00 - 0.50
5B-00333	20648	Ac-228	1.04	0.054	0.037	2.4	0.00 - 0.50
5B-00333	20648	Am-241	-0.002 U	0.011	0.0025	0.0454	0.00 - 0.50
5B-00333	20648	Bi-212	0.835	0.083	0.053	2.15	0.00 - 0.50
5B-00333	20648	Bi-214	0.499	0.018	0.021	1.59	0.00 - 0.50
5B-00333	20648	Cd-113m	2.5 U	29	8.6	3030	0.00 - 0.50
5B-00333	20648	Cm-243/244	0 U	0.013	0.0034	0.0443	0.00 - 0.50
5B-00333	20648	Cm-245/246	0.0008 U J	0.0022	0.0008	0.0401	0.00 - 0.50
5B-00333	20648	Cm-247/248	-8E-04 U	0.0059	0.0009	0.0306	0.00 - 0.50
5B-00333	20648	Co-60	-2E-04 U	0.012	0.0037	0.028	0.00 - 0.50
5B-00333	20648	Cs-134	0.0068 U	0.025	0.0022	0.0864	0.00 - 0.50
5B-00333	20648	Cs-137	0.0065	0.011	0.0033	0.207	0.00 - 0.50
5B-00333	20648	Eu-152	0.006 U	0.026	0.01	0.0566	0.00 - 0.50
5B-00333	20648	Eu-154	0.0205 U	0.065	0.0088	0.15	0.00 - 0.50
5B-00333	20648	Eu-155	0.061 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00333	20648	Ho-166m	0.0078 U	0.017	0.0027	0.0432	0.00 - 0.50
5B-00333	20648	K-40	21.3	0.12	0.7	32.4	0.00 - 0.50
5B-00333	20648	Na-22	0.0036 U	0.011	0.0034	0.037	0.00 - 0.50
5B-00333	20648	Nb-94	-5E-04 U	0.0085	0.0026	0.0214	0.00 - 0.50
5B-00333	20648	Np-236	-0.002 U	0.022	0.0066	0.047	0.00 - 0.50
5B-00333	20648	Np-239	0.02 U	0.065	0.02	0.139	0.00 - 0.50
5B-00333	20648	Pa-231	0.006 U	0.42	0.13	0.936	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00333	20648	Pb-212	1.27 J	0.017	0.067	2.69	0.00 - 0.50
5B-00333	20648	Pb-214	0.534	0.021	0.021	1.7	0.00 - 0.50
5B-00333	20648	Pu-236	0.0007 U	0.0019	0.0007	7.79	0.00 - 0.50
5B-00333	20648	Pu-238	0.0031	0.0042	0.0017	0.0415	0.00 - 0.50
5B-00333	20648	Pu-239/240	0.0021	0.0019	0.0012	0.0404	0.00 - 0.50
5B-00333	20648	Pu-244	0.0036	0.0019	0.0016	0.0313	0.00 - 0.50
5B-00333	20648	Sb-125	0.114 SK	0.027	0.0083	0.354	0.00 - 0.50
5B-00333	20648	Sn-126	-6E-04 U	0.01	0.003	0.0237	0.00 - 0.50
5B-00333	20648	Sr-90	0.0104 U	0.029	0.0087	0.485	0.00 - 0.50
5B-00333	20648	Te-125m	0.0263 SK	0.0063	0.0019	0.0838	0.00 - 0.50
5B-00333	20648	Th-228	1.1	0.019	0.058	3.98	0.00 - 0.50
5B-00333	20648	Th-229	0.0086	0.011	0.0041	0.145	0.00 - 0.50
5B-00333	20648	Th-230	0.58	0.013	0.035	2.2	0.00 - 0.50
5B-00333	20648	Th-232	1.05	0.003	0.056	3.1	0.00 - 0.50
5B-00333	20648	Th-234	0.36 R	0.11	0.039	3.19	0.00 - 0.50
5B-00333	20648	Tl-208	0.393	0.013	0.016	0.937	0.00 - 0.50
5B-00333	20648	Tm-171	-1.5 U	4.5	1.4	72.4	0.00 - 0.50
5B-00333	20649	Ac-227	0.088	0.092	0.02	0.217	1.00 - 5.00
5B-00333	20649	Ac-228	1.05	0.08	0.039	2.4	1.00 - 5.00
5B-00333	20649	Am-241	0.0066	0.003	0.0027	0.0454	1.00 - 5.00
5B-00333	20649	Bi-212	0.827	0.13	0.076	2.15	1.00 - 5.00
5B-00333	20649	Bi-214	0.826	0.024	0.03	1.59	1.00 - 5.00
5B-00333	20649	C-14	0.019 U	0.042	0.013	2.96	1.00 - 5.00
5B-00333	20649	Cd-113m	11 U	39	12	3030	1.00 - 5.00
5B-00333	20649	Cm-243/244	0 U	0.0079	0.0016	0.0443	1.00 - 5.00
5B-00333	20649	Cm-245/246	0.0034	0.003	0.0019	0.0401	1.00 - 5.00
5B-00333	20649	Cm-247/248	0.0011 U	0.003	0.0011	0.0306	1.00 - 5.00
5B-00333	20649	Co-60	0.0016 U	0.017	0.0033	0.028	1.00 - 5.00
5B-00333	20649	Cs-134	-0.003 U	0.053	0.016	0.0864	1.00 - 5.00
5B-00333	20649	Cs-137	0.0104	0.011	0.0035	0.207	1.00 - 5.00
5B-00333	20649	Eu-152	0.001 U	0.036	0.011	0.0566	1.00 - 5.00
5B-00333	20649	Eu-154	0.004 U	0.091	0.016	0.15	1.00 - 5.00
5B-00333	20649	Eu-155	0.058 SK	0.045	0.019	0.231	1.00 - 5.00
5B-00333	20649	H-3	0.04 U	0.19	0.056	11.9	1.00 - 5.00
5B-00333	20649	Ho-166m	0.0045 U J	0.023	0.0057	0.0432	1.00 - 5.00
5B-00333	20649	K-40	22.1	0.1	0.66	32.4	1.00 - 5.00
5B-00333	20649	Na-22	-0.007 U	0.022	0.0065	0.037	1.00 - 5.00
5B-00333	20649	Nb-94	0.0047 U	0.013	0.0039	0.0214	1.00 - 5.00
5B-00333	20649	Ni-59	0 U	0.27	0.088	5.96	1.00 - 5.00
5B-00333	20649	Ni-63	0.06 U	0.48	0.14	4.92	1.00 - 5.00
5B-00333	20649	Np-236	-9E-04 U	0.035	0.01	0.047	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00333	20649	Np-239	-8E-04 U	0.088	0.026	0.139	1.00 - 5.00
5B-00333	20649	Pa-231	-0.14 U	0.58	0.18	0.936	1.00 - 5.00
5B-00333	20649	Pb-212	1.27	0.021	0.039	2.69	1.00 - 5.00
5B-00333	20649	Pb-214	0.885	0.025	0.038	1.7	1.00 - 5.00
5B-00333	20649	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 5.00
5B-00333	20649	Pu-238	-4E-04 U	0.0042	0.0005	0.0415	1.00 - 5.00
5B-00333	20649	Pu-239/240	0.0065	0.0019	0.0022	0.0404	1.00 - 5.00
5B-00333	20649	Pu-244	0.001 U	0.0042	0.0011	0.0313	1.00 - 5.00
5B-00333	20649	Sb-125	0.11 SK	0.041	0.0093	0.354	1.00 - 5.00
5B-00333	20649	Sn-126	-3E-04 U	0.015	0.0044	0.0237	1.00 - 5.00
5B-00333	20649	Sr-90	0.031	0.031	0.01	0.485	1.00 - 5.00
5B-00333	20649	Tc-99	-0.021 U	0.32	0.097	1.63	1.00 - 5.00
5B-00333	20649	Te-125m	0.0254 SK	0.0094	0.0021	0.0838	1.00 - 5.00
5B-00333	20649	Th-228	1.16	0.018	0.06	3.98	1.00 - 5.00
5B-00333	20649	Th-229	0.0112	0.0063	0.0034	0.145	1.00 - 5.00
5B-00333	20649	Th-230	1.18	0.009	0.06	2.2	1.00 - 5.00
5B-00333	20649	Th-232	1.11	0.009	0.057	3.1	1.00 - 5.00
5B-00333	20649	Th-234	1.19	0.19	0.072	3.19	1.00 - 5.00
5B-00333	20649	Tl-208	0.411	0.017	0.016	0.937	1.00 - 5.00
5B-00333	20649	Tm-171	-11.7 JU J	8.5	2.6	72.4	1.00 - 5.00
5B-00333	20649	U-233/234	0.858	0.01	0.046	2.02	1.00 - 5.00
5B-00333	20649	U-235/236	0.0434	0.0032	0.0074	0.151	1.00 - 5.00
5B-00333	20649	U-238	0.83	0.003	0.045	1.8	1.00 - 5.00
5B-00331	20651	Ac-227	0.243 RZ	0.11	0.015	0.217	0.00 - 0.50
5B-00331	20651	Ac-228	1.19	0.056	0.042	2.4	0.00 - 0.50
5B-00331	20651	Am-241	0.0048	0.0074	0.0026	0.0454	0.00 - 0.50
5B-00331	20651	Bi-212	0.962	0.098	0.063	2.15	0.00 - 0.50
5B-00331	20651	Bi-214	0.713	0.021	0.028	1.59	0.00 - 0.50
5B-00331	20651	Cd-113m	14.6	28	8.5	3030	0.00 - 0.50
5B-00331	20651	Cm-243/244	-0.002 U	0.011	0.0025	0.0443	0.00 - 0.50
5B-00331	20651	Cm-245/246	0.0006 U	0.0017	0.0006	0.0401	0.00 - 0.50
5B-00331	20651	Cm-247/248	0.0006 U	0.0017	0.0006	0.0306	0.00 - 0.50
5B-00331	20651	Co-60	0.0008 U	0.014	0.0035	0.028	0.00 - 0.50
5B-00331	20651	Cs-134	-0.004 U	0.037	0.011	0.0864	0.00 - 0.50
5B-00331	20651	Cs-137	-8E-04 U	0.011	0.0033	0.207	0.00 - 0.50
5B-00331	20651	Eu-152	0.0074 U	0.028	0.0084	0.0566	0.00 - 0.50
5B-00331	20651	Eu-154	-0.025 U	0.076	0.023	0.15	0.00 - 0.50
5B-00331	20651	Eu-155	0.079 SK	0.028	0.012	0.231	0.00 - 0.50
5B-00331	20651	Ho-166m	0.0034 U	0.018	0.0018	0.0432	0.00 - 0.50
5B-00331	20651	K-40	21.9	0.11	0.72	32.4	0.00 - 0.50
5B-00331	20651	Na-22	-0.007 U	0.018	0.0054	0.037	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00331	20651	Nb-94	0.0023 U	0.01	0.0031	0.0214	0.00 - 0.50
5B-00331	20651	Np-236	0.002 U	0.023	0.0069	0.047	0.00 - 0.50
5B-00331	20651	Np-239	0.04	0.054	0.022	0.139	0.00 - 0.50
5B-00331	20651	Pa-231	-0.07 U	0.45	0.14	0.936	0.00 - 0.50
5B-00331	20651	Pb-212	1.51 J	0.018	0.08	2.69	0.00 - 0.50
5B-00331	20651	Pb-214	0.823	0.02	0.031	1.7	0.00 - 0.50
5B-00331	20651	Pu-236	0.0007 U	0.002	0.0007	7.79	0.00 - 0.50
5B-00331	20651	Pu-238	0.0022	0.002	0.0013	0.0415	0.00 - 0.50
5B-00331	20651	Pu-239/240	0.0015	0.002	0.001	0.0404	0.00 - 0.50
5B-00331	20651	Pu-244	0.0021	0.0054	0.0016	0.0313	0.00 - 0.50
5B-00331	20651	Sb-125	0.139 SK	0.031	0.009	0.354	0.00 - 0.50
5B-00331	20651	Sn-126	0.0011 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00331	20651	Sr-90	0.016 U	0.03	0.0091	0.485	0.00 - 0.50
5B-00331	20651	Te-125m	0.0321 SK	0.0072	0.0021	0.0838	0.00 - 0.50
5B-00331	20651	Th-228	1.24	0.016	0.061	3.98	0.00 - 0.50
5B-00331	20651	Th-229	0.0128	0.0063	0.0036	0.145	0.00 - 0.50
5B-00331	20651	Th-230	0.876	0.008	0.045	2.2	0.00 - 0.50
5B-00331	20651	Th-232	1.16	0.006	0.057	3.1	0.00 - 0.50
5B-00331	20651	Th-234	1.32 R	0.12	0.074	3.19	0.00 - 0.50
5B-00331	20651	Tl-208	0.442	0.013	0.017	0.937	0.00 - 0.50
5B-00331	20651	Tm-171	-1.1 U	3.9	1.2	72.4	0.00 - 0.50
5B-00331	20652	Ac-227	0.001 U	0.11	0.034	0.217	1.00 - 4.00
5B-00331	20652	Ac-228	1.27	0.076	0.044	2.4	1.00 - 4.00
5B-00331	20652	Am-241	0.0043	0.0079	0.0027	0.0454	1.00 - 4.00
5B-00331	20652	Bi-212	1	0.12	0.072	2.15	1.00 - 4.00
5B-00331	20652	Bi-214	0.848	0.028	0.031	1.59	1.00 - 4.00
5B-00331	20652	C-14	0.024	0.035	0.011	2.96	1.00 - 4.00
5B-00331	20652	Cd-113m	-0.7 U	39	12	3030	1.00 - 4.00
5B-00331	20652	Cm-243/244	0.0011 U	0.0029	0.0011	0.0443	1.00 - 4.00
5B-00331	20652	Cm-245/246	0 U	0.0089	0.0018	0.0401	1.00 - 4.00
5B-00331	20652	Cm-247/248	0.0012 U	0.0032	0.0012	0.0306	1.00 - 4.00
5B-00331	20652	Co-60	0.0043 U	0.018	0.0044	0.028	1.00 - 4.00
5B-00331	20652	Cs-134	0.0074 U	0.049	0.0026	0.0864	1.00 - 4.00
5B-00331	20652	Cs-137	0.0002 U	0.014	0.0042	0.207	1.00 - 4.00
5B-00331	20652	Eu-152	0.009 U	0.037	0.015	0.0566	1.00 - 4.00
5B-00331	20652	Eu-154	0.005 U	0.087	0.026	0.15	1.00 - 4.00
5B-00331	20652	Eu-155	0.101 SK	0.035	0.015	0.231	1.00 - 4.00
5B-00331	20652	H-3	-0.026 U	0.23	0.068	11.9	1.00 - 4.00
5B-00331	20652	Ho-166m	0.0029 U	0.025	0.0018	0.0432	1.00 - 4.00
5B-00331	20652	K-40	22.4	0.16	0.68	32.4	1.00 - 4.00
5B-00331	20652	Na-22	0.0001 U	0.024	0.007	0.037	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00331	20652	Nb-94	0.008 SK	0.012	0.0038	0.0214	1.00 - 4.00
5B-00331	20652	Ni-59	0 U	0.2	0.051	5.96	1.00 - 4.00
5B-00331	20652	Ni-63	-0.14 U	0.65	0.19	4.92	1.00 - 4.00
5B-00331	20652	Np-236	-3E-04 U	0.028	0.0084	0.047	1.00 - 4.00
5B-00331	20652	Np-239	0.0001 U	0.083	0.025	0.139	1.00 - 4.00
5B-00331	20652	Pa-231	-0.002 U	0.51	0.15	0.936	1.00 - 4.00
5B-00331	20652	Pb-212	1.49	0.024	0.045	2.69	1.00 - 4.00
5B-00331	20652	Pb-214	0.883	0.026	0.038	1.7	1.00 - 4.00
5B-00331	20652	Pu-236	-0.001 U	0.0068	0.0012	7.79	1.00 - 4.00
5B-00331	20652	Pu-238	0.0043	0.0054	0.0021	0.0415	1.00 - 4.00
5B-00331	20652	Pu-239/240	-1E-04 U	0.0054	0.001	0.0404	1.00 - 4.00
5B-00331	20652	Pu-244	0.003	0.002	0.0015	0.0313	1.00 - 4.00
5B-00331	20652	Sb-125	0.15 SK	0.04	0.012	0.354	1.00 - 4.00
5B-00331	20652	Sn-126	0.0019 U	0.016	0.0047	0.0237	1.00 - 4.00
5B-00331	20652	Sr-90	0.01 U	0.035	0.01	0.485	1.00 - 4.00
5B-00331	20652	Tc-99	-0.031 U	0.29	0.087	1.63	1.00 - 4.00
5B-00331	20652	Te-125m	0.0347 SK	0.0093	0.0027	0.0838	1.00 - 4.00
5B-00331	20652	Th-228	1.11	0.038	0.067	3.98	1.00 - 4.00
5B-00331	20652	Th-229	0.0139	0.0086	0.0041	0.145	1.00 - 4.00
5B-00331	20652	Th-230	0.654	0.006	0.046	2.2	1.00 - 4.00
5B-00331	20652	Th-232	1.06	0.015	0.064	3.1	1.00 - 4.00
5B-00331	20652	Th-234	0.324 R	0.16	0.05	3.19	1.00 - 4.00
5B-00331	20652	Tl-208	0.514	0.017	0.019	0.937	1.00 - 4.00
5B-00331	20652	Tm-171	-2.2 U	5.4	1.6	72.4	1.00 - 4.00
5B-00331	20652	U-233/234	0.694	0.006	0.038	2.02	1.00 - 4.00
5B-00331	20652	U-235/236	0.0245	0.0078	0.0054	0.151	1.00 - 4.00
5B-00331	20652	U-238	0.676	0.009	0.037	1.8	1.00 - 4.00
5B-00322	20654	Ac-227	0.029 U	0.11	0.015	0.217	0.00 - 0.50
5B-00322	20654	Ac-228	1.21	0.061	0.043	2.4	0.00 - 0.50
5B-00322	20654	Am-241	0.0007 U	0.0067	0.0017	0.0454	0.00 - 0.50
5B-00322	20654	Bi-212	0.903	0.1	0.064	2.15	0.00 - 0.50
5B-00322	20654	Bi-214	0.829	0.019	0.031	1.59	0.00 - 0.50
5B-00322	20654	C-14	0.0212	0.024	0.0075	2.96	0.00 - 0.50
5B-00322	20654	Cd-113m	5.7 U	33	9.8	3030	0.00 - 0.50
5B-00322	20654	Cm-243/244	-0.004 U	0.012	0.003	0.0443	0.00 - 0.50
5B-00322	20654	Cm-245/246	0.0027 U J	0.0037	0.0019	0.0401	0.00 - 0.50
5B-00322	20654	Cm-247/248	0.0013 U	0.0036	0.0013	0.0306	0.00 - 0.50
5B-00322	20654	Co-60	-0.002 U	0.015	0.0044	0.028	0.00 - 0.50
5B-00322	20654	Cs-134	0.0158 U J	0.041	0.0035	0.0864	0.00 - 0.50
5B-00322	20654	Cs-137	0.0083 J	0.0089	0.0027	0.207	0.00 - 0.50
5B-00322	20654	Eu-152	-0.016 U	0.028	0.0084	0.0566	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00322	20654	Eu-154	0.0031 U	0.077	0.0077	0.15	0.00 - 0.50
5B-00322	20654	Eu-155	0.072 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00322	20654	H-3	0.016 U	0.041	0.012	11.9	0.00 - 0.50
5B-00322	20654	Ho-166m	0.0009 U	0.019	0.0015	0.0432	0.00 - 0.50
5B-00322	20654	K-40	21.8	0.12	0.72	32.4	0.00 - 0.50
5B-00322	20654	Na-22	0.0005 U	0.017	0.0051	0.037	0.00 - 0.50
5B-00322	20654	Nb-94	0.0009 U	0.01	0.0014	0.0214	0.00 - 0.50
5B-00322	20654	Ni-59	0 U	0.43	0.1	5.96	0.00 - 0.50
5B-00322	20654	Ni-63	0.17 U	0.72	0.21	4.92	0.00 - 0.50
5B-00322	20654	Np-236	-0.007 U	0.026	0.0078	0.047	0.00 - 0.50
5B-00322	20654	Np-239	-0.013 U	0.073	0.022	0.139	0.00 - 0.50
5B-00322	20654	Pa-231	-0.03 U	0.46	0.14	0.936	0.00 - 0.50
5B-00322	20654	Pb-212	1.53	0.019	0.08	2.69	0.00 - 0.50
5B-00322	20654	Pb-214	0.939	0.021	0.035	1.7	0.00 - 0.50
5B-00322	20654	Pu-236	-7E-04 U	0.0066	0.0014	7.79	0.00 - 0.50
5B-00322	20654	Pu-238	0.0005 U	0.0048	0.0011	0.0415	0.00 - 0.50
5B-00322	20654	Pu-239/240	0.0009 U	0.0039	0.001	0.0404	0.00 - 0.50
5B-00322	20654	Pu-244	0.0033	0.0018	0.0015	0.0313	0.00 - 0.50
5B-00322	20654	Sb-125	0.121 JSK	0.031	0.0084	0.354	0.00 - 0.50
5B-00322	20654	Sn-126	-0.001 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00322	20654	Sr-90	-0.018 U	0.053	0.015	0.485	0.00 - 0.50
5B-00322	20654	Tc-99	-0.062 U	0.3	0.09	1.63	0.00 - 0.50
5B-00322	20654	Te-125m	0.0278 JSK	0.0072	0.0019	0.0838	0.00 - 0.50
5B-00322	20654	Th-228	1.41	0.019	0.071	3.98	0.00 - 0.50
5B-00322	20654	Th-229	0.0078	0.0079	0.0032	0.145	0.00 - 0.50
5B-00322	20654	Th-230	0.962	0.003	0.052	2.2	0.00 - 0.50
5B-00322	20654	Th-232	1.27	0.013	0.065	3.1	0.00 - 0.50
5B-00322	20654	Th-234	1.36 R	0.13	0.079	3.19	0.00 - 0.50
5B-00322	20654	Tl-208	0.457	0.014	0.018	0.937	0.00 - 0.50
5B-00322	20654	Tm-171	-4.1 U J	4.2	1.3	72.4	0.00 - 0.50
5B-00322	20654	U-233/234	0.761	0.009	0.042	2.02	0.00 - 0.50
5B-00322	20654	U-235/236	0.042	0.0088	0.0075	0.151	0.00 - 0.50
5B-00322	20654	U-238	0.715	0.003	0.04	1.8	0.00 - 0.50
5B-00322	20655	Ac-227	0.038 U	0.097	0.038	0.217	1.00 - 4.00
5B-00322	20655	Ac-228	1.18	0.051	0.037	2.4	1.00 - 4.00
5B-00322	20655	Am-241	0.0014 U	0.01	0.0025	0.0454	1.00 - 4.00
5B-00322	20655	Bi-212	0.965	0.096	0.062	2.15	1.00 - 4.00
5B-00322	20655	Bi-214	0.675	0.02	0.024	1.59	1.00 - 4.00
5B-00322	20655	C-14	0.0073 U	0.031	0.0093	2.96	1.00 - 4.00
5B-00322	20655	Cd-113m	4.7 U	30	9	3030	1.00 - 4.00
5B-00322	20655	Cm-243/244	-0.003 U	0.012	0.0021	0.0443	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00322	20655	Cm-245/246	0.0058	0.0085	0.0031	0.0401	1.00 - 4.00
5B-00322	20655	Cm-247/248	0.0011 U	0.0031	0.0011	0.0306	1.00 - 4.00
5B-00322	20655	Co-60	0 U	0.011	0.0032	0.028	1.00 - 4.00
5B-00322	20655	Cs-134	0.0147 SK	0.029	0.0033	0.0864	1.00 - 4.00
5B-00322	20655	Cs-137	0.0008 U	0.01	0.0031	0.207	1.00 - 4.00
5B-00322	20655	Eu-152	0.0138 U	0.028	0.0067	0.0566	1.00 - 4.00
5B-00322	20655	Eu-154	-0.009 U	0.071	0.021	0.15	1.00 - 4.00
5B-00322	20655	Eu-155	0.076 SK	0.027	0.011	0.231	1.00 - 4.00
5B-00322	20655	H-3	0.004 U	0.18	0.054	11.9	1.00 - 4.00
5B-00322	20655	Ho-166m	0.0063 U	0.017	0.0031	0.0432	1.00 - 4.00
5B-00322	20655	K-40	23	0.11	0.68	32.4	1.00 - 4.00
5B-00322	20655	Na-22	-0.003 U	0.016	0.005	0.037	1.00 - 4.00
5B-00322	20655	Nb-94	0.0124 SK	0.0081	0.0039	0.0214	1.00 - 4.00
5B-00322	20655	Ni-59	0 U	0.16	0.041	5.96	1.00 - 4.00
5B-00322	20655	Ni-63	-0.12 U	0.55	0.17	4.92	1.00 - 4.00
5B-00322	20655	Np-236	0.0003 U	0.024	0.0072	0.047	1.00 - 4.00
5B-00322	20655	Np-239	0.0007 U	0.064	0.019	0.139	1.00 - 4.00
5B-00322	20655	Pa-231	0 U	0.43	0.051	0.936	1.00 - 4.00
5B-00322	20655	Pb-212	1.38	0.023	0.057	2.69	1.00 - 4.00
5B-00322	20655	Pb-214	0.74	0.021	0.026	1.7	1.00 - 4.00
5B-00322	20655	Pu-236	-0.002 U	0.016	0.0035	7.79	1.00 - 4.00
5B-00322	20655	Pu-238	0.0055	0.011	0.0036	0.0415	1.00 - 4.00
5B-00322	20655	Pu-239/240	0.0022 U	0.0088	0.0024	0.0404	1.00 - 4.00
5B-00322	20655	Pu-244	0.0017 U	0.0071	0.0019	0.0313	1.00 - 4.00
5B-00322	20655	Sb-125	0.134 SK	0.022	0.0086	0.354	1.00 - 4.00
5B-00322	20655	Sn-126	0.0005 U	0.011	0.0033	0.0237	1.00 - 4.00
5B-00322	20655	Sr-90	-0.008 U	0.053	0.015	0.485	1.00 - 4.00
5B-00322	20655	Tc-99	-0.018 U	0.31	0.095	1.63	1.00 - 4.00
5B-00322	20655	Te-125m	0.031 SK	0.005	0.002	0.0838	1.00 - 4.00
5B-00322	20655	Th-228	0.992	0.017	0.054	3.98	1.00 - 4.00
5B-00322	20655	Th-229	0.0089	0.011	0.0039	0.145	1.00 - 4.00
5B-00322	20655	Th-230	0.751	0.003	0.044	2.2	1.00 - 4.00
5B-00322	20655	Th-232	0.982	0.009	0.054	3.1	1.00 - 4.00
5B-00322	20655	Th-234	0.36 R	0.12	0.04	3.19	1.00 - 4.00
5B-00322	20655	Tl-208	0.436	0.011	0.015	0.937	1.00 - 4.00
5B-00322	20655	Tm-171	-1.6 U	4.5	1.4	72.4	1.00 - 4.00
5B-00322	20655	U-233/234	0.62	0.005	0.031	2.02	1.00 - 4.00
5B-00322	20655	U-235/236	0.0334	0.0041	0.0046	0.151	1.00 - 4.00
5B-00322	20655	U-238	0.633	0.003	0.031	1.8	1.00 - 4.00
5B-00323	20656	Ac-227	0.022 U	0.1	0.027	0.217	0.00 - 0.50
5B-00323	20656	Ac-228	0.996	0.049	0.035	2.4	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00323	20656	Am-241	0.0009 U	0.012	0.0032	0.0454	0.00 - 0.50
5B-00323	20656	Bi-212	0.792	0.077	0.048	2.15	0.00 - 0.50
5B-00323	20656	Bi-214	0.716	0.016	0.027	1.59	0.00 - 0.50
5B-00323	20656	C-14	0.01 U	0.04	0.012	2.96	0.00 - 0.50
5B-00323	20656	Cd-113m	3.5 U	22	6.7	3030	0.00 - 0.50
5B-00323	20656	Cm-243/244	-8E-04 U	0.0078	0.0016	0.0443	0.00 - 0.50
5B-00323	20656	Cm-245/246	0.0028	0.0025	0.0016	0.0401	0.00 - 0.50
5B-00323	20656	Cm-247/248	0 U	0.0067	0.0014	0.0306	0.00 - 0.50
5B-00323	20656	Co-60	-0.001 U	0.012	0.0036	0.028	0.00 - 0.50
5B-00323	20656	Cs-134	-0.002 U	0.033	0.0026	0.0864	0.00 - 0.50
5B-00323	20656	Cs-137	-3E-04 U	0.01	0.003	0.207	0.00 - 0.50
5B-00323	20656	Eu-152	-0.01 U	0.025	0.0075	0.0566	0.00 - 0.50
5B-00323	20656	Eu-154	-0.009 U	0.068	0.02	0.15	0.00 - 0.50
5B-00323	20656	Eu-155	0.0444 SK	0.024	0.0098	0.231	0.00 - 0.50
5B-00323	20656	H-3	0.057 U	0.22	0.067	11.9	0.00 - 0.50
5B-00323	20656	Ho-166m	0.0046 U	0.016	0.0056	0.0432	0.00 - 0.50
5B-00323	20656	K-40	20.8	0.1	0.68	32.4	0.00 - 0.50
5B-00323	20656	Na-22	0.0002 U	0.017	0.0051	0.037	0.00 - 0.50
5B-00323	20656	Nb-94	0.0054 SK	0.009	0.0028	0.0214	0.00 - 0.50
5B-00323	20656	Ni-59	0 U	0.2	0.052	5.96	0.00 - 0.50
5B-00323	20656	Ni-63	-0.02 U	0.61	0.18	4.92	0.00 - 0.50
5B-00323	20656	Np-236	0.0005 U	0.019	0.0057	0.047	0.00 - 0.50
5B-00323	20656	Np-239	0.008 U	0.063	0.019	0.139	0.00 - 0.50
5B-00323	20656	Pa-231	0.058 U	0.4	0.068	0.936	0.00 - 0.50
5B-00323	20656	Pb-212	1.16	0.02	0.062	2.69	0.00 - 0.50
5B-00323	20656	Pb-214	0.818	0.017	0.031	1.7	0.00 - 0.50
5B-00323	20656	Pu-236	0.0007 U	0.0059	0.0013	7.79	0.00 - 0.50
5B-00323	20656	Pu-238	0.0031	0.0021	0.0016	0.0415	0.00 - 0.50
5B-00323	20656	Pu-239/240	0.0047	0.0021	0.0019	0.0404	0.00 - 0.50
5B-00323	20656	Pu-244	0.0023	0.0021	0.0014	0.0313	0.00 - 0.50
5B-00323	20656	Sb-125	0.0859 SK	0.024	0.0065	0.354	0.00 - 0.50
5B-00323	20656	Sn-126	0.0033 U	0.011	0.0032	0.0237	0.00 - 0.50
5B-00323	20656	Sr-90	0.012 U	0.035	0.01	0.485	0.00 - 0.50
5B-00323	20656	Tc-99	-0.073 U	0.28	0.085	1.63	0.00 - 0.50
5B-00323	20656	Te-125m	0.0199 SK	0.0055	0.0015	0.0838	0.00 - 0.50
5B-00323	20656	Th-228	1.03	0.02	0.053	3.98	0.00 - 0.50
5B-00323	20656	Th-229	0.0075	0.0088	0.0033	0.145	0.00 - 0.50
5B-00323	20656	Th-230	0.774	0.007	0.042	2.2	0.00 - 0.50
5B-00323	20656	Th-232	1.05	0.007	0.054	3.1	0.00 - 0.50
5B-00323	20656	Th-234	1.21 R	0.11	0.068	3.19	0.00 - 0.50
5B-00323	20656	Tl-208	0.356	0.01	0.014	0.937	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00323	20656	Tm-171	-4.5 U J	3.7	1.2	72.4	0.00 - 0.50
5B-00323	20656	U-233/234	0.887	0.005	0.045	2.02	0.00 - 0.50
5B-00323	20656	U-235/236	0.0478	0.0024	0.0067	0.151	0.00 - 0.50
5B-00323	20656	U-238	0.8	0.005	0.041	1.8	0.00 - 0.50
5B-00323	20657	Ac-227	-0.021 U	0.13	0.039	0.217	1.00 - 5.00
5B-00323	20657	Ac-228	1.01	0.082	0.039	2.4	1.00 - 5.00
5B-00323	20657	Am-241	0 U	0.0029	0.0012	0.0454	1.00 - 5.00
5B-00323	20657	Bi-212	0.882	0.12	0.074	2.15	1.00 - 5.00
5B-00323	20657	Bi-214	0.491	0.023	0.021	1.59	1.00 - 5.00
5B-00323	20657	Cd-113m	-8 U	33	10	3030	1.00 - 5.00
5B-00323	20657	Cm-243/244	0 U	0.0029	0.0012	0.0443	1.00 - 5.00
5B-00323	20657	Cm-245/246	0 U J	0.0096	0.0022	0.0401	1.00 - 5.00
5B-00323	20657	Cm-247/248	0 U	0.0027	0.0011	0.0306	1.00 - 5.00
5B-00323	20657	Co-60	0.0001 U	0.016	0.0046	0.028	1.00 - 5.00
5B-00323	20657	Cs-134	0.0096 U	0.042	0.0032	0.0864	1.00 - 5.00
5B-00323	20657	Cs-137	0.0056 U	0.014	0.0042	0.207	1.00 - 5.00
5B-00323	20657	Eu-152	0.0268	0.022	0.008	0.0566	1.00 - 5.00
5B-00323	20657	Eu-154	-0.027 U	0.087	0.026	0.15	1.00 - 5.00
5B-00323	20657	Eu-155	0.065 SK	0.037	0.015	0.231	1.00 - 5.00
5B-00323	20657	Ho-166m	0.0126 SK	0.022	0.0077	0.0432	1.00 - 5.00
5B-00323	20657	K-40	19.7	0.09	0.59	32.4	1.00 - 5.00
5B-00323	20657	Na-22	0.0005 U	0.017	0.0051	0.037	1.00 - 5.00
5B-00323	20657	Nb-94	0.0035 U	0.012	0.0037	0.0214	1.00 - 5.00
5B-00323	20657	Np-236	0 U	0.026	0.0077	0.047	1.00 - 5.00
5B-00323	20657	Np-239	0.004 U	0.08	0.024	0.139	1.00 - 5.00
5B-00323	20657	Pa-231	-0.007 U	0.39	0.12	0.936	1.00 - 5.00
5B-00323	20657	Pb-212	1.08 J	0.029	0.035	2.69	1.00 - 5.00
5B-00323	20657	Pb-214	0.509	0.025	0.025	1.7	1.00 - 5.00
5B-00323	20657	Pu-236	0.0003 U	0.005	0.001	7.79	1.00 - 5.00
5B-00323	20657	Pu-238	0 U	0.0023	0.0007	0.0415	1.00 - 5.00
5B-00323	20657	Pu-239/240	0.0008 U	0.0023	0.0009	0.0404	1.00 - 5.00
5B-00323	20657	Pu-244	0.0017	0.0023	0.0012	0.0313	1.00 - 5.00
5B-00323	20657	Sb-125	0.132 SK	0.036	0.011	0.354	1.00 - 5.00
5B-00323	20657	Sn-126	-4E-04 U	0.01	0.0031	0.0237	1.00 - 5.00
5B-00323	20657	Sr-90	-0.008 U	0.036	0.01	0.485	1.00 - 5.00
5B-00323	20657	Te-125m	0.0305 SK	0.0084	0.0025	0.0838	1.00 - 5.00
5B-00323	20657	Th-228	1.15	0.015	0.057	3.98	1.00 - 5.00
5B-00323	20657	Th-229	0.0077	0.0063	0.0029	0.145	1.00 - 5.00
5B-00323	20657	Th-230	0.495	0.006	0.028	2.2	1.00 - 5.00
5B-00323	20657	Th-232	1.11	0.002	0.055	3.1	1.00 - 5.00
5B-00323	20657	Th-234	0.851 R	0.18	0.063	3.19	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00323	20657	Tl-208	0.416	0.015	0.016	0.937	1.00 - 5.00
5B-00323	20657	Tm-171	-5.6 U J	8.2	2.5	72.4	1.00 - 5.00
5B-00320	20659	Ac-227	0.055	0.079	0.024	0.217	0.00 - 0.50
5B-00320	20659	Ac-228	0.752	0.071	0.033	2.4	0.00 - 0.50
5B-00320	20659	Am-241	0.002 U	0.0072	0.002	0.0454	0.00 - 0.50
5B-00320	20659	Bi-212	0.632	0.1	0.057	2.15	0.00 - 0.50
5B-00320	20659	Bi-214	0.858	0.022	0.03	1.59	0.00 - 0.50
5B-00320	20659	C-14	0.0229	0.031	0.0095	2.96	0.00 - 0.50
5B-00320	20659	Cd-113m	-1.5 U	30	8.9	3030	0.00 - 0.50
5B-00320	20659	Cm-243/244	-0.005 U	0.014	0.0028	0.0443	0.00 - 0.50
5B-00320	20659	Cm-245/246	0 U	0.003	0.0012	0.0401	0.00 - 0.50
5B-00320	20659	Cm-247/248	0 U	0.008	0.0016	0.0306	0.00 - 0.50
5B-00320	20659	Co-60	0.0019 U	0.015	0.0035	0.028	0.00 - 0.50
5B-00320	20659	Cs-134	0.0009 U	0.046	0.0075	0.0864	0.00 - 0.50
5B-00320	20659	Cs-137	0 U	0.013	0.0039	0.207	0.00 - 0.50
5B-00320	20659	Eu-152	0.0029 U	0.033	0.0044	0.0566	0.00 - 0.50
5B-00320	20659	Eu-154	-0.015 U	0.087	0.026	0.15	0.00 - 0.50
5B-00320	20659	Eu-155	0.043 SK	0.028	0.011	0.231	0.00 - 0.50
5B-00320	20659	H-3	0.054 U	0.18	0.055	11.9	0.00 - 0.50
5B-00320	20659	Ho-166m	-0.005 U L,R	0.021	0.0063	0.0432	0.00 - 0.50
5B-00320	20659	K-40	19.9	0.13	0.6	32.4	0.00 - 0.50
5B-00320	20659	Na-22	-0.003 U	0.022	0.0065	0.037	0.00 - 0.50
5B-00320	20659	Nb-94	0.0031 U	0.012	0.0027	0.0214	0.00 - 0.50
5B-00320	20659	Ni-59	0 U	0.52	0.14	5.96	0.00 - 0.50
5B-00320	20659	Ni-63	0.14 U	0.63	0.19	4.92	0.00 - 0.50
5B-00320	20659	Np-236	-0.002 U	0.023	0.007	0.047	0.00 - 0.50
5B-00320	20659	Np-239	0.005 U	0.067	0.02	0.139	0.00 - 0.50
5B-00320	20659	Pa-231	0.007 U	0.5	0.15	0.936	0.00 - 0.50
5B-00320	20659	Pb-212	0.94	0.022	0.039	2.69	0.00 - 0.50
5B-00320	20659	Pb-214	0.923	0.021	0.03	1.7	0.00 - 0.50
5B-00320	20659	Pu-236	-5E-04 U	0.0052	0.0006	7.79	0.00 - 0.50
5B-00320	20659	Pu-238	0.0009 U	0.0024	0.0009	0.0415	0.00 - 0.50
5B-00320	20659	Pu-239/240	0.0018	0.0024	0.0013	0.0404	0.00 - 0.50
5B-00320	20659	Pu-244	0.0035	0.0024	0.0018	0.0313	0.00 - 0.50
5B-00320	20659	Sb-125	0.0815 JSK	0.035	0.0085	0.354	0.00 - 0.50
5B-00320	20659	Sn-126	0.0007 U	0.0089	0.0027	0.0237	0.00 - 0.50
5B-00320	20659	Sr-90	-0.003 U	0.053	0.015	0.485	0.00 - 0.50
5B-00320	20659	Tc-99	-0.063 U	0.3	0.092	1.63	0.00 - 0.50
5B-00320	20659	Te-125m	0.0188 JSK	0.0081	0.002	0.0838	0.00 - 0.50
5B-00320	20659	Th-228	0.776	0.017	0.042	3.98	0.00 - 0.50
5B-00320	20659	Th-229	0.006	0.0094	0.0033	0.145	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00320	20659	Th-230	0.938	0.008	0.049	2.2	0.00 - 0.50
5B-00320	20659	Th-232	0.744	0.005	0.04	3.1	0.00 - 0.50
5B-00320	20659	Th-234	1.12 R	0.12	0.067	3.19	0.00 - 0.50
5B-00320	20659	Tl-208	0.313	0.015	0.013	0.937	0.00 - 0.50
5B-00320	20659	Tm-171	0.5 U	3.6	1.1	72.4	0.00 - 0.50
5B-00320	20659	U-233/234	0.914	0.008	0.05	2.02	0.00 - 0.50
5B-00320	20659	U-235/236	0.0324	0.0037	0.0068	0.151	0.00 - 0.50
5B-00320	20659	U-238	0.892	0.008	0.049	1.8	0.00 - 0.50
5B-00320	20660	Ac-227	0.023 U	0.11	0.037	0.217	1.00 - 5.00
5B-00320	20660	Ac-228	1.18	0.071	0.042	2.4	1.00 - 5.00
5B-00320	20660	Am-241	0.0009 U	0.0024	0.0009	0.0454	1.00 - 5.00
5B-00320	20660	Bi-212	1.08	0.098	0.067	2.15	1.00 - 5.00
5B-00320	20660	Bi-214	0.788	0.021	0.03	1.59	1.00 - 5.00
5B-00320	20660	C-14	0.021	0.042	0.013	2.96	1.00 - 5.00
5B-00320	20660	Cd-113m	-0.6 U	32	9.7	3030	1.00 - 5.00
5B-00320	20660	Cm-243/244	0.0009 U	0.0024	0.0009	0.0443	1.00 - 5.00
5B-00320	20660	Cm-245/246	-0.001 U	0.01	0.0015	0.0401	1.00 - 5.00
5B-00320	20660	Cm-247/248	-0.001 U	0.013	0.0025	0.0306	1.00 - 5.00
5B-00320	20660	Co-60	-0.001 U	0.013	0.004	0.028	1.00 - 5.00
5B-00320	20660	Cs-134	0.0105 U	0.032	0.0035	0.0864	1.00 - 5.00
5B-00320	20660	Cs-137	0.0016 U	0.012	0.0036	0.207	1.00 - 5.00
5B-00320	20660	Eu-152	-0.002 U	0.029	0.0029	0.0566	1.00 - 5.00
5B-00320	20660	Eu-154	0.006 U	0.067	0.011	0.15	1.00 - 5.00
5B-00320	20660	Eu-155	0.066 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00320	20660	H-3	0.126	0.18	0.055	11.9	1.00 - 5.00
5B-00320	20660	Ho-166m	0.0084 U J	0.019	0.0059	0.0432	1.00 - 5.00
5B-00320	20660	K-40	22.1	0.14	0.73	32.4	1.00 - 5.00
5B-00320	20660	Na-22	-0.004 U	0.017	0.0053	0.037	1.00 - 5.00
5B-00320	20660	Nb-94	0.0038 U	0.0097	0.0023	0.0214	1.00 - 5.00
5B-00320	20660	Ni-59	0 U	0.34	0.11	5.96	1.00 - 5.00
5B-00320	20660	Ni-63	-0.07 U	0.56	0.17	4.92	1.00 - 5.00
5B-00320	20660	Np-236	-0.002 U	0.026	0.0077	0.047	1.00 - 5.00
5B-00320	20660	Np-239	0.001 U	0.072	0.022	0.139	1.00 - 5.00
5B-00320	20660	Pa-231	0.05 U	0.45	0.14	0.936	1.00 - 5.00
5B-00320	20660	Pb-212	1.5	0.019	0.079	2.69	1.00 - 5.00
5B-00320	20660	Pb-214	0.919	0.021	0.035	1.7	1.00 - 5.00
5B-00320	20660	Pu-236	0 U	0.0019	0.0006	7.79	1.00 - 5.00
5B-00320	20660	Pu-238	0.0007 U	0.0019	0.0007	0.0415	1.00 - 5.00
5B-00320	20660	Pu-239/240	0 U	0.0019	0.0006	0.0404	1.00 - 5.00
5B-00320	20660	Pu-244	-9E-04 U	0.0052	0.0007	0.0313	1.00 - 5.00
5B-00320	20660	Sb-125	0.124 SK	0.031	0.0087	0.354	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00320	20660	Sn-126	0.0032 U	0.011	0.0034	0.0237	1.00 - 5.00
5B-00320	20660	Sr-90	0.003 U	0.037	0.011	0.485	1.00 - 5.00
5B-00320	20660	Tc-99	-0.029 U	0.31	0.095	1.63	1.00 - 5.00
5B-00320	20660	Te-125m	0.0287 SK	0.0071	0.002	0.0838	1.00 - 5.00
5B-00320	20660	Th-228	1.33	0.022	0.069	3.98	1.00 - 5.00
5B-00320	20660	Th-229	0.0174	0.0071	0.0044	0.145	1.00 - 5.00
5B-00320	20660	Th-230	0.959	0.011	0.053	2.2	1.00 - 5.00
5B-00320	20660	Th-232	1.3	0.009	0.068	3.1	1.00 - 5.00
5B-00320	20660	Th-234	0.302	0.13	0.041	3.19	1.00 - 5.00
5B-00320	20660	Tl-208	0.447	0.014	0.018	0.937	1.00 - 5.00
5B-00320	20660	Tm-171	-1.8 U J	4.4	1.3	72.4	1.00 - 5.00
5B-00320	20660	U-233/234	0.709	0.006	0.039	2.02	1.00 - 5.00
5B-00320	20660	U-235/236	0.0278	0.0079	0.0058	0.151	1.00 - 5.00
5B-00320	20660	U-238	0.681	0.011	0.038	1.8	1.00 - 5.00
5B-00325	20661	Ac-227	0.028 U	0.11	0.018	0.217	0.00 - 0.50
5B-00325	20661	Ac-228	0.803	0.057	0.03	2.4	0.00 - 0.50
5B-00325	20661	Am-241	0.0048	0.0064	0.0023	0.0454	0.00 - 0.50
5B-00325	20661	Bi-212	0.631	0.1	0.059	2.15	0.00 - 0.50
5B-00325	20661	Bi-214	0.766	0.02	0.029	1.59	0.00 - 0.50
5B-00325	20661	C-14	0.0165	0.028	0.0087	2.96	0.00 - 0.50
5B-00325	20661	Cd-113m	0 U	30	9.1	3030	0.00 - 0.50
5B-00325	20661	Cm-243/244	-0.002 U	0.0081	0.0017	0.0443	0.00 - 0.50
5B-00325	20661	Cm-245/246	0.0015	0.0013	0.0009	0.0401	0.00 - 0.50
5B-00325	20661	Cm-247/248	0 U	0.0013	0.0005	0.0306	0.00 - 0.50
5B-00325	20661	Co-60	0.0025 U	0.013	0.0025	0.028	0.00 - 0.50
5B-00325	20661	Cs-134	0.0088 U	0.032	0.0024	0.0864	0.00 - 0.50
5B-00325	20661	Cs-137	-0.005 U	0.011	0.0034	0.207	0.00 - 0.50
5B-00325	20661	Eu-152	0.0078 U	0.026	0.0062	0.0566	0.00 - 0.50
5B-00325	20661	Eu-154	-0.005 U	0.069	0.021	0.15	0.00 - 0.50
5B-00325	20661	Eu-155	0.0322 SK	0.032	0.0099	0.231	0.00 - 0.50
5B-00325	20661	H-3	0.047 U	0.22	0.066	11.9	0.00 - 0.50
5B-00325	20661	Ho-166m	0.0039 U	0.017	0.0026	0.0432	0.00 - 0.50
5B-00325	20661	K-40	22	0.13	0.73	32.4	0.00 - 0.50
5B-00325	20661	Na-22	-0.003 U	0.017	0.0051	0.037	0.00 - 0.50
5B-00325	20661	Nb-94	-4E-04 U	0.0098	0.0029	0.0214	0.00 - 0.50
5B-00325	20661	Ni-59	0 U	0.2	0.05	5.96	0.00 - 0.50
5B-00325	20661	Ni-63	0.21 U	0.59	0.18	4.92	0.00 - 0.50
5B-00325	20661	Np-236	0.0042 U	0.024	0.0071	0.047	0.00 - 0.50
5B-00325	20661	Np-239	-0.013 U	0.068	0.021	0.139	0.00 - 0.50
5B-00325	20661	Pa-231	0.03 U	0.42	0.13	0.936	0.00 - 0.50
5B-00325	20661	Pb-212	0.976	0.02	0.052	2.69	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00325	20661	Pb-214	0.862	0.021	0.033	1.7	0.00 - 0.50
5B-00325	20661	Pu-236	-4E-04 U	0.0044	0.0005	7.79	0.00 - 0.50
5B-00325	20661	Pu-238	0.004	0.0044	0.0019	0.0415	0.00 - 0.50
5B-00325	20661	Pu-239/240	0.0006 U	0.0054	0.0013	0.0404	0.00 - 0.50
5B-00325	20661	Pu-244	0 U	0.002	0.0006	0.0313	0.00 - 0.50
5B-00325	20661	Sb-125	0.0838 SK	0.03	0.0071	0.354	0.00 - 0.50
5B-00325	20661	Sn-126	0.0014 U	0.0088	0.0026	0.0237	0.00 - 0.50
5B-00325	20661	Sr-90	-0.002 U	0.04	0.012	0.485	0.00 - 0.50
5B-00325	20661	Tc-99	-0.016 U	0.27	0.083	1.63	0.00 - 0.50
5B-00325	20661	Te-125m	0.0194 SK	0.0069	0.0016	0.0838	0.00 - 0.50
5B-00325	20661	Th-228	0.797	0.038	0.052	3.98	0.00 - 0.50
5B-00325	20661	Th-229	0.0063	0.0098	0.0034	0.145	0.00 - 0.50
5B-00325	20661	Th-230	0.814	0.018	0.052	2.2	0.00 - 0.50
5B-00325	20661	Th-232	0.879	0.005	0.055	3.1	0.00 - 0.50
5B-00325	20661	Th-234	1.01 R	0.12	0.064	3.19	0.00 - 0.50
5B-00325	20661	Tl-208	0.306	0.012	0.013	0.937	0.00 - 0.50
5B-00325	20661	Tm-171	2.2 U	4.7	1.4	72.4	0.00 - 0.50
5B-00325	20661	U-233/234	0.633	0.009	0.034	2.02	0.00 - 0.50
5B-00325	20661	U-235/236	0.0331	0.0024	0.0056	0.151	0.00 - 0.50
5B-00325	20661	U-238	0.661	0.008	0.035	1.8	0.00 - 0.50
5B-00325	20662	Ac-227	0.038 U	0.11	0.013	0.217	1.00 - 5.00
5B-00325	20662	Ac-228	1.07	0.06	0.038	2.4	1.00 - 5.00
5B-00325	20662	Am-241	0.0007 U	0.0051	0.0013	0.0454	1.00 - 5.00
5B-00325	20662	Bi-212	0.864	0.11	0.072	2.15	1.00 - 5.00
5B-00325	20662	Bi-214	0.693	0.019	0.027	1.59	1.00 - 5.00
5B-00325	20662	Cd-113m	4.6 U	32	9.5	3030	1.00 - 5.00
5B-00325	20662	Cm-243/244	0 U	0.0018	0.0008	0.0443	1.00 - 5.00
5B-00325	20662	Cm-245/246	0.0007 U J	0.0054	0.0013	0.0401	1.00 - 5.00
5B-00325	20662	Cm-247/248	-0.001 U	0.0067	0.0011	0.0306	1.00 - 5.00
5B-00325	20662	Co-60	0.0011 U	0.015	0.0043	0.028	1.00 - 5.00
5B-00325	20662	Cs-134	0.0141 U	0.038	0.0035	0.0864	1.00 - 5.00
5B-00325	20662	Cs-137	-0.004 U	0.012	0.0037	0.207	1.00 - 5.00
5B-00325	20662	Eu-152	0.0069 U	0.023	0.0069	0.0566	1.00 - 5.00
5B-00325	20662	Eu-154	0.016 U	0.079	0.012	0.15	1.00 - 5.00
5B-00325	20662	Eu-155	0.071 SK	0.029	0.012	0.231	1.00 - 5.00
5B-00325	20662	Ho-166m	0.0058 U	0.018	0.0065	0.0432	1.00 - 5.00
5B-00325	20662	K-40	21.1	0.12	0.7	32.4	1.00 - 5.00
5B-00325	20662	Na-22	0.0094 K R	0.016	0.0049	0.037	1.00 - 5.00
5B-00325	20662	Nb-94	0.004 U	0.01	0.0032	0.0214	1.00 - 5.00
5B-00325	20662	Np-236	-0.006 U	0.025	0.0075	0.047	1.00 - 5.00
5B-00325	20662	Np-239	-0.007 U	0.072	0.022	0.139	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00325	20662	Pa-231	-0.05 U	0.46	0.14	0.936	1.00 - 5.00
5B-00325	20662	Pb-212	1.38 J	0.019	0.073	2.69	1.00 - 5.00
5B-00325	20662	Pb-214	0.798	0.02	0.031	1.7	1.00 - 5.00
5B-00325	20662	Pu-236	0.0008 U	0.0021	0.0008	7.79	1.00 - 5.00
5B-00325	20662	Pu-238	0.0018	0.0045	0.0014	0.0415	1.00 - 5.00
5B-00325	20662	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	1.00 - 5.00
5B-00325	20662	Pu-244	0.0033	0.0045	0.0018	0.0313	1.00 - 5.00
5B-00325	20662	Sb-125	0.129 SK	0.031	0.0095	0.354	1.00 - 5.00
5B-00325	20662	Sn-126	-0.003 U	0.012	0.0037	0.0237	1.00 - 5.00
5B-00325	20662	Sr-90	-0.001 U	0.034	0.0099	0.485	1.00 - 5.00
5B-00325	20662	Te-125m	0.0298 SK	0.0073	0.0022	0.0838	1.00 - 5.00
5B-00325	20662	Th-228	1.21	0.012	0.058	3.98	1.00 - 5.00
5B-00325	20662	Th-229	0.0039 U	0.014	0.0041	0.145	1.00 - 5.00
5B-00325	20662	Th-230	0.934	0.005	0.047	2.2	1.00 - 5.00
5B-00325	20662	Th-232	1.16	0.002	0.056	3.1	1.00 - 5.00
5B-00325	20662	Th-234	1.3 R	0.12	0.077	3.19	1.00 - 5.00
5B-00325	20662	Tl-208	0.407	0.014	0.016	0.937	1.00 - 5.00
5B-00325	20662	Tm-171	-2.4 U	4.9	1.5	72.4	1.00 - 5.00
5B-00324	20664	Ac-227	0.09	0.1	0.039	0.217	0.00 - 0.50
5B-00324	20664	Ac-228	0.773	0.078	0.03	2.4	0.00 - 0.50
5B-00324	20664	Am-241	0.0027	0.0018	0.0014	0.0454	0.00 - 0.50
5B-00324	20664	Bi-212	0.75	0.12	0.064	2.15	0.00 - 0.50
5B-00324	20664	Bi-214	0.848	0.026	0.031	1.59	0.00 - 0.50
5B-00324	20664	C-14	0.0206	0.029	0.0092	2.96	0.00 - 0.50
5B-00324	20664	Cd-113m	2 U	38	11	3030	0.00 - 0.50
5B-00324	20664	Cm-243/244	0.002	0.0048	0.0015	0.0443	0.00 - 0.50
5B-00324	20664	Cm-245/246	0.0016 U	0.0022	0.0011	0.0401	0.00 - 0.50
5B-00324	20664	Cm-247/248	0.0024	0.0021	0.0014	0.0306	0.00 - 0.50
5B-00324	20664	Co-60	0.0067 U	0.017	0.0051	0.028	0.00 - 0.50
5B-00324	20664	Cs-134	0.0064 U	0.028	0.0043	0.0864	0.00 - 0.50
5B-00324	20664	Cs-137	0.0093	0.017	0.0068	0.207	0.00 - 0.50
5B-00324	20664	Eu-152	-0.012 U	0.031	0.0092	0.0566	0.00 - 0.50
5B-00324	20664	Eu-154	0.022 U	0.097	0.02	0.15	0.00 - 0.50
5B-00324	20664	Eu-155	0.045 SK	0.029	0.011	0.231	0.00 - 0.50
5B-00324	20664	H-3	0.043 U	0.22	0.067	11.9	0.00 - 0.50
5B-00324	20664	Ho-166m	0.0065 U	0.023	0.0038	0.0432	0.00 - 0.50
5B-00324	20664	K-40	19.7	0.14	0.6	32.4	0.00 - 0.50
5B-00324	20664	Na-22	-0.004 U	0.025	0.0074	0.037	0.00 - 0.50
5B-00324	20664	Nb-94	0.0051 U	0.013	0.0039	0.0214	0.00 - 0.50
5B-00324	20664	Ni-59	0 U	0.23	0.058	5.96	0.00 - 0.50
5B-00324	20664	Ni-63	-0.27 U	0.65	0.19	4.92	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00324	20664	Np-236	-0.007 U	0.027	0.008	0.047	0.00 - 0.50
5B-00324	20664	Np-239	-0.003 U	0.079	0.024	0.139	0.00 - 0.50
5B-00324	20664	Pa-231	0.108 U	0.41	0.099	0.936	0.00 - 0.50
5B-00324	20664	Pb-212	0.986	0.024	0.041	2.69	0.00 - 0.50
5B-00324	20664	Pb-214	0.906	0.02	0.03	1.7	0.00 - 0.50
5B-00324	20664	Pu-236	0 U	0.002	0.0006	7.79	0.00 - 0.50
5B-00324	20664	Pu-238	0.002	0.0053	0.0016	0.0415	0.00 - 0.50
5B-00324	20664	Pu-239/240	0.0022	0.002	0.0013	0.0404	0.00 - 0.50
5B-00324	20664	Pu-244	0.0007 U	0.002	0.0007	0.0313	0.00 - 0.50
5B-00324	20664	Sb-125	0.0788 SK	0.042	0.0078	0.354	0.00 - 0.50
5B-00324	20664	Sn-126	-0.004 U	0.015	0.0045	0.0237	0.00 - 0.50
5B-00324	20664	Sr-90	-0.009 U	0.034	0.0095	0.485	0.00 - 0.50
5B-00324	20664	Tc-99	-0.073 U	0.26	0.079	1.63	0.00 - 0.50
5B-00324	20664	Te-125m	0.0182 SK	0.0096	0.0018	0.0838	0.00 - 0.50
5B-00324	20664	Th-228	0.928	0.017	0.049	3.98	0.00 - 0.50
5B-00324	20664	Th-229	0.0037 U	0.01	0.0031	0.145	0.00 - 0.50
5B-00324	20664	Th-230	1.07	0.009	0.055	2.2	0.00 - 0.50
5B-00324	20664	Th-232	0.902	0.007	0.048	3.1	0.00 - 0.50
5B-00324	20664	Th-234	1.15 R	0.13	0.066	3.19	0.00 - 0.50
5B-00324	20664	Tl-208	0.324	0.016	0.013	0.937	0.00 - 0.50
5B-00324	20664	Tm-171	-1.2 U	5.4	1.6	72.4	0.00 - 0.50
5B-00324	20664	U-233/234	0.682	0.007	0.036	2.02	0.00 - 0.50
5B-00324	20664	U-235/236	0.0293	0.0022	0.005	0.151	0.00 - 0.50
5B-00324	20664	U-238	0.732	0.005	0.038	1.8	0.00 - 0.50
5B-00324	20665	Ac-227	0.065	0.091	0.028	0.217	1.00 - 5.00
5B-00324	20665	Ac-228	1.14	0.051	0.039	2.4	1.00 - 5.00
5B-00324	20665	Am-241	0.0017	0.0042	0.0013	0.0454	1.00 - 5.00
5B-00324	20665	Bi-212	0.919	0.091	0.059	2.15	1.00 - 5.00
5B-00324	20665	Bi-214	0.796	0.017	0.029	1.59	1.00 - 5.00
5B-00324	20665	C-14	0.02 U	0.05	0.015	2.96	1.00 - 5.00
5B-00324	20665	Cd-113m	-0.7 U	30	9.1	3030	1.00 - 5.00
5B-00324	20665	Cm-243/244	-0.001 U	0.0052	0.0009	0.0443	1.00 - 5.00
5B-00324	20665	Cm-245/246	0.001 U	0.0027	0.001	0.0401	1.00 - 5.00
5B-00324	20665	Cm-247/248	0 U	0.0027	0.0011	0.0306	1.00 - 5.00
5B-00324	20665	Co-60	0.0022 U	0.013	0.0029	0.028	1.00 - 5.00
5B-00324	20665	Cs-134	-9E-04 U	0.035	0.0027	0.0864	1.00 - 5.00
5B-00324	20665	Cs-137	0.0052	0.0075	0.0023	0.207	1.00 - 5.00
5B-00324	20665	Eu-152	0.0136	0.027	0.0088	0.0566	1.00 - 5.00
5B-00324	20665	Eu-154	0.0011 U	0.06	0.0067	0.15	1.00 - 5.00
5B-00324	20665	Eu-155	0.0165 SK	0.025	0.0078	0.231	1.00 - 5.00
5B-00324	20665	H-3	0.063 U	0.18	0.055	11.9	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00324	20665	Ho-166m	0.0105 JSK	0.017	0.0052	0.0432	1.00 - 5.00
5B-00324	20665	K-40	21.5	0.09	0.71	32.4	1.00 - 5.00
5B-00324	20665	Na-22	0.0002 U	0.013	0.0039	0.037	1.00 - 5.00
5B-00324	20665	Nb-94	0.0078 SK	0.0075	0.0033	0.0214	1.00 - 5.00
5B-00324	20665	Ni-59	0 U	0.26	0.081	5.96	1.00 - 5.00
5B-00324	20665	Ni-63	0.01 U	0.48	0.14	4.92	1.00 - 5.00
5B-00324	20665	Np-236	-2E-04 U	0.024	0.0072	0.047	1.00 - 5.00
5B-00324	20665	Np-239	0.01 U	0.067	0.02	0.139	1.00 - 5.00
5B-00324	20665	Pa-231	-0.03 U	0.43	0.13	0.936	1.00 - 5.00
5B-00324	20665	Pb-212	1.43	0.017	0.075	2.69	1.00 - 5.00
5B-00324	20665	Pb-214	0.926	0.018	0.034	1.7	1.00 - 5.00
5B-00324	20665	Pu-236	0 U	0.0017	0.0006	7.79	1.00 - 5.00
5B-00324	20665	Pu-238	0.0015	0.0038	0.0012	0.0415	1.00 - 5.00
5B-00324	20665	Pu-239/240	0.0006 U	0.0017	0.0006	0.0404	1.00 - 5.00
5B-00324	20665	Pu-244	0.0019	0.0017	0.0011	0.0313	1.00 - 5.00
5B-00324	20665	Sb-125	0.104 SK	0.02	0.0072	0.354	1.00 - 5.00
5B-00324	20665	Sn-126	0.0024 U	0.011	0.0033	0.0237	1.00 - 5.00
5B-00324	20665	Sr-90	0.0007 U	0.035	0.01	0.485	1.00 - 5.00
5B-00324	20665	Tc-99	-0.01 U	0.37	0.11	1.63	1.00 - 5.00
5B-00324	20665	Te-125m	0.0241 SK	0.0046	0.0017	0.0838	1.00 - 5.00
5B-00324	20665	Th-228	1.21	0.016	0.061	3.98	1.00 - 5.00
5B-00324	20665	Th-229	0.007	0.0095	0.0034	0.145	1.00 - 5.00
5B-00324	20665	Th-230	0.799	0.007	0.043	2.2	1.00 - 5.00
5B-00324	20665	Th-232	1.09	0.002	0.056	3.1	1.00 - 5.00
5B-00324	20665	Th-234	1.23	0.11	0.071	3.19	1.00 - 5.00
5B-00324	20665	Tl-208	0.435	0.012	0.017	0.937	1.00 - 5.00
5B-00324	20665	Tm-171	-3.6 JU J	3.8	1.2	72.4	1.00 - 5.00
5B-00324	20665	U-233/234	0.68	0.004	0.035	2.02	1.00 - 5.00
5B-00324	20665	U-235/236	0.0377	0.0052	0.0055	0.151	1.00 - 5.00
5B-00324	20665	U-238	0.697	0.005	0.035	1.8	1.00 - 5.00
5B-00318	20667	Ac-227	0.063	0.085	0.016	0.217	0.00 - 0.50
5B-00318	20667	Ac-228	0.967	0.056	0.035	2.4	0.00 - 0.50
5B-00318	20667	Am-241	0.0022 U	0.0097	0.0028	0.0454	0.00 - 0.50
5B-00318	20667	Bi-212	0.796	0.084	0.052	2.15	0.00 - 0.50
5B-00318	20667	Bi-214	0.7	0.018	0.027	1.59	0.00 - 0.50
5B-00318	20667	C-14	0.0156	0.028	0.0086	2.96	0.00 - 0.50
5B-00318	20667	Cd-113m	-0.1 U	29	8.7	3030	0.00 - 0.50
5B-00318	20667	Cm-243/244	0 U	0.0095	0.0024	0.0443	0.00 - 0.50
5B-00318	20667	Cm-245/246	0.0029	0.0071	0.0022	0.0401	0.00 - 0.50
5B-00318	20667	Cm-247/248	-0.002 U	0.0088	0.0015	0.0306	0.00 - 0.50
5B-00318	20667	Co-60	0.0016 U	0.013	0.0013	0.028	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00318	20667	Cs-134	-0.001 U	0.031	0.0092	0.0864	0.00 - 0.50
5B-00318	20667	Cs-137	0.0001 U	0.011	0.0032	0.207	0.00 - 0.50
5B-00318	20667	Eu-152	0.0126 U	0.026	0.0092	0.0566	0.00 - 0.50
5B-00318	20667	Eu-154	0.0053 U	0.07	0.0046	0.15	0.00 - 0.50
5B-00318	20667	Eu-155	0.067 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00318	20667	H-3	-0.028 U	0.18	0.053	11.9	0.00 - 0.50
5B-00318	20667	Ho-166m	0.0053 U L,R	0.018	0.0029	0.0432	0.00 - 0.50
5B-00318	20667	K-40	20.1	0.12	0.67	32.4	0.00 - 0.50
5B-00318	20667	Na-22	0.0037 U	0.015	0.0046	0.037	0.00 - 0.50
5B-00318	20667	Nb-94	0.0021 U	0.0078	0.0018	0.0214	0.00 - 0.50
5B-00318	20667	Ni-59	0 U	0.5	0.14	5.96	0.00 - 0.50
5B-00318	20667	Ni-63	0.2 U	0.65	0.2	4.92	0.00 - 0.50
5B-00318	20667	Np-236	-0.01 U	0.024	0.0073	0.047	0.00 - 0.50
5B-00318	20667	Np-239	0.015 U	0.067	0.02	0.139	0.00 - 0.50
5B-00318	20667	Pa-231	0.018 U	0.4	0.014	0.936	0.00 - 0.50
5B-00318	20667	Pb-212	1.27	0.018	0.067	2.69	0.00 - 0.50
5B-00318	20667	Pb-214	0.761	0.02	0.029	1.7	0.00 - 0.50
5B-00318	20667	Pu-236	-5E-04 U	0.0049	0.0006	7.79	0.00 - 0.50
5B-00318	20667	Pu-238	0.0023	0.006	0.0018	0.0415	0.00 - 0.50
5B-00318	20667	Pu-239/240	0.002	0.0049	0.0015	0.0404	0.00 - 0.50
5B-00318	20667	Pu-244	0.0025	0.0022	0.0014	0.0313	0.00 - 0.50
5B-00318	20667	Sb-125	0.0838 JSK	0.03	0.0063	0.354	0.00 - 0.50
5B-00318	20667	Sn-126	0.0007 U	0.011	0.0032	0.0237	0.00 - 0.50
5B-00318	20667	Sr-90	-0.009 U	0.054	0.015	0.485	0.00 - 0.50
5B-00318	20667	Tc-99	0.01 U	0.31	0.094	1.63	0.00 - 0.50
5B-00318	20667	Te-125m	0.0194 JSK	0.0069	0.0015	0.0838	0.00 - 0.50
5B-00318	20667	Th-228	1.02	0.016	0.052	3.98	0.00 - 0.50
5B-00318	20667	Th-229	0.0075	0.013	0.0045	0.145	0.00 - 0.50
5B-00318	20667	Th-230	0.799	0.002	0.043	2.2	0.00 - 0.50
5B-00318	20667	Th-232	0.994	0.01	0.051	3.1	0.00 - 0.50
5B-00318	20667	Th-234	1.07 R	0.12	0.066	3.19	0.00 - 0.50
5B-00318	20667	Tl-208	0.373	0.011	0.014	0.937	0.00 - 0.50
5B-00318	20667	Tm-171	-0.6 U	4.8	1.4	72.4	0.00 - 0.50
5B-00318	20667	U-233/234	0.745	0.01	0.041	2.02	0.00 - 0.50
5B-00318	20667	U-235/236	0.0396	0.0088	0.0073	0.151	0.00 - 0.50
5B-00318	20667	U-238	0.727	0.003	0.04	1.8	0.00 - 0.50
5B-00318	20668	Ac-227	0.077	0.073	0.015	0.217	1.00 - 3.50
5B-00318	20668	Ac-228	1.07	0.057	0.037	2.4	1.00 - 3.50
5B-00318	20668	Am-241	0.0036	0.0067	0.0023	0.0454	1.00 - 3.50
5B-00318	20668	Bi-212	0.836	0.078	0.05	2.15	1.00 - 3.50
5B-00318	20668	Bi-214	0.79	0.02	0.03	1.59	1.00 - 3.50

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00318	20668	C-14	0.02	0.035	0.011	2.96	1.00 - 3.50
5B-00318	20668	Cd-113m	7.5 U	30	9	3030	1.00 - 3.50
5B-00318	20668	Cm-243/244	0.0009 U	0.0024	0.0009	0.0443	1.00 - 3.50
5B-00318	20668	Cm-245/246	0 U	0.0026	0.0011	0.0401	1.00 - 3.50
5B-00318	20668	Cm-247/248	0.001 U	0.0026	0.001	0.0306	1.00 - 3.50
5B-00318	20668	Co-60	-0.003 U	0.013	0.0039	0.028	1.00 - 3.50
5B-00318	20668	Cs-134	0.0052 U	0.037	0.0041	0.0864	1.00 - 3.50
5B-00318	20668	Cs-137	-0.001 U	0.011	0.0033	0.207	1.00 - 3.50
5B-00318	20668	Eu-152	-0.004 U	0.028	0.0084	0.0566	1.00 - 3.50
5B-00318	20668	Eu-154	-0.004 U	0.052	0.016	0.15	1.00 - 3.50
5B-00318	20668	Eu-155	0.0607 SK	0.025	0.0099	0.231	1.00 - 3.50
5B-00318	20668	H-3	0.141	0.18	0.056	11.9	1.00 - 3.50
5B-00318	20668	Ho-166m	0.0014 U J	0.017	0.0016	0.0432	1.00 - 3.50
5B-00318	20668	K-40	20.8	0.12	0.69	32.4	1.00 - 3.50
5B-00318	20668	Na-22	-0.007 U	0.017	0.0052	0.037	1.00 - 3.50
5B-00318	20668	Nb-94	0.0025 U	0.0097	0.0029	0.0214	1.00 - 3.50
5B-00318	20668	Ni-59	0 U	0.26	0.085	5.96	1.00 - 3.50
5B-00318	20668	Ni-63	-0.04 U	0.47	0.14	4.92	1.00 - 3.50
5B-00318	20668	Np-236	0.0027 U	0.024	0.0072	0.047	1.00 - 3.50
5B-00318	20668	Np-239	-0.007 U	0.064	0.019	0.139	1.00 - 3.50
5B-00318	20668	Pa-231	0.01 U	0.39	0.12	0.936	1.00 - 3.50
5B-00318	20668	Pb-212	1.32	0.017	0.069	2.69	1.00 - 3.50
5B-00318	20668	Pb-214	0.886	0.019	0.033	1.7	1.00 - 3.50
5B-00318	20668	Pu-236	-0.002 U	0.0072	0.0013	7.79	1.00 - 3.50
5B-00318	20668	Pu-238	0.0024	0.0047	0.0016	0.0415	1.00 - 3.50
5B-00318	20668	Pu-239/240	0.0032	0.0017	0.0014	0.0404	1.00 - 3.50
5B-00318	20668	Pu-244	0.0026	0.0017	0.0013	0.0313	1.00 - 3.50
5B-00318	20668	Sb-125	0.118 SK	0.029	0.0087	0.354	1.00 - 3.50
5B-00318	20668	Sn-126	-4E-04 U	0.011	0.0032	0.0237	1.00 - 3.50
5B-00318	20668	Sr-90	0.005 U	0.035	0.01	0.485	1.00 - 3.50
5B-00318	20668	Tc-99	0.001 U	0.31	0.093	1.63	1.00 - 3.50
5B-00318	20668	Te-125m	0.0273 SK	0.0068	0.002	0.0838	1.00 - 3.50
5B-00318	20668	Th-228	1.21	0.018	0.061	3.98	1.00 - 3.50
5B-00318	20668	Th-229	0.0101	0.0078	0.0034	0.145	1.00 - 3.50
5B-00318	20668	Th-230	0.902	0.012	0.048	2.2	1.00 - 3.50
5B-00318	20668	Th-232	1.12	0.009	0.057	3.1	1.00 - 3.50
5B-00318	20668	Th-234	1.21	0.12	0.072	3.19	1.00 - 3.50
5B-00318	20668	Tl-208	0.4	0.013	0.016	0.937	1.00 - 3.50
5B-00318	20668	Tm-171	-2.6 U J	4.2	1.3	72.4	1.00 - 3.50
5B-00318	20668	U-233/234	0.677	0.007	0.036	2.02	1.00 - 3.50
5B-00318	20668	U-235/236	0.0346	0.0069	0.006	0.151	1.00 - 3.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00318	20668	U-238	0.64	0.007	0.035	1.8	1.00 - 3.50
5B-00317	20670	Ac-227	0.015 U	0.11	0.025	0.217	0.00 - 0.50
5B-00317	20670	Ac-228	0.997	0.056	0.036	2.4	0.00 - 0.50
5B-00317	20670	Am-241	0.0011 U	0.0029	0.0011	0.0454	0.00 - 0.50
5B-00317	20670	Bi-212	0.782	0.11	0.07	2.15	0.00 - 0.50
5B-00317	20670	Bi-214	0.705	0.018	0.027	1.59	0.00 - 0.50
5B-00317	20670	C-14	0.021	0.033	0.01	2.96	0.00 - 0.50
5B-00317	20670	Cd-113m	12.9 U	28	8.4	3030	0.00 - 0.50
5B-00317	20670	Cm-243/244	0 U	0.0028	0.0012	0.0443	0.00 - 0.50
5B-00317	20670	Cm-245/246	-0.001 U	0.0088	0.0018	0.0401	0.00 - 0.50
5B-00317	20670	Cm-247/248	0 U	0.0025	0.001	0.0306	0.00 - 0.50
5B-00317	20670	Co-60	-3E-04 U	0.013	0.0038	0.028	0.00 - 0.50
5B-00317	20670	Cs-134	0.0025 U	0.032	0.0033	0.0864	0.00 - 0.50
5B-00317	20670	Cs-137	0.0065	0.0077	0.0031	0.207	0.00 - 0.50
5B-00317	20670	Eu-152	0.0075 U	0.029	0.0058	0.0566	0.00 - 0.50
5B-00317	20670	Eu-154	-0.016 U	0.071	0.021	0.15	0.00 - 0.50
5B-00317	20670	Eu-155	0.053 SK	0.029	0.012	0.231	0.00 - 0.50
5B-00317	20670	H-3	-0.007 U	0.18	0.053	11.9	0.00 - 0.50
5B-00317	20670	Ho-166m	0.0064 U L,R	0.018	0.0061	0.0432	0.00 - 0.50
5B-00317	20670	K-40	21.3	0.14	0.7	32.4	0.00 - 0.50
5B-00317	20670	Na-22	0.0003 U	0.018	0.0052	0.037	0.00 - 0.50
5B-00317	20670	Nb-94	0.0046 U	0.0098	0.003	0.0214	0.00 - 0.50
5B-00317	20670	Ni-59	0 U	0.58	0.16	5.96	0.00 - 0.50
5B-00317	20670	Ni-63	0.03 U	0.65	0.19	4.92	0.00 - 0.50
5B-00317	20670	Np-236	-0.006 U	0.025	0.0074	0.047	0.00 - 0.50
5B-00317	20670	Np-239	0.0007 U	0.069	0.021	0.139	0.00 - 0.50
5B-00317	20670	Pa-231	0.087 U	0.44	0.094	0.936	0.00 - 0.50
5B-00317	20670	Pb-212	1.21	0.024	0.064	2.69	0.00 - 0.50
5B-00317	20670	Pb-214	0.784	0.018	0.03	1.7	0.00 - 0.50
5B-00317	20670	Pu-236	-0.002 U	0.0095	0.0017	7.79	0.00 - 0.50
5B-00317	20670	Pu-238	0.0034	0.0065	0.0022	0.0415	0.00 - 0.50
5B-00317	20670	Pu-239/240	0.0009 U	0.0024	0.0009	0.0404	0.00 - 0.50
5B-00317	20670	Pu-244	0.0009 U	0.0024	0.0009	0.0313	0.00 - 0.50
5B-00317	20670	Sb-125	0.0889 JSK	0.029	0.0067	0.354	0.00 - 0.50
5B-00317	20670	Sn-126	0.0016 U	0.0098	0.0029	0.0237	0.00 - 0.50
5B-00317	20670	Sr-90	0.009 U	0.051	0.015	0.485	0.00 - 0.50
5B-00317	20670	Tc-99	-0.02 U	0.33	0.1	1.63	0.00 - 0.50
5B-00317	20670	Te-125m	0.0205 JSK	0.0068	0.0016	0.0838	0.00 - 0.50
5B-00317	20670	Th-228	1.14	0.017	0.06	3.98	0.00 - 0.50
5B-00317	20670	Th-229	0.0071	0.0094	0.0034	0.145	0.00 - 0.50
5B-00317	20670	Th-230	0.843	0.007	0.047	2.2	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00317	20670	Th-232	1.15	0.01	0.06	3.1	0.00 - 0.50
5B-00317	20670	Th-234	0.236 R	0.13	0.039	3.19	0.00 - 0.50
5B-00317	20670	Tl-208	0.39	0.014	0.016	0.937	0.00 - 0.50
5B-00317	20670	Tm-171	-0.04 U	4.9	1.5	72.4	0.00 - 0.50
5B-00317	20670	U-233/234	0.673	0.01	0.038	2.02	0.00 - 0.50
5B-00317	20670	U-235/236	0.0286	0.011	0.0064	0.151	0.00 - 0.50
5B-00317	20670	U-238	0.667	0.009	0.038	1.8	0.00 - 0.50
5B-00317	20671	Ac-227	0.068	0.099	0.018	0.217	1.00 - 3.83
5B-00317	20671	Ac-228	1.07	0.061	0.037	2.4	1.00 - 3.83
5B-00317	20671	Am-241	0.0008 U	0.0057	0.0014	0.0454	1.00 - 3.83
5B-00317	20671	Bi-212	0.925	0.1	0.068	2.15	1.00 - 3.83
5B-00317	20671	Bi-214	0.694	0.021	0.027	1.59	1.00 - 3.83
5B-00317	20671	C-14	0.0213	0.027	0.0087	2.96	1.00 - 3.83
5B-00317	20671	Cd-113m	-9.4 U	31	9.4	3030	1.00 - 3.83
5B-00317	20671	Cm-243/244	0.0008 U	0.002	0.0008	0.0443	1.00 - 3.83
5B-00317	20671	Cm-245/246	0.0043	0.0023	0.0019	0.0401	1.00 - 3.83
5B-00317	20671	Cm-247/248	0.0008 U	0.0062	0.0015	0.0306	1.00 - 3.83
5B-00317	20671	Co-60	0.0032 U	0.013	0.0031	0.028	1.00 - 3.83
5B-00317	20671	Cs-134	0.0114 U	0.038	0.0029	0.0864	1.00 - 3.83
5B-00317	20671	Cs-137	-0.005 U	0.012	0.0037	0.207	1.00 - 3.83
5B-00317	20671	Eu-152	-0.011 U	0.029	0.0088	0.0566	1.00 - 3.83
5B-00317	20671	Eu-154	0.007 U	0.076	0.013	0.15	1.00 - 3.83
5B-00317	20671	Eu-155	0.062 SK	0.03	0.013	0.231	1.00 - 3.83
5B-00317	20671	H-3	0.1 U	0.22	0.068	11.9	1.00 - 3.83
5B-00317	20671	Ho-166m	0.0111 SK	0.019	0.007	0.0432	1.00 - 3.83
5B-00317	20671	K-40	21.6	0.13	0.72	32.4	1.00 - 3.83
5B-00317	20671	Na-22	0.0014 U	0.019	0.0056	0.037	1.00 - 3.83
5B-00317	20671	Nb-94	0.0038 U	0.01	0.0031	0.0214	1.00 - 3.83
5B-00317	20671	Ni-59	0 U	0.18	0.046	5.96	1.00 - 3.83
5B-00317	20671	Ni-63	0.008 U	0.56	0.17	4.92	1.00 - 3.83
5B-00317	20671	Np-236	0.0021 U	0.019	0.0057	0.047	1.00 - 3.83
5B-00317	20671	Np-239	0.001 U	0.067	0.02	0.139	1.00 - 3.83
5B-00317	20671	Pa-231	0.06 U	0.47	0.14	0.936	1.00 - 3.83
5B-00317	20671	Pb-212	1.37	0.019	0.072	2.69	1.00 - 3.83
5B-00317	20671	Pb-214	0.799	0.019	0.03	1.7	1.00 - 3.83
5B-00317	20671	Pu-236	-4E-04 U	0.0042	0.0005	7.79	1.00 - 3.83
5B-00317	20671	Pu-238	0.0021	0.0019	0.0012	0.0415	1.00 - 3.83
5B-00317	20671	Pu-239/240	0.0013 U	0.0051	0.0014	0.0404	1.00 - 3.83
5B-00317	20671	Pu-244	0 U	0.0019	0.0006	0.0313	1.00 - 3.83
5B-00317	20671	Sb-125	0.0858 SK	0.033	0.0068	0.354	1.00 - 3.83
5B-00317	20671	Sn-126	0.0032 U	0.012	0.0035	0.0237	1.00 - 3.83

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00317	20671	Sr-90	0.023	0.036	0.011	0.485	1.00 - 3.83
5B-00317	20671	Tc-99	-0.035 U	0.28	0.084	1.63	1.00 - 3.83
5B-00317	20671	Te-125m	0.0198 SK	0.0076	0.0016	0.0838	1.00 - 3.83
5B-00317	20671	Th-228	1.1	0.019	0.057	3.98	1.00 - 3.83
5B-00317	20671	Th-229	0.0102	0.01	0.0039	0.145	1.00 - 3.83
5B-00317	20671	Th-230	0.813	0.01	0.045	2.2	1.00 - 3.83
5B-00317	20671	Th-232	0.998	0.008	0.053	3.1	1.00 - 3.83
5B-00317	20671	Th-234	1.31 R	0.13	0.077	3.19	1.00 - 3.83
5B-00317	20671	Tl-208	0.41	0.015	0.017	0.937	1.00 - 3.83
5B-00317	20671	Tm-171	-4.7 U J	4.1	1.3	72.4	1.00 - 3.83
5B-00317	20671	U-233/234	0.7	0.007	0.039	2.02	1.00 - 3.83
5B-00317	20671	U-235/236	0.0365	0.0087	0.0069	0.151	1.00 - 3.83
5B-00317	20671	U-238	0.691	0.009	0.039	1.8	1.00 - 3.83
5B-00315	20673	Ac-227	0.056 U	0.14	0.042	0.217	0.00 - 0.50
5B-00315	20673	Ac-228	1.02	0.077	0.046	2.4	0.00 - 0.50
5B-00315	20673	Am-241	0.0014 U	0.0075	0.0021	0.0454	0.00 - 0.50
5B-00315	20673	Bi-212	0.82	0.11	0.063	2.15	0.00 - 0.50
5B-00315	20673	Bi-214	0.858	0.024	0.03	1.59	0.00 - 0.50
5B-00315	20673	C-14	0.0225	0.028	0.0086	2.96	0.00 - 0.50
5B-00315	20673	Cd-113m	-10 U	40	12	3030	0.00 - 0.50
5B-00315	20673	Cm-243/244	-0.002 U	0.009	0.002	0.0443	0.00 - 0.50
5B-00315	20673	Cm-245/246	-0.002 U	0.01	0.0023	0.0401	0.00 - 0.50
5B-00315	20673	Cm-247/248	0.0023	0.0057	0.0018	0.0306	0.00 - 0.50
5B-00315	20673	Co-60	0.0046 U	0.017	0.0052	0.028	0.00 - 0.50
5B-00315	20673	Cs-134	0.0178 U J	0.049	0.0057	0.0864	0.00 - 0.50
5B-00315	20673	Cs-137	0 U J	0.016	0.0047	0.207	0.00 - 0.50
5B-00315	20673	Eu-152	-1E-04 U	0.037	0.011	0.0566	0.00 - 0.50
5B-00315	20673	Eu-154	-0.013 U	0.1	0.031	0.15	0.00 - 0.50
5B-00315	20673	Eu-155	0.085 SK	0.031	0.013	0.231	0.00 - 0.50
5B-00315	20673	H-3	0.058	0.042	0.016	11.9	0.00 - 0.50
5B-00315	20673	Ho-166m	0.0033 U	0.021	0.0055	0.0432	0.00 - 0.50
5B-00315	20673	K-40	20.9	0.13	0.63	32.4	0.00 - 0.50
5B-00315	20673	Na-22	0.0003 U	0.024	0.0072	0.037	0.00 - 0.50
5B-00315	20673	Nb-94	0.0021 U	0.013	0.0031	0.0214	0.00 - 0.50
5B-00315	20673	Ni-59	0 U	0.32	0.087	5.96	0.00 - 0.50
5B-00315	20673	Ni-63	-0.62 R U	0.63	0.19	4.92	0.00 - 0.50
5B-00315	20673	Np-236	0 U	0.03	0.0089	0.047	0.00 - 0.50
5B-00315	20673	Np-239	-0.018 U	0.083	0.025	0.139	0.00 - 0.50
5B-00315	20673	Pa-231	-0.13 U	0.57	0.17	0.936	0.00 - 0.50
5B-00315	20673	Pb-212	1.29	0.025	0.053	2.69	0.00 - 0.50
5B-00315	20673	Pb-214	0.949	0.026	0.032	1.7	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00315	20673	Pu-236	0.0007 U	0.002	0.0007	7.79	0.00 - 0.50
5B-00315	20673	Pu-238	0.0022	0.002	0.0013	0.0415	0.00 - 0.50
5B-00315	20673	Pu-239/240	-4E-04 U	0.0044	0.0005	0.0404	0.00 - 0.50
5B-00315	20673	Pu-244	0.0007 U	0.002	0.0007	0.0313	0.00 - 0.50
5B-00315	20673	Sb-125	0.135 JSK	0.038	0.011	0.354	0.00 - 0.50
5B-00315	20673	Sn-126	0.0017 U	0.015	0.0044	0.0237	0.00 - 0.50
5B-00315	20673	Sr-90	0.023 U	0.045	0.014	0.485	0.00 - 0.50
5B-00315	20673	Tc-99	-0.01 U	0.27	0.081	1.63	0.00 - 0.50
5B-00315	20673	Te-125m	0.0312 JSK	0.0088	0.0026	0.0838	0.00 - 0.50
5B-00315	20673	Th-228	1.12	0.021	0.059	3.98	0.00 - 0.50
5B-00315	20673	Th-229	0.0077	0.008	0.0032	0.145	0.00 - 0.50
5B-00315	20673	Th-230	0.911	0.008	0.05	2.2	0.00 - 0.50
5B-00315	20673	Th-232	1.09	0.003	0.057	3.1	0.00 - 0.50
5B-00315	20673	Th-234	1.31 R	0.14	0.077	3.19	0.00 - 0.50
5B-00315	20673	Tl-208	0.412	0.017	0.016	0.937	0.00 - 0.50
5B-00315	20673	Tm-171	-0.5 U	5.2	1.6	72.4	0.00 - 0.50
5B-00315	20673	U-233/234	0.749	0.008	0.042	2.02	0.00 - 0.50
5B-00315	20673	U-235/236	0.0438	0.0095	0.0079	0.151	0.00 - 0.50
5B-00315	20673	U-238	0.702	0.014	0.04	1.8	0.00 - 0.50
5B-00315	20674	Ac-227	0.036 U	0.11	0.011	0.217	1.00 - 4.00
5B-00315	20674	Ac-228	1.23	0.06	0.043	2.4	1.00 - 4.00
5B-00315	20674	Am-241	0.0023 U	0.0082	0.0024	0.0454	1.00 - 4.00
5B-00315	20674	Bi-212	0.951	0.099	0.064	2.15	1.00 - 4.00
5B-00315	20674	Bi-214	0.731	0.019	0.028	1.59	1.00 - 4.00
5B-00315	20674	C-14	-0.001 U	0.042	0.012	2.96	1.00 - 4.00
5B-00315	20674	Cd-113m	6.7 U	31	9.5	3030	1.00 - 4.00
5B-00315	20674	Cm-243/244	-0.002 U	0.0098	0.0023	0.0443	1.00 - 4.00
5B-00315	20674	Cm-245/246	0.0031	0.0028	0.0018	0.0401	1.00 - 4.00
5B-00315	20674	Cm-247/248	0.002 U	0.0028	0.0014	0.0306	1.00 - 4.00
5B-00315	20674	Co-60	-0.003 U	0.015	0.0044	0.028	1.00 - 4.00
5B-00315	20674	Cs-134	0.0108 U	0.038	0.0035	0.0864	1.00 - 4.00
5B-00315	20674	Cs-137	-6E-04 U	0.01	0.003	0.207	1.00 - 4.00
5B-00315	20674	Eu-152	-0.002 U	0.03	0.0014	0.0566	1.00 - 4.00
5B-00315	20674	Eu-154	-0.018 U	0.077	0.023	0.15	1.00 - 4.00
5B-00315	20674	Eu-155	0.089 SK	0.029	0.013	0.231	1.00 - 4.00
5B-00315	20674	H-3	0.06 U	0.23	0.069	11.9	1.00 - 4.00
5B-00315	20674	Ho-166m	0.0083 SK	0.016	0.0063	0.0432	1.00 - 4.00
5B-00315	20674	K-40	21.2	0.12	0.7	32.4	1.00 - 4.00
5B-00315	20674	Na-22	0.0082	0.014	0.0042	0.037	1.00 - 4.00
5B-00315	20674	Nb-94	0.0124 SK	0.0077	0.0034	0.0214	1.00 - 4.00
5B-00315	20674	Ni-59	0 U	0.21	0.053	5.96	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00315	20674	Ni-63	-0.15 U	0.62	0.18	4.92	1.00 - 4.00
5B-00315	20674	Np-236	-1E-04 U	0.025	0.0076	0.047	1.00 - 4.00
5B-00315	20674	Np-239	0.008 U	0.058	0.017	0.139	1.00 - 4.00
5B-00315	20674	Pa-231	-0.015 U	0.48	0.03	0.936	1.00 - 4.00
5B-00315	20674	Pb-212	1.53	0.018	0.08	2.69	1.00 - 4.00
5B-00315	20674	Pb-214	0.821	0.021	0.031	1.7	1.00 - 4.00
5B-00315	20674	Pu-236	0.0007 U	0.002	0.0007	7.79	1.00 - 4.00
5B-00315	20674	Pu-238	0.0018	0.0044	0.0014	0.0415	1.00 - 4.00
5B-00315	20674	Pu-239/240	0 U	0.002	0.0006	0.0404	1.00 - 4.00
5B-00315	20674	Pu-244	0.001 U	0.0044	0.0012	0.0313	1.00 - 4.00
5B-00315	20674	Sb-125	0.107 SK	0.032	0.0076	0.354	1.00 - 4.00
5B-00315	20674	Sn-126	-0.003 U	0.01	0.003	0.0237	1.00 - 4.00
5B-00315	20674	Sr-90	-6E-04 U	0.03	0.0086	0.485	1.00 - 4.00
5B-00315	20674	Tc-99	-0.039 U	0.25	0.076	1.63	1.00 - 4.00
5B-00315	20674	Te-125m	0.0248 SK	0.0074	0.0017	0.0838	1.00 - 4.00
5B-00315	20674	Th-228	1.26	0.013	0.063	3.98	1.00 - 4.00
5B-00315	20674	Th-229	0.0041	0.011	0.0033	0.145	1.00 - 4.00
5B-00315	20674	Th-230	0.825	0.009	0.045	2.2	1.00 - 4.00
5B-00315	20674	Th-232	1.14	0.009	0.058	3.1	1.00 - 4.00
5B-00315	20674	Th-234	1.41 R	0.12	0.078	3.19	1.00 - 4.00
5B-00315	20674	Tl-208	0.437	0.015	0.018	0.937	1.00 - 4.00
5B-00315	20674	Tm-171	-3.2 U J	4.9	1.5	72.4	1.00 - 4.00
5B-00315	20674	U-233/234	0.704	0.006	0.038	2.02	1.00 - 4.00
5B-00315	20674	U-235/236	0.0332	0.0079	0.0063	0.151	1.00 - 4.00
5B-00315	20674	U-238	0.725	0.002	0.039	1.8	1.00 - 4.00
5B-00327	20676	Ac-227	0.021 U	0.11	0.027	0.217	0.00 - 0.50
5B-00327	20676	Ac-228	1.21	0.094	0.048	2.4	0.00 - 0.50
5B-00327	20676	Am-241	0.0029 U	0.009	0.0027	0.0454	0.00 - 0.50
5B-00327	20676	Bi-212	1.03	0.12	0.07	2.15	0.00 - 0.50
5B-00327	20676	Bi-214	0.711	0.028	0.028	1.59	0.00 - 0.50
5B-00327	20676	C-14	0.0133	0.022	0.0067	2.96	0.00 - 0.50
5B-00327	20676	Cd-113m	2 U	38	11	3030	0.00 - 0.50
5B-00327	20676	Cm-243/244	-0.001 U	0.011	0.0027	0.0443	0.00 - 0.50
5B-00327	20676	Cm-245/246	0.0013 U	0.0057	0.0015	0.0401	0.00 - 0.50
5B-00327	20676	Cm-247/248	0.001 U	0.0026	0.001	0.0306	0.00 - 0.50
5B-00327	20676	Co-60	-0.003 U	0.017	0.0051	0.028	0.00 - 0.50
5B-00327	20676	Cs-134	0.0185 U J	0.044	0.0075	0.0864	0.00 - 0.50
5B-00327	20676	Cs-137	-1E-04 U J	0.016	0.0047	0.207	0.00 - 0.50
5B-00327	20676	Eu-152	-0.002 U	0.035	0.01	0.0566	0.00 - 0.50
5B-00327	20676	Eu-154	0.018 U	0.083	0.013	0.15	0.00 - 0.50
5B-00327	20676	Eu-155	0.069 SK	0.034	0.014	0.231	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00327	20676	H-3	0.156	0.042	0.023	11.9	0.00 - 0.50
5B-00327	20676	Ho-166m	0.0086 U	0.024	0.0094	0.0432	0.00 - 0.50
5B-00327	20676	K-40	21.4	0.15	0.64	32.4	0.00 - 0.50
5B-00327	20676	Na-22	-0.003 U	0.023	0.0069	0.037	0.00 - 0.50
5B-00327	20676	Nb-94	0.0035 U	0.013	0.0025	0.0214	0.00 - 0.50
5B-00327	20676	Ni-59	0 U	0.4	0.086	5.96	0.00 - 0.50
5B-00327	20676	Ni-63	0.25 U	0.66	0.2	4.92	0.00 - 0.50
5B-00327	20676	Np-236	0.0068 U	0.029	0.0088	0.047	0.00 - 0.50
5B-00327	20676	Np-239	-0.004 U	0.079	0.024	0.139	0.00 - 0.50
5B-00327	20676	Pa-231	0.01 U	0.54	0.16	0.936	0.00 - 0.50
5B-00327	20676	Pb-212	1.38	0.023	0.042	2.69	0.00 - 0.50
5B-00327	20676	Pb-214	0.76	0.025	0.033	1.7	0.00 - 0.50
5B-00327	20676	Pu-236	0 U	0.0023	0.0007	7.79	0.00 - 0.50
5B-00327	20676	Pu-238	0.0017	0.0023	0.0012	0.0415	0.00 - 0.50
5B-00327	20676	Pu-239/240	0.0042	0.0023	0.0019	0.0404	0.00 - 0.50
5B-00327	20676	Pu-244	0.0017	0.0023	0.0012	0.0313	0.00 - 0.50
5B-00327	20676	Sb-125	0.101 JSK	0.04	0.0083	0.354	0.00 - 0.50
5B-00327	20676	Sn-126	-3E-04 U	0.016	0.0046	0.0237	0.00 - 0.50
5B-00327	20676	Sr-90	-0.012 U	0.046	0.013	0.485	0.00 - 0.50
5B-00327	20676	Tc-99	-0.031 U	0.3	0.092	1.63	0.00 - 0.50
5B-00327	20676	Te-125m	0.0234 JSK	0.0092	0.0019	0.0838	0.00 - 0.50
5B-00327	20676	Th-228	1.2	0.042	0.075	3.98	0.00 - 0.50
5B-00327	20676	Th-229	0.0033	0.0089	0.0027	0.145	0.00 - 0.50
5B-00327	20676	Th-230	0.549	0.024	0.044	2.2	0.00 - 0.50
5B-00327	20676	Th-232	1.04	0.019	0.068	3.1	0.00 - 0.50
5B-00327	20676	Th-234	0.319 R	0.15	0.049	3.19	0.00 - 0.50
5B-00327	20676	Tl-208	0.468	0.018	0.018	0.937	0.00 - 0.50
5B-00327	20676	Tm-171	-5.3 U J	4.9	1.5	72.4	0.00 - 0.50
5B-00327	20676	U-233/234	0.53	0.012	0.033	2.02	0.00 - 0.50
5B-00327	20676	U-235/236	0.0244	0.013	0.0064	0.151	0.00 - 0.50
5B-00327	20676	U-238	0.509	0.01	0.032	1.8	0.00 - 0.50
5B-00327	20677	Ac-227	0.049 U	0.1	0.033	0.217	1.00 - 5.00
5B-00327	20677	Ac-228	1.12	0.054	0.04	2.4	1.00 - 5.00
5B-00327	20677	Am-241	0.0011 U	0.008	0.002	0.0454	1.00 - 5.00
5B-00327	20677	Bi-212	0.874	0.088	0.056	2.15	1.00 - 5.00
5B-00327	20677	Bi-214	0.759	0.018	0.028	1.59	1.00 - 5.00
5B-00327	20677	Cd-113m	-1.1 U	29	8.6	3030	1.00 - 5.00
5B-00327	20677	Cm-243/244	0 U	0.0078	0.0016	0.0443	1.00 - 5.00
5B-00327	20677	Cm-245/246	0.0023 J K	0.0053	0.0017	0.0401	1.00 - 5.00
5B-00327	20677	Cm-247/248	0.0011 U	0.0015	0.0008	0.0306	1.00 - 5.00
5B-00327	20677	Co-60	0.0014 U	0.012	0.0018	0.028	1.00 - 5.00

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00327	20677	Cs-134	0.0126 U	0.03	0.0033	0.0864	1.00 - 5.00
5B-00327	20677	Cs-137	0.0001 U	0.011	0.0034	0.207	1.00 - 5.00
5B-00327	20677	Eu-152	0.0002 U	0.027	0.0007	0.0566	1.00 - 5.00
5B-00327	20677	Eu-154	0.047	0.051	0.02	0.15	1.00 - 5.00
5B-00327	20677	Eu-155	0.063 SK	0.025	0.01	0.231	1.00 - 5.00
5B-00327	20677	Ho-166m	0.0168 SK	0.017	0.0053	0.0432	1.00 - 5.00
5B-00327	20677	K-40	20.4	0.13	0.68	32.4	1.00 - 5.00
5B-00327	20677	Na-22	0.0031 U	0.016	0.0048	0.037	1.00 - 5.00
5B-00327	20677	Nb-94	0.0038 U	0.0092	0.0028	0.0214	1.00 - 5.00
5B-00327	20677	Np-236	-0.008 U	0.024	0.0073	0.047	1.00 - 5.00
5B-00327	20677	Np-239	0.01 U	0.066	0.02	0.139	1.00 - 5.00
5B-00327	20677	Pa-231	0.072 U	0.43	0.059	0.936	1.00 - 5.00
5B-00327	20677	Pb-212	1.37 J	0.018	0.072	2.69	1.00 - 5.00
5B-00327	20677	Pb-214	0.847	0.018	0.032	1.7	1.00 - 5.00
5B-00327	20677	Pu-236	-5E-04 U	0.0049	0.0006	7.79	1.00 - 5.00
5B-00327	20677	Pu-238	0.0016 U	0.0022	0.0012	0.0415	1.00 - 5.00
5B-00327	20677	Pu-239/240	-0.001 U	0.006	0.0008	0.0404	1.00 - 5.00
5B-00327	20677	Pu-244	0.0025	0.0022	0.0014	0.0313	1.00 - 5.00
5B-00327	20677	Sb-125	0.134 SK	0.028	0.0092	0.354	1.00 - 5.00
5B-00327	20677	Sn-126	-0.002 U	0.011	0.0032	0.0237	1.00 - 5.00
5B-00327	20677	Sr-90	0.0016 U	0.034	0.01	0.485	1.00 - 5.00
5B-00327	20677	Te-125m	0.0309 SK	0.0066	0.0021	0.0838	1.00 - 5.00
5B-00327	20677	Th-228	1.2	0.015	0.059	3.98	1.00 - 5.00
5B-00327	20677	Th-229	0.0065	0.0075	0.0029	0.145	1.00 - 5.00
5B-00327	20677	Th-230	0.809	0.006	0.042	2.2	1.00 - 5.00
5B-00327	20677	Th-232	1.15	0.004	0.057	3.1	1.00 - 5.00
5B-00327	20677	Th-234	1.25 R	0.12	0.072	3.19	1.00 - 5.00
5B-00327	20677	Tl-208	0.423	0.013	0.017	0.937	1.00 - 5.00
5B-00327	20677	Tm-171	-0.002 U	4.7	1.4	72.4	1.00 - 5.00
5B-00321	20679	Ac-227	0.018 U	0.13	0.043	0.217	0.00 - 0.50
5B-00321	20679	Ac-228	0.956	0.096	0.039	2.4	0.00 - 0.50
5B-00321	20679	Am-241	0.0021	0.0051	0.0016	0.0454	0.00 - 0.50
5B-00321	20679	Bi-212	0.852	0.11	0.061	2.15	0.00 - 0.50
5B-00321	20679	Bi-214	0.814	0.024	0.029	1.59	0.00 - 0.50
5B-00321	20679	C-14	0.0219	0.023	0.0071	2.96	0.00 - 0.50
5B-00321	20679	Cd-113m	6 U	37	11	3030	0.00 - 0.50
5B-00321	20679	Cm-243/244	-0.001 U	0.0096	0.0023	0.0443	0.00 - 0.50
5B-00321	20679	Cm-245/246	0 U	0.008	0.0016	0.0401	0.00 - 0.50
5B-00321	20679	Cm-247/248	0 U	0.0079	0.0016	0.0306	0.00 - 0.50
5B-00321	20679	Co-60	-0.002 U	0.017	0.0052	0.028	0.00 - 0.50
5B-00321	20679	Cs-134	0.0134 U J	0.049	0.005	0.0864	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00321	20679	Cs-137	0.0004 U J	0.015	0.0046	0.207	0.00 - 0.50
5B-00321	20679	Eu-152	0.014 U	0.034	0.013	0.0566	0.00 - 0.50
5B-00321	20679	Eu-154	0.014 U	0.1	0.01	0.15	0.00 - 0.50
5B-00321	20679	Eu-155	0.074 SK	0.033	0.014	0.231	0.00 - 0.50
5B-00321	20679	H-3	0.07	0.042	0.017	11.9	0.00 - 0.50
5B-00321	20679	Ho-166m	0.0042 U	0.024	0.0039	0.0432	0.00 - 0.50
5B-00321	20679	K-40	22	0.16	0.66	32.4	0.00 - 0.50
5B-00321	20679	Na-22	-8E-04 U	0.023	0.0068	0.037	0.00 - 0.50
5B-00321	20679	Nb-94	0.0058 U	0.013	0.0039	0.0214	0.00 - 0.50
5B-00321	20679	Ni-59	0 U	0.43	0.092	5.96	0.00 - 0.50
5B-00321	20679	Ni-63	0.14 U	0.64	0.19	4.92	0.00 - 0.50
5B-00321	20679	Np-236	-0.005 U	0.029	0.0086	0.047	0.00 - 0.50
5B-00321	20679	Np-239	-0.005 U	0.079	0.024	0.139	0.00 - 0.50
5B-00321	20679	Pa-231	0.12 U	0.53	0.16	0.936	0.00 - 0.50
5B-00321	20679	Pb-212	1.1	0.024	0.035	2.69	0.00 - 0.50
5B-00321	20679	Pb-214	0.899	0.024	0.038	1.7	0.00 - 0.50
5B-00321	20679	Pu-236	-5E-04 U	0.0044	0.0005	7.79	0.00 - 0.50
5B-00321	20679	Pu-238	0.004	0.0044	0.0019	0.0415	0.00 - 0.50
5B-00321	20679	Pu-239/240	0.0006 U	0.0054	0.0013	0.0404	0.00 - 0.50
5B-00321	20679	Pu-244	0.0022	0.002	0.0013	0.0313	0.00 - 0.50
5B-00321	20679	Sb-125	0.107 JSK	0.04	0.01	0.354	0.00 - 0.50
5B-00321	20679	Sn-126	0.0061 U	0.015	0.0045	0.0237	0.00 - 0.50
5B-00321	20679	Sr-90	0.053	0.045	0.015	0.485	0.00 - 0.50
5B-00321	20679	Tc-99	-0.03 U	0.34	0.1	1.63	0.00 - 0.50
5B-00321	20679	Te-125m	0.0247 JSK	0.0092	0.0024	0.0838	0.00 - 0.50
5B-00321	20679	Th-228	0.969	0.02	0.053	3.98	0.00 - 0.50
5B-00321	20679	Th-229	0.0017 U	0.0023	0.0012	0.145	0.00 - 0.50
5B-00321	20679	Th-230	0.828	0.011	0.046	2.2	0.00 - 0.50
5B-00321	20679	Th-232	0.925	0.011	0.051	3.1	0.00 - 0.50
5B-00321	20679	Th-234	1.24 R	0.15	0.074	3.19	0.00 - 0.50
5B-00321	20679	Tl-208	0.381	0.017	0.015	0.937	0.00 - 0.50
5B-00321	20679	Tm-171	-0.07 U	6	1.8	72.4	0.00 - 0.50
5B-00321	20679	U-233/234	0.666	0.007	0.035	2.02	0.00 - 0.50
5B-00321	20679	U-235/236	0.0284	0.0022	0.0049	0.151	0.00 - 0.50
5B-00321	20679	U-238	0.69	0.002	0.036	1.8	0.00 - 0.50
5B-00321	20680	Ac-227	0.0003 U	0.15	0.045	0.217	1.00 - 4.00
5B-00321	20680	Ac-228	1.25	0.078	0.045	2.4	1.00 - 4.00
5B-00321	20680	Am-241	0.0009 U	0.0065	0.0032	0.0454	1.00 - 4.00
5B-00321	20680	Bi-212	1.06	0.12	0.074	2.15	1.00 - 4.00
5B-00321	20680	Bi-214	0.989	0.026	0.035	1.59	1.00 - 4.00
5B-00321	20680	C-14	0.013 U	0.034	0.01	2.96	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00321	20680	Cd-113m	18 U	42	13	3030	1.00 - 4.00
5B-00321	20680	Cm-243/244	0.0017 U	0.0081	0.0044	0.0443	1.00 - 4.00
5B-00321	20680	Cm-245/246	0.0018 U	0.0067	0.0019	0.0401	1.00 - 4.00
5B-00321	20680	Cm-247/248	0.0018 U	0.0024	0.0013	0.0306	1.00 - 4.00
5B-00321	20680	Co-60	0.0039 U	0.017	0.0042	0.028	1.00 - 4.00
5B-00321	20680	Cs-134	0.0138 SK	0.0092	0.0046	0.0864	1.00 - 4.00
5B-00321	20680	Cs-137	-1E-04 U	0.014	0.0041	0.207	1.00 - 4.00
5B-00321	20680	Eu-152	-0.017 U	0.039	0.012	0.0566	1.00 - 4.00
5B-00321	20680	Eu-154	0.01 U	0.094	0.023	0.15	1.00 - 4.00
5B-00321	20680	Eu-155	0.109 SK	0.049	0.022	0.231	1.00 - 4.00
5B-00321	20680	H-3	0.221	0.19	0.058	11.9	1.00 - 4.00
5B-00321	20680	Ho-166m	0.0085 U	0.025	0.0089	0.0432	1.00 - 4.00
5B-00321	20680	K-40	22.2	0.12	0.66	32.4	1.00 - 4.00
5B-00321	20680	Na-22	0.0075 U	0.02	0.006	0.037	1.00 - 4.00
5B-00321	20680	Nb-94	0.0065 U	0.014	0.0042	0.0214	1.00 - 4.00
5B-00321	20680	Ni-59	0 U	0.15	0.039	5.96	1.00 - 4.00
5B-00321	20680	Ni-63	-0.11 U	0.54	0.17	4.92	1.00 - 4.00
5B-00321	20680	Np-236	-0.001 U	0.031	0.0094	0.047	1.00 - 4.00
5B-00321	20680	Np-239	-0.004 U	0.084	0.025	0.139	1.00 - 4.00
5B-00321	20680	Pa-231	0.025 U	0.64	0.088	0.936	1.00 - 4.00
5B-00321	20680	Pb-212	1.35	0.032	0.043	2.69	1.00 - 4.00
5B-00321	20680	Pb-214	1.09	0.027	0.047	1.7	1.00 - 4.00
5B-00321	20680	Pu-236	0.0054	0.011	0.0034	7.79	1.00 - 4.00
5B-00321	20680	Pu-238	0.0018 U	0.0073	0.002	0.0415	1.00 - 4.00
5B-00321	20680	Pu-239/240	0.003	0.0027	0.0017	0.0404	1.00 - 4.00
5B-00321	20680	Pu-244	0 U	0.0027	0.0009	0.0313	1.00 - 4.00
5B-00321	20680	Sb-125	0.159 SK	0.042	0.012	0.354	1.00 - 4.00
5B-00321	20680	Sn-126	-0.003 U	0.015	0.0047	0.0237	1.00 - 4.00
5B-00321	20680	Sr-90	0.017 U	0.046	0.014	0.485	1.00 - 4.00
5B-00321	20680	Tc-99	-0.07 U	0.33	0.1	1.63	1.00 - 4.00
5B-00321	20680	Te-125m	0.0368 SK	0.0097	0.0028	0.0838	1.00 - 4.00
5B-00321	20680	Th-228	1.2	0.035	0.068	3.98	1.00 - 4.00
5B-00321	20680	Th-229	0.0017 U	0.018	0.0047	0.145	1.00 - 4.00
5B-00321	20680	Th-230	1.2	0.018	0.068	2.2	1.00 - 4.00
5B-00321	20680	Th-232	1.18	0.012	0.067	3.1	1.00 - 4.00
5B-00321	20680	Th-234	1.46 R	0.21	0.081	3.19	1.00 - 4.00
5B-00321	20680	Tl-208	0.477	0.016	0.018	0.937	1.00 - 4.00
5B-00321	20680	Tm-171	-14 R U J	9.2	2.9	72.4	1.00 - 4.00
5B-00321	20680	U-233/234	0.886	0.008	0.049	2.02	1.00 - 4.00
5B-00321	20680	U-235/236	0.0309	0.01	0.007	0.151	1.00 - 4.00
5B-00321	20680	U-238	0.796	0.003	0.045	1.8	1.00 - 4.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00313	20681	Ac-227	0.038 U	0.11	0.041	0.217	3.00 - 5.00
5B-00313	20681	Ac-228	0.972	0.056	0.035	2.4	3.00 - 5.00
5B-00313	20681	Am-241	0.0022 U	0.0071	0.0021	0.0454	3.00 - 5.00
5B-00313	20681	Bi-212	0.752	0.094	0.057	2.15	3.00 - 5.00
5B-00313	20681	Bi-214	0.774	0.021	0.03	1.59	3.00 - 5.00
5B-00313	20681	C-14	0.0081 U	0.031	0.0093	2.96	3.00 - 5.00
5B-00313	20681	Cd-113m	-9.9 U	28	8.6	3030	3.00 - 5.00
5B-00313	20681	Cm-243/244	-0.001 U	0.0069	0.0016	0.0443	3.00 - 5.00
5B-00313	20681	Cm-245/246	0.0018 U	0.0024	0.0012	0.0401	3.00 - 5.00
5B-00313	20681	Cm-247/248	0.0009 U	0.0063	0.0016	0.0306	3.00 - 5.00
5B-00313	20681	Co-60	-2E-04 U	0.012	0.0036	0.028	3.00 - 5.00
5B-00313	20681	Cs-134	0.0118 U	0.032	0.0026	0.0864	3.00 - 5.00
5B-00313	20681	Cs-137	0.0127	0.0082	0.0026	0.207	3.00 - 5.00
5B-00313	20681	Eu-152	0.0178	0.028	0.0097	0.0566	3.00 - 5.00
5B-00313	20681	Eu-154	0.008 U	0.059	0.012	0.15	3.00 - 5.00
5B-00313	20681	Eu-155	0.063 SK	0.029	0.013	0.231	3.00 - 5.00
5B-00313	20681	H-3	0.045 U	0.18	0.056	11.9	3.00 - 5.00
5B-00313	20681	Ho-166m	0.0062 U J	0.013	0.0061	0.0432	3.00 - 5.00
5B-00313	20681	K-40	21	0.14	0.7	32.4	3.00 - 5.00
5B-00313	20681	Na-22	-6E-04 U	0.017	0.0051	0.037	3.00 - 5.00
5B-00313	20681	Nb-94	0.0037 U	0.0098	0.003	0.0214	3.00 - 5.00
5B-00313	20681	Ni-59	0.065 U	0.27	0.093	5.96	3.00 - 5.00
5B-00313	20681	Ni-63	-0.04 U	0.51	0.15	4.92	3.00 - 5.00
5B-00313	20681	Np-236	-0.004 U	0.025	0.0075	0.047	3.00 - 5.00
5B-00313	20681	Np-239	0.016 U	0.069	0.021	0.139	3.00 - 5.00
5B-00313	20681	Pa-231	0.08 U	0.44	0.13	0.936	3.00 - 5.00
5B-00313	20681	Pb-212	1.24	0.019	0.066	2.69	3.00 - 5.00
5B-00313	20681	Pb-214	0.87	0.02	0.033	1.7	3.00 - 5.00
5B-00313	20681	Pu-236	0.0006 U	0.0017	0.0006	7.79	3.00 - 5.00
5B-00313	20681	Pu-238	0.0026	0.0017	0.0013	0.0415	3.00 - 5.00
5B-00313	20681	Pu-239/240	0.0032	0.0017	0.0014	0.0404	3.00 - 5.00
5B-00313	20681	Pu-244	0.0019	0.0017	0.0011	0.0313	3.00 - 5.00
5B-00313	20681	Sb-125	0.108 SK	0.021	0.0083	0.354	3.00 - 5.00
5B-00313	20681	Sn-126	0.0016 U	0.011	0.0033	0.0237	3.00 - 5.00
5B-00313	20681	Sr-90	-0.003 U	0.031	0.0089	0.485	3.00 - 5.00
5B-00313	20681	Tc-99	-0.018 U	0.29	0.087	1.63	3.00 - 5.00
5B-00313	20681	Te-125m	0.025 SK	0.0048	0.0019	0.0838	3.00 - 5.00
5B-00313	20681	Th-228	1.05	0.013	0.054	3.98	3.00 - 5.00
5B-00313	20681	Th-229	0.0117	0.0089	0.0038	0.145	3.00 - 5.00
5B-00313	20681	Th-230	0.843	0.007	0.045	2.2	3.00 - 5.00
5B-00313	20681	Th-232	0.999	0.002	0.052	3.1	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00313	20681	Th-234	1.17	0.12	0.07	3.19	3.00 - 5.00
5B-00313	20681	Tl-208	0.372	0.012	0.015	0.937	3.00 - 5.00
5B-00313	20681	Tm-171	-2.2 U J	4.7	1.4	72.4	3.00 - 5.00
5B-00313	20681	U-233/234	0.646	0.006	0.034	2.02	3.00 - 5.00
5B-00313	20681	U-235/236	0.0325	0.008	0.0054	0.151	3.00 - 5.00
5B-00313	20681	U-238	0.718	0.002	0.037	1.8	3.00 - 5.00
5B-00314	20683	Ac-227	0.03 U	0.11	0.032	0.217	0.00 - 0.50
5B-00314	20683	Ac-228	0.966	0.059	0.034	2.4	0.00 - 0.50
5B-00314	20683	Am-241	0.0011 U	0.0083	0.002	0.0454	0.00 - 0.50
5B-00314	20683	Bi-212	0.771	0.087	0.052	2.15	0.00 - 0.50
5B-00314	20683	Bi-214	0.716	0.021	0.028	1.59	0.00 - 0.50
5B-00314	20683	C-14	0.021	0.035	0.011	2.96	0.00 - 0.50
5B-00314	20683	Cd-113m	2.8 U	31	9.3	3030	0.00 - 0.50
5B-00314	20683	Cm-243/244	-0.002 U	0.01	0.0018	0.0443	0.00 - 0.50
5B-00314	20683	Cm-245/246	-0.001 U	0.0084	0.0013	0.0401	0.00 - 0.50
5B-00314	20683	Cm-247/248	-0.002 U	0.01	0.0018	0.0306	0.00 - 0.50
5B-00314	20683	Co-60	0.0036 U	0.011	0.0033	0.028	0.00 - 0.50
5B-00314	20683	Cs-134	0.0111 U	0.039	0.0032	0.0864	0.00 - 0.50
5B-00314	20683	Cs-137	0.0008 U	0.012	0.0036	0.207	0.00 - 0.50
5B-00314	20683	Eu-152	-0.009 U	0.028	0.0085	0.0566	0.00 - 0.50
5B-00314	20683	Eu-154	-0.019 U	0.077	0.023	0.15	0.00 - 0.50
5B-00314	20683	Eu-155	0.055 SK	0.027	0.011	0.231	0.00 - 0.50
5B-00314	20683	H-3	0.025 U	0.18	0.053	11.9	0.00 - 0.50
5B-00314	20683	Ho-166m	0.0068 U L,R	0.015	0.0048	0.0432	0.00 - 0.50
5B-00314	20683	K-40	21.2	0.13	0.7	32.4	0.00 - 0.50
5B-00314	20683	Na-22	-0.002 U	0.018	0.0055	0.037	0.00 - 0.50
5B-00314	20683	Nb-94	0.0105 SK	0.0078	0.0036	0.0214	0.00 - 0.50
5B-00314	20683	Ni-59	0 U	0.64	0.16	5.96	0.00 - 0.50
5B-00314	20683	Ni-63	0.23 U	0.67	0.2	4.92	0.00 - 0.50
5B-00314	20683	Np-236	-0.005 U	0.022	0.0067	0.047	0.00 - 0.50
5B-00314	20683	Np-239	0.015 U	0.068	0.021	0.139	0.00 - 0.50
5B-00314	20683	Pa-231	0.003 U	0.45	0.13	0.936	0.00 - 0.50
5B-00314	20683	Pb-212	1.19	0.021	0.063	2.69	0.00 - 0.50
5B-00314	20683	Pb-214	0.802	0.018	0.03	1.7	0.00 - 0.50
5B-00314	20683	Pu-236	0.0005 U	0.0082	0.002	7.79	0.00 - 0.50
5B-00314	20683	Pu-238	-2E-04 U	0.0065	0.0012	0.0415	0.00 - 0.50
5B-00314	20683	Pu-239/240	-2E-04 U	0.0065	0.0012	0.0404	0.00 - 0.50
5B-00314	20683	Pu-244	0.0045	0.0024	0.002	0.0313	0.00 - 0.50
5B-00314	20683	Sb-125	0.0869 JSK	0.03	0.0069	0.354	0.00 - 0.50
5B-00314	20683	Sn-126	0.0002 U	0.009	0.0027	0.0237	0.00 - 0.50
5B-00314	20683	Sr-90	0.012 U	0.047	0.014	0.485	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00314	20683	Tc-99	-0.011 U	0.29	0.087	1.63	0.00 - 0.50
5B-00314	20683	Te-125m	0.0201 JSK	0.007	0.0016	0.0838	0.00 - 0.50
5B-00314	20683	Th-228	1.12	0.022	0.059	3.98	0.00 - 0.50
5B-00314	20683	Th-229	0.004	0.0093	0.0029	0.145	0.00 - 0.50
5B-00314	20683	Th-230	1.06	0.01	0.056	2.2	0.00 - 0.50
5B-00314	20683	Th-232	1.05	0.008	0.055	3.1	0.00 - 0.50
5B-00314	20683	Th-234	1.23 R	0.12	0.072	3.19	0.00 - 0.50
5B-00314	20683	Tl-208	0.379	0.014	0.016	0.937	0.00 - 0.50
5B-00314	20683	Tm-171	-4 U J	4.1	1.3	72.4	0.00 - 0.50
5B-00314	20683	U-233/234	0.823	0.012	0.047	2.02	0.00 - 0.50
5B-00314	20683	U-235/236	0.0342	0.0042	0.0074	0.151	0.00 - 0.50
5B-00314	20683	U-238	0.817	0.009	0.047	1.8	0.00 - 0.50
5B-00314	20684	Ac-227	0.014 U	0.097	0.02	0.217	3.00 - 5.00
5B-00314	20684	Ac-228	1.05	0.054	0.035	2.4	3.00 - 5.00
5B-00314	20684	Am-241	0.0012 U	0.0055	0.0015	0.0454	3.00 - 5.00
5B-00314	20684	Bi-212	0.833	0.098	0.061	2.15	3.00 - 5.00
5B-00314	20684	Bi-214	0.726	0.019	0.025	1.59	3.00 - 5.00
5B-00314	20684	C-14	0.0167	0.031	0.0095	2.96	3.00 - 5.00
5B-00314	20684	Cd-113m	0.2 U	29	8.7	3030	3.00 - 5.00
5B-00314	20684	Cm-243/244	-0.001 U	0.0077	0.0018	0.0443	3.00 - 5.00
5B-00314	20684	Cm-245/246	0 U	0.0071	0.0016	0.0401	3.00 - 5.00
5B-00314	20684	Cm-247/248	0.0015 U	0.002	0.0011	0.0306	3.00 - 5.00
5B-00314	20684	Co-60	0.0005 U	0.011	0.0017	0.028	3.00 - 5.00
5B-00314	20684	Cs-134	0.0099 U	0.031	0.0032	0.0864	3.00 - 5.00
5B-00314	20684	Cs-137	0.0009 U	0.011	0.0032	0.207	3.00 - 5.00
5B-00314	20684	Eu-152	0.013 U	0.028	0.0073	0.0566	3.00 - 5.00
5B-00314	20684	Eu-154	0.048	0.051	0.014	0.15	3.00 - 5.00
5B-00314	20684	Eu-155	0.087 SK	0.027	0.012	0.231	3.00 - 5.00
5B-00314	20684	H-3	0.026 U	0.18	0.055	11.9	3.00 - 5.00
5B-00314	20684	Ho-166m	-0.01 U J	0.017	0.0053	0.0432	3.00 - 5.00
5B-00314	20684	K-40	20.6	0.11	0.61	32.4	3.00 - 5.00
5B-00314	20684	Na-22	0.001 U	0.016	0.0049	0.037	3.00 - 5.00
5B-00314	20684	Nb-94	0.0009 U	0.0091	0.0009	0.0214	3.00 - 5.00
5B-00314	20684	Ni-59	0 U	0.28	0.091	5.96	3.00 - 5.00
5B-00314	20684	Ni-63	0.15 U	0.54	0.16	4.92	3.00 - 5.00
5B-00314	20684	Np-236	-0.002 U	0.023	0.0071	0.047	3.00 - 5.00
5B-00314	20684	Np-239	0.002 U	0.064	0.019	0.139	3.00 - 5.00
5B-00314	20684	Pa-231	-0.09 U	0.43	0.13	0.936	3.00 - 5.00
5B-00314	20684	Pb-212	1.35	0.017	0.054	2.69	3.00 - 5.00
5B-00314	20684	Pb-214	0.813	0.019	0.027	1.7	3.00 - 5.00
5B-00314	20684	Pu-236	0 U	0.0019	0.0006	7.79	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00314	20684	Pu-238	0.0021	0.0019	0.0012	0.0415	3.00 - 5.00
5B-00314	20684	Pu-239/240	0 U	0.0019	0.0006	0.0404	3.00 - 5.00
5B-00314	20684	Pu-244	0.0014	0.0019	0.001	0.0313	3.00 - 5.00
5B-00314	20684	Sb-125	0.0909 SK	0.028	0.0066	0.354	3.00 - 5.00
5B-00314	20684	Sn-126	0.0027 U	0.0093	0.0028	0.0237	3.00 - 5.00
5B-00314	20684	Sr-90	0.0016 U	0.027	0.0078	0.485	3.00 - 5.00
5B-00314	20684	Tc-99	-0.09 U	0.35	0.11	1.63	3.00 - 5.00
5B-00314	20684	Te-125m	0.021 SK	0.0065	0.0015	0.0838	3.00 - 5.00
5B-00314	20684	Th-228	1.03	0.017	0.052	3.98	3.00 - 5.00
5B-00314	20684	Th-229	-7E-04 U	0.0098	0.0024	0.145	3.00 - 5.00
5B-00314	20684	Th-230	0.72	0.008	0.039	2.2	3.00 - 5.00
5B-00314	20684	Th-232	0.999	0.006	0.051	3.1	3.00 - 5.00
5B-00314	20684	Th-234	0.275	0.12	0.038	3.19	3.00 - 5.00
5B-00314	20684	Tl-208	0.405	0.013	0.015	0.937	3.00 - 5.00
5B-00314	20684	Tm-171	-2.1 U J	4.3	1.3	72.4	3.00 - 5.00
5B-00314	20684	U-233/234	0.614	0.007	0.033	2.02	3.00 - 5.00
5B-00314	20684	U-235/236	0.0246	0.0065	0.0049	0.151	3.00 - 5.00
5B-00314	20684	U-238	0.613	0.005	0.033	1.8	3.00 - 5.00
5B-00334	20686	Ac-227	0.055	0.098	0.014	0.217	0.00 - 0.50
5B-00334	20686	Ac-228	1.1	0.048	0.034	2.4	0.00 - 0.50
5B-00334	20686	Am-241	0 U	0.0065	0.0016	0.0454	0.00 - 0.50
5B-00334	20686	Bi-212	0.884	0.094	0.06	2.15	0.00 - 0.50
5B-00334	20686	Bi-214	0.765	0.018	0.026	1.59	0.00 - 0.50
5B-00334	20686	C-14	0.017	0.036	0.011	2.96	0.00 - 0.50
5B-00334	20686	Cd-113m	3.1 U	30	8.9	3030	0.00 - 0.50
5B-00334	20686	Cm-243/244	0 U	0.0077	0.002	0.0443	0.00 - 0.50
5B-00334	20686	Cm-245/246	0.0036	0.0024	0.0018	0.0401	0.00 - 0.50
5B-00334	20686	Cm-247/248	-9E-04 U	0.0065	0.001	0.0306	0.00 - 0.50
5B-00334	20686	Co-60	0.0002 U	0.011	0.0016	0.028	0.00 - 0.50
5B-00334	20686	Cs-134	0.0036 U	0.031	0.0093	0.0864	0.00 - 0.50
5B-00334	20686	Cs-137	-0.007 L U	0.011	0.0033	0.207	0.00 - 0.50
5B-00334	20686	Eu-152	0.0116 U	0.026	0.0066	0.0566	0.00 - 0.50
5B-00334	20686	Eu-154	0.031 U	0.064	0.015	0.15	0.00 - 0.50
5B-00334	20686	Eu-155	0.075 SK	0.026	0.011	0.231	0.00 - 0.50
5B-00334	20686	H-3	0.065 U	0.18	0.054	11.9	0.00 - 0.50
5B-00334	20686	Ho-166m	0.0095 JSK	0.016	0.0055	0.0432	0.00 - 0.50
5B-00334	20686	K-40	20.7	0.1	0.61	32.4	0.00 - 0.50
5B-00334	20686	Na-22	0.0012 U	0.01	0.0032	0.037	0.00 - 0.50
5B-00334	20686	Nb-94	0.0023 U	0.0093	0.0017	0.0214	0.00 - 0.50
5B-00334	20686	Ni-59	0 U	0.24	0.082	5.96	0.00 - 0.50
5B-00334	20686	Ni-63	0.12 U	0.45	0.14	4.92	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00334	20686	Np-236	-0.005 U	0.023	0.0071	0.047	0.00 - 0.50
5B-00334	20686	Np-239	-0.007 U	0.064	0.019	0.139	0.00 - 0.50
5B-00334	20686	Pa-231	0.0009 U	0.38	0.11	0.936	0.00 - 0.50
5B-00334	20686	Pb-212	1.39	0.017	0.056	2.69	0.00 - 0.50
5B-00334	20686	Pb-214	0.858	0.019	0.028	1.7	0.00 - 0.50
5B-00334	20686	Pu-236	0.0007 U	0.0018	0.0007	7.79	0.00 - 0.50
5B-00334	20686	Pu-238	0.0013	0.0018	0.0009	0.0415	0.00 - 0.50
5B-00334	20686	Pu-239/240	0.0009 U	0.0039	0.001	0.0404	0.00 - 0.50
5B-00334	20686	Pu-244	0.0007 U	0.0018	0.0007	0.0313	0.00 - 0.50
5B-00334	20686	Sb-125	0.114 SK	0.026	0.0074	0.354	0.00 - 0.50
5B-00334	20686	Sn-126	0.0001 U	0.0079	0.0024	0.0237	0.00 - 0.50
5B-00334	20686	Sr-90	0.023	0.032	0.01	0.485	0.00 - 0.50
5B-00334	20686	Tc-99	-0.045 U	0.26	0.079	1.63	0.00 - 0.50
5B-00334	20686	Te-125m	0.0263 SK	0.0059	0.0017	0.0838	0.00 - 0.50
5B-00334	20686	Th-228	1.13	0.021	0.058	3.98	0.00 - 0.50
5B-00334	20686	Th-229	0.0083	0.007	0.003	0.145	0.00 - 0.50
5B-00334	20686	Th-230	0.987	0.007	0.052	2.2	0.00 - 0.50
5B-00334	20686	Th-232	1.18	0.007	0.06	3.1	0.00 - 0.50
5B-00334	20686	Th-234	0.467	0.12	0.04	3.19	0.00 - 0.50
5B-00334	20686	Tl-208	0.421	0.012	0.015	0.937	0.00 - 0.50
5B-00334	20686	Tm-171	-2.8 JU J	4.3	1.3	72.4	0.00 - 0.50
5B-00334	20686	U-233/234	0.675	0.006	0.034	2.02	0.00 - 0.50
5B-00334	20686	U-235/236	0.0319	0.0063	0.005	0.151	0.00 - 0.50
5B-00334	20686	U-238	0.647	0.005	0.033	1.8	0.00 - 0.50
5B-00326	20689	Ac-227	0.027 U	0.13	0.044	0.217	0.00 - 0.50
5B-00326	20689	Ac-228	1.04	0.086	0.038	2.4	0.00 - 0.50
5B-00326	20689	Am-241	0.0019 U	0.007	0.002	0.0454	0.00 - 0.50
5B-00326	20689	Bi-212	0.812	0.13	0.076	2.15	0.00 - 0.50
5B-00326	20689	Bi-214	0.778	0.025	0.028	1.59	0.00 - 0.50
5B-00326	20689	C-14	0.0309	0.031	0.0097	2.96	0.00 - 0.50
5B-00326	20689	Cd-113m	15 U	36	11	3030	0.00 - 0.50
5B-00326	20689	Cm-243/244	0.0037 U	0.011	0.0034	0.0443	0.00 - 0.50
5B-00326	20689	Cm-245/246	0.005	0.0027	0.0022	0.0401	0.00 - 0.50
5B-00326	20689	Cm-247/248	0.0049	0.0026	0.0022	0.0306	0.00 - 0.50
5B-00326	20689	Co-60	0.0051 U	0.018	0.0054	0.028	0.00 - 0.50
5B-00326	20689	Cs-134	-0.009 U	0.016	0.005	0.0864	0.00 - 0.50
5B-00326	20689	Cs-137	0.0066 U	0.015	0.0054	0.207	0.00 - 0.50
5B-00326	20689	Eu-152	-0.003 U	0.032	0.0095	0.0566	0.00 - 0.50
5B-00326	20689	Eu-154	0.0015 U	0.1	0.003	0.15	0.00 - 0.50
5B-00326	20689	Eu-155	0.065 SK	0.032	0.012	0.231	0.00 - 0.50
5B-00326	20689	H-3	0.025 U	0.18	0.055	11.9	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00326	20689	Ho-166m	0.0101 SK	0.019	0.0087	0.0432	0.00 - 0.50
5B-00326	20689	K-40	19.6	0.13	0.6	32.4	0.00 - 0.50
5B-00326	20689	Na-22	0.0029 U	0.019	0.0055	0.037	0.00 - 0.50
5B-00326	20689	Nb-94	0.0025 U	0.014	0.0041	0.0214	0.00 - 0.50
5B-00326	20689	Ni-59	0 U	0.89	0.21	5.96	0.00 - 0.50
5B-00326	20689	Ni-63	0.35 U	0.75	0.22	4.92	0.00 - 0.50
5B-00326	20689	Np-236	0.0013 U	0.025	0.0076	0.047	0.00 - 0.50
5B-00326	20689	Np-239	0.0004 U	0.08	0.024	0.139	0.00 - 0.50
5B-00326	20689	Pa-231	-0.05 U	0.54	0.16	0.936	0.00 - 0.50
5B-00326	20689	Pb-212	1.35	0.022	0.055	2.69	0.00 - 0.50
5B-00326	20689	Pb-214	0.827	0.025	0.028	1.7	0.00 - 0.50
5B-00326	20689	Pu-236	-0.001 U	0.0057	0.0008	7.79	0.00 - 0.50
5B-00326	20689	Pu-238	0.0016	0.0021	0.0011	0.0415	0.00 - 0.50
5B-00326	20689	Pu-239/240	0.0006 U	0.0057	0.0013	0.0404	0.00 - 0.50
5B-00326	20689	Pu-244	0.0008 U	0.0021	0.0008	0.0313	0.00 - 0.50
5B-00326	20689	Sb-125	0.0865 JSK	0.04	0.0083	0.354	0.00 - 0.50
5B-00326	20689	Sn-126	0.0011 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00326	20689	Sr-90	0.018 U	0.048	0.014	0.485	0.00 - 0.50
5B-00326	20689	Tc-99	-0.109 U	0.32	0.096	1.63	0.00 - 0.50
5B-00326	20689	Te-125m	0.02 JSK	0.0093	0.0019	0.0838	0.00 - 0.50
5B-00326	20689	Th-228	1.15	0.018	0.059	3.98	0.00 - 0.50
5B-00326	20689	Th-229	0.0096	0.013	0.0045	0.145	0.00 - 0.50
5B-00326	20689	Th-230	0.812	0.003	0.044	2.2	0.00 - 0.50
5B-00326	20689	Th-232	1.06	0.007	0.054	3.1	0.00 - 0.50
5B-00326	20689	Th-234	1.27 R	0.14	0.073	3.19	0.00 - 0.50
5B-00326	20689	Tl-208	0.403	0.016	0.016	0.937	0.00 - 0.50
5B-00326	20689	Tm-171	-0.1 U	4.7	1.4	72.4	0.00 - 0.50
5B-00326	20689	U-233/234	0.753	0.013	0.043	2.02	0.00 - 0.50
5B-00326	20689	U-235/236	0.0318	0.0039	0.0069	0.151	0.00 - 0.50
5B-00326	20689	U-238	0.824	0.009	0.046	1.8	0.00 - 0.50
5B-00326	20690	Ac-227	0.032 U	0.097	0.03	0.217	1.00 - 5.00
5B-00326	20690	Ac-228	1.06	0.051	0.037	2.4	1.00 - 5.00
5B-00326	20690	Am-241	0.0013 U	0.0035	0.0013	0.0454	1.00 - 5.00
5B-00326	20690	Bi-212	0.867	0.075	0.049	2.15	1.00 - 5.00
5B-00326	20690	Bi-214	0.444	0.017	0.018	1.59	1.00 - 5.00
5B-00326	20690	C-14	0.0131 U	0.028	0.0086	2.96	1.00 - 5.00
5B-00326	20690	Cd-113m	-4.1 U	28	8.4	3030	1.00 - 5.00
5B-00326	20690	Cm-243/244	0.0013 U	0.0034	0.0013	0.0443	1.00 - 5.00
5B-00326	20690	Cm-245/246	0 U	0.0052	0.0017	0.0401	1.00 - 5.00
5B-00326	20690	Cm-247/248	-0.001 U	0.011	0.0013	0.0306	1.00 - 5.00
5B-00326	20690	Co-60	0.0029 U	0.013	0.0026	0.028	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00326	20690	Cs-134	0.0166 SK	0.0066	0.0022	0.0864	1.00 - 5.00
5B-00326	20690	Cs-137	-0.004 U	0.01	0.0032	0.207	1.00 - 5.00
5B-00326	20690	Eu-152	0.0159 K,R	0.025	0.0095	0.0566	1.00 - 5.00
5B-00326	20690	Eu-154	-0.021 U	0.065	0.02	0.15	1.00 - 5.00
5B-00326	20690	Eu-155	0.06 SK	0.026	0.011	0.231	1.00 - 5.00
5B-00326	20690	H-3	0.04 U	0.18	0.055	11.9	1.00 - 5.00
5B-00326	20690	Ho-166m	0.0111 SK	0.016	0.0065	0.0432	1.00 - 5.00
5B-00326	20690	K-40	21.2	0.09	0.7	32.4	1.00 - 5.00
5B-00326	20690	Na-22	-0.006 U	0.018	0.0054	0.037	1.00 - 5.00
5B-00326	20690	Nb-94	0.0017 U	0.0076	0.0023	0.0214	1.00 - 5.00
5B-00326	20690	Ni-59	0 U	0.87	0.22	5.96	1.00 - 5.00
5B-00326	20690	Ni-63	0.12 U	0.89	0.26	4.92	1.00 - 5.00
5B-00326	20690	Np-236	0.0008 U	0.021	0.0062	0.047	1.00 - 5.00
5B-00326	20690	Np-239	0.0005 U	0.06	0.018	0.139	1.00 - 5.00
5B-00326	20690	Pa-231	0.12 U	0.38	0.12	0.936	1.00 - 5.00
5B-00326	20690	Pb-212	1.33	0.016	0.07	2.69	1.00 - 5.00
5B-00326	20690	Pb-214	0.511	0.016	0.02	1.7	1.00 - 5.00
5B-00326	20690	Pu-236	-0.002 U	0.011	0.0019	7.79	1.00 - 5.00
5B-00326	20690	Pu-238	-0.001 U	0.012	0.0027	0.0415	1.00 - 5.00
5B-00326	20690	Pu-239/240	0.0004 U	0.0064	0.0013	0.0404	1.00 - 5.00
5B-00326	20690	Pu-244	-2E-04 U	0.0078	0.0015	0.0313	1.00 - 5.00
5B-00326	20690	Sb-125	0.0936 JSK	0.027	0.0068	0.354	1.00 - 5.00
5B-00326	20690	Sn-126	0.0009 U	0.01	0.0031	0.0237	1.00 - 5.00
5B-00326	20690	Sr-90	0 U	0.057	0.016	0.485	1.00 - 5.00
5B-00326	20690	Tc-99	-0.048 U	0.28	0.083	1.63	1.00 - 5.00
5B-00326	20690	Te-125m	0.0216 JSK	0.0063	0.0016	0.0838	1.00 - 5.00
5B-00326	20690	Th-228	1.07	0.018	0.056	3.98	1.00 - 5.00
5B-00326	20690	Th-229	0.0127	0.011	0.0046	0.145	1.00 - 5.00
5B-00326	20690	Th-230	0.501	0.007	0.031	2.2	1.00 - 5.00
5B-00326	20690	Th-232	1.03	0.003	0.054	3.1	1.00 - 5.00
5B-00326	20690	Th-234	0.18 R	0.11	0.034	3.19	1.00 - 5.00
5B-00326	20690	Tl-208	0.39	0.013	0.016	0.937	1.00 - 5.00
5B-00326	20690	Tm-171	-3.2 U J	3.8	1.2	72.4	1.00 - 5.00
5B-00326	20690	U-233/234	0.394	0.011	0.027	2.02	1.00 - 5.00
5B-00326	20690	U-235/236	0.0204	0.0039	0.0055	0.151	1.00 - 5.00
5B-00326	20690	U-238	0.417	0.009	0.028	1.8	1.00 - 5.00
5B-00326	20691	Ac-227	0.03 U	0.11	0.059	0.217	15.00 - 19.50
5B-00326	20691	Ac-228	1.16	0.07	0.041	2.4	15.00 - 19.50
5B-00326	20691	Am-241	0.0027 U	0.0083	0.0024	0.0454	15.00 - 19.50
5B-00326	20691	Bi-212	0.96	0.13	0.077	2.15	15.00 - 19.50
5B-00326	20691	Bi-214	0.577	0.026	0.023	1.59	15.00 - 19.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00326	20691	C-14	0.049	0.044	0.014	2.96	15.00 - 19.50
5B-00326	20691	Cd-113m	10 U	34	10	3030	15.00 - 19.50
5B-00326	20691	Cm-243/244	-0.002 U	0.011	0.0023	0.0443	15.00 - 19.50
5B-00326	20691	Cm-245/246	0.0017 U	0.0023	0.0012	0.0401	15.00 - 19.50
5B-00326	20691	Cm-247/248	0.0008 U	0.0022	0.0008	0.0306	15.00 - 19.50
5B-00326	20691	Co-60	0.003 U	0.018	0.0053	0.028	15.00 - 19.50
5B-00326	20691	Cs-134	-0.011 JU	0.016	0.005	0.0864	15.00 - 19.50
5B-00326	20691	Cs-137	0.0116	0.016	0.0063	0.207	15.00 - 19.50
5B-00326	20691	Eu-152	0.049	0.03	0.012	0.0566	15.00 - 19.50
5B-00326	20691	Eu-154	-0.027 U	0.099	0.03	0.15	15.00 - 19.50
5B-00326	20691	Eu-155	0.04 SK	0.036	0.011	0.231	15.00 - 19.50
5B-00326	20691	H-3	7.38	0.18	0.34	11.9	15.00 - 19.50
5B-00326	20691	Ho-166m	0.0102 JSK	0.019	0.0043	0.0432	15.00 - 19.50
5B-00326	20691	K-40	19.1	0.12	0.58	32.4	15.00 - 19.50
5B-00326	20691	Na-22	0.0048 U	0.023	0.0068	0.037	15.00 - 19.50
5B-00326	20691	Nb-94	-2E-04 U	0.013	0.004	0.0214	15.00 - 19.50
5B-00326	20691	Ni-59	0 U	0.33	0.1	5.96	15.00 - 19.50
5B-00326	20691	Ni-63	0.04 U	0.54	0.16	4.92	15.00 - 19.50
5B-00326	20691	Np-236	0.0016 U	0.025	0.0075	0.047	15.00 - 19.50
5B-00326	20691	Np-239	-0.001 U	0.081	0.024	0.139	15.00 - 19.50
5B-00326	20691	Pa-231	0.007 U	0.53	0.16	0.936	15.00 - 19.50
5B-00326	20691	Pb-212	1.43	0.021	0.058	2.69	15.00 - 19.50
5B-00326	20691	Pb-214	0.658	0.023	0.023	1.7	15.00 - 19.50
5B-00326	20691	Pu-236	0 U	0.0017	0.0006	7.79	15.00 - 19.50
5B-00326	20691	Pu-238	0.0019	0.0017	0.0011	0.0415	15.00 - 19.50
5B-00326	20691	Pu-239/240	0.0006 U	0.0017	0.0006	0.0404	15.00 - 19.50
5B-00326	20691	Pu-244	0.0013 U	0.0017	0.0009	0.0313	15.00 - 19.50
5B-00326	20691	Sb-125	0.118 SK	0.036	0.0095	0.354	15.00 - 19.50
5B-00326	20691	Sn-126	-2E-04 U	0.015	0.0045	0.0237	15.00 - 19.50
5B-00326	20691	Sr-90	0.018	0.027	0.0084	0.485	15.00 - 19.50
5B-00326	20691	Tc-99	0.008 U	0.3	0.091	1.63	15.00 - 19.50
5B-00326	20691	Te-125m	0.0273 SK	0.0084	0.0022	0.0838	15.00 - 19.50
5B-00326	20691	Th-228	1.17	0.017	0.059	3.98	15.00 - 19.50
5B-00326	20691	Th-229	0.0043	0.0079	0.0026	0.145	15.00 - 19.50
5B-00326	20691	Th-230	0.694	0.002	0.039	2.2	15.00 - 19.50
5B-00326	20691	Th-232	1.12	0.007	0.057	3.1	15.00 - 19.50
5B-00326	20691	Th-234	0.27	0.15	0.046	3.19	15.00 - 19.50
5B-00326	20691	Tl-208	0.435	0.019	0.017	0.937	15.00 - 19.50
5B-00326	20691	Tm-171	-0.09 U J	5.2	1.6	72.4	15.00 - 19.50
5B-00326	20691	U-233/234	0.551	0.009	0.033	2.02	15.00 - 19.50
5B-00326	20691	U-235/236	0.0292	0.0033	0.0061	0.151	15.00 - 19.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00326	20691	U-238	0.594	0.007	0.035	1.8	15.00 - 19.50
5B-00319	20692	Ac-227	0.038 U	0.13	0.056	0.217	0.00 - 0.50
5B-00319	20692	Ac-228	0.917	0.081	0.035	2.4	0.00 - 0.50
5B-00319	20692	Am-241	0.0009 U	0.0064	0.0016	0.0454	0.00 - 0.50
5B-00319	20692	Bi-212	0.72	0.13	0.069	2.15	0.00 - 0.50
5B-00319	20692	Bi-214	0.774	0.025	0.028	1.59	0.00 - 0.50
5B-00319	20692	C-14	0.0249	0.027	0.0086	2.96	0.00 - 0.50
5B-00319	20692	Cd-113m	9 U	36	11	3030	0.00 - 0.50
5B-00319	20692	Cm-243/244	-0.003 U	0.013	0.0031	0.0443	0.00 - 0.50
5B-00319	20692	Cm-245/246	0.0021 U	0.0028	0.0015	0.0401	0.00 - 0.50
5B-00319	20692	Cm-247/248	0.001 U	0.0076	0.0019	0.0306	0.00 - 0.50
5B-00319	20692	Co-60	0.0036 U	0.018	0.0054	0.028	0.00 - 0.50
5B-00319	20692	Cs-134	0.0065 U	0.014	0.0041	0.0864	0.00 - 0.50
5B-00319	20692	Cs-137	0.0117	0.016	0.0064	0.207	0.00 - 0.50
5B-00319	20692	Eu-152	-7E-04 U	0.035	0.011	0.0566	0.00 - 0.50
5B-00319	20692	Eu-154	-0.04 U	0.098	0.03	0.15	0.00 - 0.50
5B-00319	20692	Eu-155	0.06 SK	0.03	0.011	0.231	0.00 - 0.50
5B-00319	20692	H-3	0.063 U	0.18	0.055	11.9	0.00 - 0.50
5B-00319	20692	Ho-166m	0.0055 U L,R	0.024	0.005	0.0432	0.00 - 0.50
5B-00319	20692	K-40	20	0.14	0.61	32.4	0.00 - 0.50
5B-00319	20692	Na-22	0.013 L	0.016	0.007	0.037	0.00 - 0.50
5B-00319	20692	Nb-94	0.0033 U	0.013	0.0038	0.0214	0.00 - 0.50
5B-00319	20692	Ni-59	0 U	0.64	0.17	5.96	0.00 - 0.50
5B-00319	20692	Ni-63	0.14 U	0.7	0.21	4.92	0.00 - 0.50
5B-00319	20692	Np-236	0.0005 U	0.023	0.0069	0.047	0.00 - 0.50
5B-00319	20692	Np-239	0.01 U	0.079	0.024	0.139	0.00 - 0.50
5B-00319	20692	Pa-231	-0.13 U	0.53	0.16	0.936	0.00 - 0.50
5B-00319	20692	Pb-212	1.16	0.024	0.048	2.69	0.00 - 0.50
5B-00319	20692	Pb-214	0.837	0.024	0.028	1.7	0.00 - 0.50
5B-00319	20692	Pu-236	-0.003 U	0.012	0.0025	7.79	0.00 - 0.50
5B-00319	20692	Pu-238	-4E-04 U	0.0083	0.0018	0.0415	0.00 - 0.50
5B-00319	20692	Pu-239/240	0.0007 U	0.0066	0.0015	0.0404	0.00 - 0.50
5B-00319	20692	Pu-244	0.0022	0.0054	0.0017	0.0313	0.00 - 0.50
5B-00319	20692	Sb-125	0.032 JSK	0.034	0.015	0.354	0.00 - 0.50
5B-00319	20692	Sn-126	0.0024 U	0.015	0.0044	0.0237	0.00 - 0.50
5B-00319	20692	Sr-90	0.011 U	0.049	0.014	0.485	0.00 - 0.50
5B-00319	20692	Tc-99	-0.053 U	0.28	0.086	1.63	0.00 - 0.50
5B-00319	20692	Te-125m	0.0074 JSK	0.0078	0.0034	0.0838	0.00 - 0.50
5B-00319	20692	Th-228	1.01	0.014	0.053	3.98	0.00 - 0.50
5B-00319	20692	Th-229	0.0076	0.0099	0.0037	0.145	0.00 - 0.50
5B-00319	20692	Th-230	0.772	0.003	0.043	2.2	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00319	20692	Th-232	0.91	0.011	0.049	3.1	0.00 - 0.50
5B-00319	20692	Th-234	1.15 R	0.13	0.065	3.19	0.00 - 0.50
5B-00319	20692	Tl-208	0.35	0.015	0.014	0.937	0.00 - 0.50
5B-00319	20692	Tm-171	-1.3 U	5.2	1.6	72.4	0.00 - 0.50
5B-00319	20692	U-233/234	0.699	0.01	0.04	2.02	0.00 - 0.50
5B-00319	20692	U-235/236	0.0293	0.0098	0.0066	0.151	0.00 - 0.50
5B-00319	20692	U-238	0.723	0.01	0.041	1.8	0.00 - 0.50
5B-00319	20693	Ac-227	0.029 U	0.084	0.02	0.217	1.00 - 5.00
5B-00319	20693	Ac-228	0.646	0.042	0.024	2.4	1.00 - 5.00
5B-00319	20693	Am-241	0.0025	0.0023	0.0014	0.0454	1.00 - 5.00
5B-00319	20693	Bi-212	0.487	0.065	0.037	2.15	1.00 - 5.00
5B-00319	20693	Bi-214	0.409	0.016	0.017	1.59	1.00 - 5.00
5B-00319	20693	C-14	0.008 U	0.039	0.011	2.96	1.00 - 5.00
5B-00319	20693	Cd-113m	-0.2 U	25	7.4	3030	1.00 - 5.00
5B-00319	20693	Cm-243/244	0.0008 U	0.0022	0.0008	0.0443	1.00 - 5.00
5B-00319	20693	Cm-245/246	0.0055 J	0.0038	0.0028	0.0401	1.00 - 5.00
5B-00319	20693	Cm-247/248	0.0014 U	0.0037	0.0014	0.0306	1.00 - 5.00
5B-00319	20693	Co-60	0.0012 U	0.0081	0.0024	0.028	1.00 - 5.00
5B-00319	20693	Cs-134	0.0087 SK	0.0062	0.002	0.0864	1.00 - 5.00
5B-00319	20693	Cs-137	0.0018 U	0.0086	0.0026	0.207	1.00 - 5.00
5B-00319	20693	Eu-152	-0.008 U	0.02	0.006	0.0566	1.00 - 5.00
5B-00319	20693	Eu-154	0.002 U	0.055	0.013	0.15	1.00 - 5.00
5B-00319	20693	Eu-155	0.05 SK	0.023	0.0099	0.231	1.00 - 5.00
5B-00319	20693	H-3	0.434	0.23	0.074	11.9	1.00 - 5.00
5B-00319	20693	Ho-166m	0.003 U	0.013	0.003	0.0432	1.00 - 5.00
5B-00319	20693	K-40	12.5	0.1	0.42	32.4	1.00 - 5.00
5B-00319	20693	Na-22	-0.003 U	0.013	0.004	0.037	1.00 - 5.00
5B-00319	20693	Nb-94	0.0023 U	0.0071	0.0022	0.0214	1.00 - 5.00
5B-00319	20693	Ni-59	0 U	0.19	0.048	5.96	1.00 - 5.00
5B-00319	20693	Ni-63	-0.29 U	0.63	0.19	4.92	1.00 - 5.00
5B-00319	20693	Np-236	0.0126 SK	0.019	0.0057	0.047	1.00 - 5.00
5B-00319	20693	Np-239	0.008 U	0.054	0.016	0.139	1.00 - 5.00
5B-00319	20693	Pa-231	0.049 U	0.32	0.049	0.936	1.00 - 5.00
5B-00319	20693	Pb-212	0.801	0.015	0.043	2.69	1.00 - 5.00
5B-00319	20693	Pb-214	0.474	0.015	0.019	1.7	1.00 - 5.00
5B-00319	20693	Pu-236	0.0008 U	0.002	0.0008	7.79	1.00 - 5.00
5B-00319	20693	Pu-238	0.0023	0.002	0.0013	0.0415	1.00 - 5.00
5B-00319	20693	Pu-239/240	0.0008 U	0.002	0.0008	0.0404	1.00 - 5.00
5B-00319	20693	Pu-244	0.003	0.002	0.0015	0.0313	1.00 - 5.00
5B-00319	20693	Sb-125	0.0586 SK	0.023	0.005	0.354	1.00 - 5.00
5B-00319	20693	Sn-126	0.0009 U	0.0085	0.0025	0.0237	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00319	20693	Sr-90	-0.003 U	0.043	0.012	0.485	1.00 - 5.00
5B-00319	20693	Tc-99	-0.054 U	0.28	0.086	1.63	1.00 - 5.00
5B-00319	20693	Te-125m	0.0135 SK	0.0053	0.0012	0.0838	1.00 - 5.00
5B-00319	20693	Th-228	1.09	0.016	0.056	3.98	1.00 - 5.00
5B-00319	20693	Th-229	0.0034 U	0.013	0.0039	0.145	1.00 - 5.00
5B-00319	20693	Th-230	0.908	0.007	0.048	2.2	1.00 - 5.00
5B-00319	20693	Th-232	1.02	0.003	0.053	3.1	1.00 - 5.00
5B-00319	20693	Th-234	0.743 R	0.098	0.053	3.19	1.00 - 5.00
5B-00319	20693	Tl-208	0.242	0.01	0.011	0.937	1.00 - 5.00
5B-00319	20693	Tm-171	0.92 U	3.1	0.93	72.4	1.00 - 5.00
5B-00319	20693	U-233/234	0.629	0.008	0.035	2.02	1.00 - 5.00
5B-00319	20693	U-235/236	0.0433	0.0093	0.0071	0.151	1.00 - 5.00
5B-00319	20693	U-238	0.732	0.007	0.039	1.8	1.00 - 5.00
5B-00316	20695	Ac-227	0.035 U	0.13	0.052	0.217	0.00 - 0.50
5B-00316	20695	Ac-228	0.977	0.076	0.035	2.4	0.00 - 0.50
5B-00316	20695	Am-241	0.0024 U	0.011	0.0033	0.0454	0.00 - 0.50
5B-00316	20695	Bi-212	0.779	0.13	0.069	2.15	0.00 - 0.50
5B-00316	20695	Bi-214	0.789	0.024	0.028	1.59	0.00 - 0.50
5B-00316	20695	C-14	0.0116 U	0.028	0.0086	2.96	0.00 - 0.50
5B-00316	20695	Cd-113m	3 U	37	11	3030	0.00 - 0.50
5B-00316	20695	Cm-243/244	0 U	0.0073	0.0017	0.0443	0.00 - 0.50
5B-00316	20695	Cm-245/246	0.0018	0.0025	0.0013	0.0401	0.00 - 0.50
5B-00316	20695	Cm-247/248	0 U	0.0024	0.0008	0.0306	0.00 - 0.50
5B-00316	20695	Co-60	0.0025 U	0.019	0.0049	0.028	0.00 - 0.50
5B-00316	20695	Cs-134	0.0091 U J	0.028	0.0044	0.0864	0.00 - 0.50
5B-00316	20695	Cs-137	0.0036 U J	0.015	0.0049	0.207	0.00 - 0.50
5B-00316	20695	Eu-152	0.0098 U	0.036	0.0065	0.0566	0.00 - 0.50
5B-00316	20695	Eu-154	-0.046 U	0.093	0.028	0.15	0.00 - 0.50
5B-00316	20695	Eu-155	0.055 SK	0.031	0.012	0.231	0.00 - 0.50
5B-00316	20695	H-3	0.072	0.042	0.017	11.9	0.00 - 0.50
5B-00316	20695	Ho-166m	0.0046 U	0.025	0.0032	0.0432	0.00 - 0.50
5B-00316	20695	K-40	19.5	0.13	0.59	32.4	0.00 - 0.50
5B-00316	20695	Na-22	-3E-04 U	0.024	0.0071	0.037	0.00 - 0.50
5B-00316	20695	Nb-94	0.0065 U	0.013	0.0041	0.0214	0.00 - 0.50
5B-00316	20695	Ni-59	0 U	0.35	0.08	5.96	0.00 - 0.50
5B-00316	20695	Ni-63	0.45	0.62	0.19	4.92	0.00 - 0.50
5B-00316	20695	Np-236	-0.005 U	0.027	0.0081	0.047	0.00 - 0.50
5B-00316	20695	Np-239	0.002 U	0.081	0.024	0.139	0.00 - 0.50
5B-00316	20695	Pa-231	0.005 U	0.52	0.16	0.936	0.00 - 0.50
5B-00316	20695	Pb-212	1.28	0.021	0.052	2.69	0.00 - 0.50
5B-00316	20695	Pb-214	0.819	0.024	0.028	1.7	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00316	20695	Pu-236	-4E-04 U	0.0043	0.0005	7.79	0.00 - 0.50
5B-00316	20695	Pu-238	0.0032	0.0043	0.0017	0.0415	0.00 - 0.50
5B-00316	20695	Pu-239/240	0 U	0.002	0.0006	0.0404	0.00 - 0.50
5B-00316	20695	Pu-244	0.0017	0.0043	0.0014	0.0313	0.00 - 0.50
5B-00316	20695	Sb-125	0.121 JSK	0.04	0.0095	0.354	0.00 - 0.50
5B-00316	20695	Sn-126	0.0019 U	0.015	0.0046	0.0237	0.00 - 0.50
5B-00316	20695	Sr-90	0.563	0.051	0.039	0.485	0.00 - 0.50
5B-00316	20695	Tc-99	-0.049 U	0.3	0.091	1.63	0.00 - 0.50
5B-00316	20695	Te-125m	0.0279 JSK	0.0092	0.0022	0.0838	0.00 - 0.50
5B-00316	20695	Th-228	1.14	0.02	0.06	3.98	0.00 - 0.50
5B-00316	20695	Th-229	0.0081	0.0095	0.0035	0.145	0.00 - 0.50
5B-00316	20695	Th-230	0.903	0.011	0.05	2.2	0.00 - 0.50
5B-00316	20695	Th-232	1.05	0.008	0.056	3.1	0.00 - 0.50
5B-00316	20695	Th-234	0.271 R	0.15	0.046	3.19	0.00 - 0.50
5B-00316	20695	Tl-208	0.396	0.016	0.016	0.937	0.00 - 0.50
5B-00316	20695	Tm-171	0.3 U	3.7	1.1	72.4	0.00 - 0.50
5B-00316	20695	U-233/234	0.66	0.01	0.039	2.02	0.00 - 0.50
5B-00316	20695	U-235/236	0.0522	0.0099	0.0089	0.151	0.00 - 0.50
5B-00316	20695	U-238	0.703	0.01	0.04	1.8	0.00 - 0.50
5B-00316	20696	Ac-227	0.024 U	0.13	0.041	0.217	3.00 - 5.00
5B-00316	20696	Ac-228	1.25	0.072	0.043	2.4	3.00 - 5.00
5B-00316	20696	Am-241	0.001 U	0.0028	0.001	0.0454	3.00 - 5.00
5B-00316	20696	Bi-212	1.05	0.11	0.068	2.15	3.00 - 5.00
5B-00316	20696	Bi-214	0.755	0.021	0.027	1.59	3.00 - 5.00
5B-00316	20696	C-14	0.0184	0.027	0.0085	2.96	3.00 - 5.00
5B-00316	20696	Cd-113m	0.3 U	35	11	3030	3.00 - 5.00
5B-00316	20696	Cm-243/244	0.001 U	0.0074	0.0018	0.0443	3.00 - 5.00
5B-00316	20696	Cm-245/246	0.0022 U	0.003	0.0016	0.0401	3.00 - 5.00
5B-00316	20696	Cm-247/248	0 U	0.0081	0.0016	0.0306	3.00 - 5.00
5B-00316	20696	Co-60	-3E-04 U	0.016	0.0004	0.028	3.00 - 5.00
5B-00316	20696	Cs-134	0.0141 U	0.04	0.0039	0.0864	3.00 - 5.00
5B-00316	20696	Cs-137	0.0043 U	0.014	0.0043	0.207	3.00 - 5.00
5B-00316	20696	Eu-152	0.0067 U	0.032	0.0039	0.0566	3.00 - 5.00
5B-00316	20696	Eu-154	0.021 U	0.09	0.024	0.15	3.00 - 5.00
5B-00316	20696	Eu-155	0.081 SK	0.032	0.013	0.231	3.00 - 5.00
5B-00316	20696	H-3	0.316	0.19	0.06	11.9	3.00 - 5.00
5B-00316	20696	Ho-166m	0.0073 U L,R	0.022	0.0063	0.0432	3.00 - 5.00
5B-00316	20696	K-40	20.8	0.13	0.62	32.4	3.00 - 5.00
5B-00316	20696	Na-22	-0.004 U	0.022	0.0065	0.037	3.00 - 5.00
5B-00316	20696	Nb-94	0.0046 U	0.013	0.0038	0.0214	3.00 - 5.00
5B-00316	20696	Ni-59	0 U	0.67	0.18	5.96	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00316	20696	Ni-63	0.19 U	0.73	0.22	4.92	3.00 - 5.00
5B-00316	20696	Np-236	-0.006 U	0.029	0.0087	0.047	3.00 - 5.00
5B-00316	20696	Np-239	0.013 U	0.076	0.023	0.139	3.00 - 5.00
5B-00316	20696	Pa-231	-0.02 U	0.49	0.15	0.936	3.00 - 5.00
5B-00316	20696	Pb-212	1.4	0.025	0.042	2.69	3.00 - 5.00
5B-00316	20696	Pb-214	0.775	0.022	0.033	1.7	3.00 - 5.00
5B-00316	20696	Pu-236	-0.002 U	0.01	0.0018	7.79	3.00 - 5.00
5B-00316	20696	Pu-238	0.0018 U	0.0073	0.002	0.0415	3.00 - 5.00
5B-00316	20696	Pu-239/240	0.0004 U	0.006	0.0012	0.0404	3.00 - 5.00
5B-00316	20696	Pu-244	0.001 U	0.0027	0.001	0.0313	3.00 - 5.00
5B-00316	20696	Sb-125	0.007 U	0.035	0.011	0.354	3.00 - 5.00
5B-00316	20696	Sn-126	0 U	0.015	0.003	0.0237	3.00 - 5.00
5B-00316	20696	Sr-90	0.003 U	0.057	0.017	0.485	3.00 - 5.00
5B-00316	20696	Tc-99	-0.04 U	0.33	0.1	1.63	3.00 - 5.00
5B-00316	20696	Te-125m	0.0017 U	0.0081	0.0024	0.0838	3.00 - 5.00
5B-00316	20696	Th-228	1.36	0.02	0.071	3.98	3.00 - 5.00
5B-00316	20696	Th-229	0.018	0.0044	0.0055	0.145	3.00 - 5.00
5B-00316	20696	Th-230	0.947	0.015	0.053	2.2	3.00 - 5.00
5B-00316	20696	Th-232	1.34	0.009	0.07	3.1	3.00 - 5.00
5B-00316	20696	Th-234	0.447 R	0.19	0.043	3.19	3.00 - 5.00
5B-00316	20696	Tl-208	0.482	0.017	0.018	0.937	3.00 - 5.00
5B-00316	20696	Tm-171	-2.7 U	5.7	1.7	72.4	3.00 - 5.00
5B-00316	20696	U-233/234	0.807	0.009	0.046	2.02	3.00 - 5.00
5B-00316	20696	U-235/236	0.0496	0.0039	0.0088	0.151	3.00 - 5.00
5B-00316	20696	U-238	0.778	0.003	0.044	1.8	3.00 - 5.00
5B-00335	20698	Ac-227	0.082	0.1	0.018	0.217	0.00 - 0.50
5B-00335	20698	Ac-228	0.722	0.078	0.031	2.4	0.00 - 0.50
5B-00335	20698	Am-241	0 U	0.0068	0.0018	0.0454	0.00 - 0.50
5B-00335	20698	Bi-212	0.6	0.11	0.063	2.15	0.00 - 0.50
5B-00335	20698	Bi-214	1.22	0.024	0.041	1.59	0.00 - 0.50
5B-00335	20698	C-14	0.0171	0.03	0.0091	2.96	0.00 - 0.50
5B-00335	20698	Cd-113m	-1.4 U	33	9.7	3030	0.00 - 0.50
5B-00335	20698	Cm-243/244	0 U	0.0044	0.001	0.0443	0.00 - 0.50
5B-00335	20698	Cm-245/246	0 U	0.003	0.0013	0.0401	0.00 - 0.50
5B-00335	20698	Cm-247/248	0.0022 U	0.0081	0.0023	0.0306	0.00 - 0.50
5B-00335	20698	Co-60	0.0032 U	0.017	0.0044	0.028	0.00 - 0.50
5B-00335	20698	Cs-134	0.0071 U	0.055	0.005	0.0864	0.00 - 0.50
5B-00335	20698	Cs-137	-1E-04 U	0.012	0.0035	0.207	0.00 - 0.50
5B-00335	20698	Eu-152	0.02	0.036	0.011	0.0566	0.00 - 0.50
5B-00335	20698	Eu-154	-0.019 U	0.097	0.029	0.15	0.00 - 0.50
5B-00335	20698	Eu-155	0.038 SK	0.031	0.013	0.231	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00335	20698	H-3	0.027 U	0.19	0.056	11.9	0.00 - 0.50
5B-00335	20698	Ho-166m	0.0041 U J	0.022	0.0066	0.0432	0.00 - 0.50
5B-00335	20698	K-40	19.6	0.13	0.59	32.4	0.00 - 0.50
5B-00335	20698	Na-22	-0.011 U	0.021	0.0065	0.037	0.00 - 0.50
5B-00335	20698	Nb-94	0.005 U	0.012	0.0038	0.0214	0.00 - 0.50
5B-00335	20698	Ni-59	0 U	0.21	0.073	5.96	0.00 - 0.50
5B-00335	20698	Ni-63	0.02 U	0.43	0.13	4.92	0.00 - 0.50
5B-00335	20698	Np-236	-0.004 U	0.029	0.0087	0.047	0.00 - 0.50
5B-00335	20698	Np-239	0.0009 U	0.078	0.023	0.139	0.00 - 0.50
5B-00335	20698	Pa-231	-0.14 U	0.55	0.17	0.936	0.00 - 0.50
5B-00335	20698	Pb-212	0.851	0.023	0.035	2.69	0.00 - 0.50
5B-00335	20698	Pb-214	1.35	0.026	0.044	1.7	0.00 - 0.50
5B-00335	20698	Pu-236	-4E-04 U	0.004	0.0005	7.79	0.00 - 0.50
5B-00335	20698	Pu-238	0.0036	0.004	0.0017	0.0415	0.00 - 0.50
5B-00335	20698	Pu-239/240	0 U	0.0018	0.0006	0.0404	0.00 - 0.50
5B-00335	20698	Pu-244	0.0016	0.004	0.0012	0.0313	0.00 - 0.50
5B-00335	20698	Sb-125	0.057 SK	0.038	0.0073	0.354	0.00 - 0.50
5B-00335	20698	Sn-126	-2E-04 U	0.015	0.0044	0.0237	0.00 - 0.50
5B-00335	20698	Sr-90	0.007 U	0.03	0.0087	0.485	0.00 - 0.50
5B-00335	20698	Tc-99	-0.054 U	0.31	0.094	1.63	0.00 - 0.50
5B-00335	20698	Te-125m	0.0132 SK	0.0087	0.0017	0.0838	0.00 - 0.50
5B-00335	20698	Th-228	0.797	0.019	0.043	3.98	0.00 - 0.50
5B-00335	20698	Th-229	0.0066	0.0077	0.0029	0.145	0.00 - 0.50
5B-00335	20698	Th-230	1.65	0.009	0.079	2.2	0.00 - 0.50
5B-00335	20698	Th-232	0.751	0.005	0.041	3.1	0.00 - 0.50
5B-00335	20698	Th-234	1.12	0.13	0.069	3.19	0.00 - 0.50
5B-00335	20698	Tl-208	0.271	0.013	0.011	0.937	0.00 - 0.50
5B-00335	20698	Tm-171	0.06 U J	5.6	1.7	72.4	0.00 - 0.50
5B-00335	20698	U-233/234	0.905	0.004	0.043	2.02	0.00 - 0.50
5B-00335	20698	U-235/236	0.0364	0.0014	0.0047	0.151	0.00 - 0.50
5B-00335	20698	U-238	0.809	0.003	0.039	1.8	0.00 - 0.50
5B-00335	20699	Ac-227	0.07	0.1	0.02	0.217	1.00 - 3.00
5B-00335	20699	Ac-228	1.32	0.078	0.044	2.4	1.00 - 3.00
5B-00335	20699	Am-241	0.004	0.0092	0.0029	0.0454	1.00 - 3.00
5B-00335	20699	Bi-212	0.913	0.13	0.079	2.15	1.00 - 3.00
5B-00335	20699	Bi-214	0.627	0.024	0.024	1.59	1.00 - 3.00
5B-00335	20699	C-14	0.016 U	0.034	0.01	2.96	1.00 - 3.00
5B-00335	20699	Cd-113m	6 U	38	12	3030	1.00 - 3.00
5B-00335	20699	Cm-243/244	-0.005 U	0.017	0.0041	0.0443	1.00 - 3.00
5B-00335	20699	Cm-245/246	0.0039	0.0096	0.003	0.0401	1.00 - 3.00
5B-00335	20699	Cm-247/248	0.0025 U	0.0034	0.0018	0.0306	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00335	20699	Co-60	0.0061 U	0.014	0.0044	0.028	1.00 - 3.00
5B-00335	20699	Cs-134	0.0183 U	0.04	0.0062	0.0864	1.00 - 3.00
5B-00335	20699	Cs-137	0.0006 U	0.015	0.0045	0.207	1.00 - 3.00
5B-00335	20699	Eu-152	-0.017 U	0.037	0.011	0.0566	1.00 - 3.00
5B-00335	20699	Eu-154	0.026 U	0.095	0.023	0.15	1.00 - 3.00
5B-00335	20699	Eu-155	0.081 SK	0.031	0.013	0.231	1.00 - 3.00
5B-00335	20699	H-3	0.035 U	0.19	0.056	11.9	1.00 - 3.00
5B-00335	20699	Ho-166m	0.0375 JSK	0.024	0.005	0.0432	1.00 - 3.00
5B-00335	20699	K-40	20.4	0.13	0.61	32.4	1.00 - 3.00
5B-00335	20699	Na-22	0.0008 U	0.022	0.0065	0.037	1.00 - 3.00
5B-00335	20699	Nb-94	0.0036 U	0.014	0.003	0.0214	1.00 - 3.00
5B-00335	20699	Ni-59	0 U	0.27	0.093	5.96	1.00 - 3.00
5B-00335	20699	Ni-63	0.11 U	0.52	0.16	4.92	1.00 - 3.00
5B-00335	20699	Np-236	-0.01 U	0.027	0.0083	0.047	1.00 - 3.00
5B-00335	20699	Np-239	0.019 U	0.081	0.025	0.139	1.00 - 3.00
5B-00335	20699	Pa-231	-0.01 U	0.56	0.17	0.936	1.00 - 3.00
5B-00335	20699	Pb-212	1.64	0.021	0.066	2.69	1.00 - 3.00
5B-00335	20699	Pb-214	0.698	0.024	0.025	1.7	1.00 - 3.00
5B-00335	20699	Pu-236	-4E-04 U	0.0043	0.0005	7.79	1.00 - 3.00
5B-00335	20699	Pu-238	0.001 U	0.0043	0.0011	0.0415	1.00 - 3.00
5B-00335	20699	Pu-239/240	-9E-04 U	0.0053	0.0007	0.0404	1.00 - 3.00
5B-00335	20699	Pu-244	0.0029	0.002	0.0015	0.0313	1.00 - 3.00
5B-00335	20699	Sb-125	0.158 SK	0.039	0.012	0.354	1.00 - 3.00
5B-00335	20699	Sn-126	0 U	0.016	0.0047	0.0237	1.00 - 3.00
5B-00335	20699	Sr-90	0.003 U	0.038	0.011	0.485	1.00 - 3.00
5B-00335	20699	Tc-99	0.062 U	0.3	0.09	1.63	1.00 - 3.00
5B-00335	20699	Te-125m	0.0364 SK	0.0089	0.0027	0.0838	1.00 - 3.00
5B-00335	20699	Th-228	1.42	0.017	0.069	3.98	1.00 - 3.00
5B-00335	20699	Th-229	0.0105	0.0075	0.0034	0.145	1.00 - 3.00
5B-00335	20699	Th-230	0.747	0.009	0.04	2.2	1.00 - 3.00
5B-00335	20699	Th-232	1.3	0.002	0.064	3.1	1.00 - 3.00
5B-00335	20699	Th-234	0.334	0.15	0.046	3.19	1.00 - 3.00
5B-00335	20699	Tl-208	0.52	0.017	0.019	0.937	1.00 - 3.00
5B-00335	20699	Tm-171	-4 JU J	5	1.5	72.4	1.00 - 3.00
5B-00335	20699	U-233/234	0.618	0.012	0.036	2.02	1.00 - 3.00
5B-00335	20699	U-235/236	0.0297	0.0035	0.0063	0.151	1.00 - 3.00
5B-00335	20699	U-238	0.696	0.01	0.04	1.8	1.00 - 3.00
5B-00332	20701	Ac-227	0.049 U	0.13	0.016	0.217	0.00 - 0.50
5B-00332	20701	Ac-228	1.03	0.077	0.039	2.4	0.00 - 0.50
5B-00332	20701	Am-241	0.0019	0.0046	0.0014	0.0454	0.00 - 0.50
5B-00332	20701	Bi-212	0.812	0.11	0.062	2.15	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00332	20701	Bi-214	0.589	0.024	0.024	1.59	0.00 - 0.50
5B-00332	20701	C-14	0.023 U	0.068	0.021	2.96	0.00 - 0.50
5B-00332	20701	Cd-113m	12 U	37	11	3030	0.00 - 0.50
5B-00332	20701	Cm-243/244	0.0006 U	0.0092	0.0025	0.0443	0.00 - 0.50
5B-00332	20701	Cm-245/246	0.0019 U	0.0026	0.0013	0.0401	0.00 - 0.50
5B-00332	20701	Cm-247/248	0.0009 U	0.0025	0.0009	0.0306	0.00 - 0.50
5B-00332	20701	Co-60	-0.001 U	0.016	0.0047	0.028	0.00 - 0.50
5B-00332	20701	Cs-134	0.01 U	0.046	0.0034	0.0864	0.00 - 0.50
5B-00332	20701	Cs-137	0.0124	0.014	0.0044	0.207	0.00 - 0.50
5B-00332	20701	Eu-152	0.078 Y	0.025	0.011	0.0566	0.00 - 0.50
5B-00332	20701	Eu-154	-1E-04 U	0.074	0.022	0.15	0.00 - 0.50
5B-00332	20701	Eu-155	0.088 SK	0.044	0.02	0.231	0.00 - 0.50
5B-00332	20701	H-3	0.053 U	0.18	0.054	11.9	0.00 - 0.50
5B-00332	20701	Ho-166m	-8E-04 U J	0.021	0.0016	0.0432	0.00 - 0.50
5B-00332	20701	K-40	20	0.1	0.6	32.4	0.00 - 0.50
5B-00332	20701	Na-22	-0.002 U	0.019	0.0057	0.037	0.00 - 0.50
5B-00332	20701	Nb-94	0.0024 U	0.013	0.0028	0.0214	0.00 - 0.50
5B-00332	20701	Ni-59	0 U	0.28	0.089	5.96	0.00 - 0.50
5B-00332	20701	Ni-63	-0.1 U	0.46	0.13	4.92	0.00 - 0.50
5B-00332	20701	Np-236	-0.008 U	0.031	0.0093	0.047	0.00 - 0.50
5B-00332	20701	Np-239	0.001 U	0.076	0.023	0.139	0.00 - 0.50
5B-00332	20701	Pa-231	-0.11 U	0.57	0.17	0.936	0.00 - 0.50
5B-00332	20701	Pb-212	1.28	0.021	0.039	2.69	0.00 - 0.50
5B-00332	20701	Pb-214	0.674	0.025	0.031	1.7	0.00 - 0.50
5B-00332	20701	Pu-236	0.0012 U	0.0017	0.0009	7.79	0.00 - 0.50
5B-00332	20701	Pu-238	0.0006 U	0.0017	0.0006	0.0415	0.00 - 0.50
5B-00332	20701	Pu-239/240	0.0027	0.0037	0.0015	0.0404	0.00 - 0.50
5B-00332	20701	Pu-244	0.0003 U	0.0037	0.0008	0.0313	0.00 - 0.50
5B-00332	20701	Sb-125	0.105 SK	0.038	0.0086	0.354	0.00 - 0.50
5B-00332	20701	Sn-126	0.0044 U	0.014	0.0043	0.0237	0.00 - 0.50
5B-00332	20701	Sr-90	-3E-04 U	0.034	0.0098	0.485	0.00 - 0.50
5B-00332	20701	Tc-99	0.004 U	0.32	0.096	1.63	0.00 - 0.50
5B-00332	20701	Te-125m	0.0242 SK	0.0087	0.002	0.0838	0.00 - 0.50
5B-00332	20701	Th-228	1.08	0.016	0.054	3.98	0.00 - 0.50
5B-00332	20701	Th-229	0.0148	0.0021	0.0035	0.145	0.00 - 0.50
5B-00332	20701	Th-230	0.57	0.008	0.032	2.2	0.00 - 0.50
5B-00332	20701	Th-232	1.04	0.002	0.053	3.1	0.00 - 0.50
5B-00332	20701	Th-234	0.878	0.18	0.063	3.19	0.00 - 0.50
5B-00332	20701	Tl-208	0.423	0.016	0.016	0.937	0.00 - 0.50
5B-00332	20701	Tm-171	-10.2 JU J	8	2.5	72.4	0.00 - 0.50
5B-00332	20701	U-233/234	0.492	0.007	0.03	2.02	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00332	20701	U-235/236	0.0295	0.013	0.0067	0.151	0.00 - 0.50
5B-00332	20701	U-238	0.509	0.003	0.031	1.8	0.00 - 0.50
5B-00332	20702	Ac-227	0.031 U	0.1	0.031	0.217	1.00 - 5.00
5B-00332	20702	Ac-228	1.08	0.051	0.038	2.4	1.00 - 5.00
5B-00332	20702	Am-241	0.0043 U	0.015	0.0045	0.0454	1.00 - 5.00
5B-00332	20702	Bi-212	0.873	0.093	0.061	2.15	1.00 - 5.00
5B-00332	20702	Bi-214	0.739	0.018	0.028	1.59	1.00 - 5.00
5B-00332	20702	C-14	0.022	0.035	0.011	2.96	1.00 - 5.00
5B-00332	20702	Cd-113m	-0.6 U	29	8.8	3030	1.00 - 5.00
5B-00332	20702	Cm-243/244	0.0028 U	0.013	0.0036	0.0443	1.00 - 5.00
5B-00332	20702	Cm-245/246	0.002 U	0.0073	0.002	0.0401	1.00 - 5.00
5B-00332	20702	Cm-247/248	0.001 U	0.0071	0.0017	0.0306	1.00 - 5.00
5B-00332	20702	Co-60	0.0005 U	0.013	0.0006	0.028	1.00 - 5.00
5B-00332	20702	Cs-134	0.0162 JSK	0.0066	0.0049	0.0864	1.00 - 5.00
5B-00332	20702	Cs-137	0.0146	0.007	0.0029	0.207	1.00 - 5.00
5B-00332	20702	Eu-152	0.0544	0.02	0.0083	0.0566	1.00 - 5.00
5B-00332	20702	Eu-154	-0.022 U	0.068	0.02	0.15	1.00 - 5.00
5B-00332	20702	Eu-155	0.065 SK	0.027	0.012	0.231	1.00 - 5.00
5B-00332	20702	H-3	0.04 U	0.19	0.056	11.9	1.00 - 5.00
5B-00332	20702	Ho-166m	0.0053 U J	0.017	0.0053	0.0432	1.00 - 5.00
5B-00332	20702	K-40	21.9	0.09	0.72	32.4	1.00 - 5.00
5B-00332	20702	Na-22	0.0003 U	0.019	0.0058	0.037	1.00 - 5.00
5B-00332	20702	Nb-94	0.0041 U	0.0093	0.0022	0.0214	1.00 - 5.00
5B-00332	20702	Ni-59	0 U	0.27	0.092	5.96	1.00 - 5.00
5B-00332	20702	Ni-63	-0.08 U	0.52	0.15	4.92	1.00 - 5.00
5B-00332	20702	Np-236	0.0007 U	0.022	0.0065	0.047	1.00 - 5.00
5B-00332	20702	Np-239	0.0003 U	0.064	0.019	0.139	1.00 - 5.00
5B-00332	20702	Pa-231	0.047 U	0.24	0.071	0.936	1.00 - 5.00
5B-00332	20702	Pb-212	1.34	0.017	0.07	2.69	1.00 - 5.00
5B-00332	20702	Pb-214	0.842	0.017	0.031	1.7	1.00 - 5.00
5B-00332	20702	Pu-236	-8E-04 U	0.0081	0.0009	7.79	1.00 - 5.00
5B-00332	20702	Pu-238	0.0041	0.0037	0.0024	0.0415	1.00 - 5.00
5B-00332	20702	Pu-239/240	0.0025 U	0.0099	0.0027	0.0404	1.00 - 5.00
5B-00332	20702	Pu-244	0.0027	0.0037	0.0019	0.0313	1.00 - 5.00
5B-00332	20702	Sb-125	0.113 SK	0.028	0.0078	0.354	1.00 - 5.00
5B-00332	20702	Sn-126	0.0033 U	0.01	0.0031	0.0237	1.00 - 5.00
5B-00332	20702	Sr-90	0.0008 U	0.037	0.011	0.485	1.00 - 5.00
5B-00332	20702	Tc-99	-0.033 U	0.32	0.097	1.63	1.00 - 5.00
5B-00332	20702	Te-125m	0.0261 SK	0.0065	0.0018	0.0838	1.00 - 5.00
5B-00332	20702	Th-228	1.16	0.017	0.059	3.98	1.00 - 5.00
5B-00332	20702	Th-229	-8E-04 U	0.012	0.003	0.145	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00332	20702	Th-230	0.787	0.003	0.043	2.2	1.00 - 5.00
5B-00332	20702	Th-232	1.11	0.011	0.056	3.1	1.00 - 5.00
5B-00332	20702	Th-234	1.17	0.11	0.067	3.19	1.00 - 5.00
5B-00332	20702	Tl-208	0.388	0.013	0.015	0.937	1.00 - 5.00
5B-00332	20702	Tm-171	-2 U J	4.3	1.3	72.4	1.00 - 5.00
5B-00332	20702	U-233/234	0.67	0.003	0.038	2.02	1.00 - 5.00
5B-00332	20702	U-235/236	0.0298	0.0032	0.0061	0.151	1.00 - 5.00
5B-00332	20702	U-238	0.694	0.003	0.039	1.8	1.00 - 5.00
5B-00330	20704	Ac-227	0.079	0.1	0.032	0.217	0.00 - 0.50
5B-00330	20704	Ac-228	0.939	0.088	0.036	2.4	0.00 - 0.50
5B-00330	20704	Am-241	0.0024 U	0.0086	0.0025	0.0454	0.00 - 0.50
5B-00330	20704	Bi-212	0.709	0.11	0.064	2.15	0.00 - 0.50
5B-00330	20704	Bi-214	0.866	0.02	0.03	1.59	0.00 - 0.50
5B-00330	20704	Cd-113m	-6 U	39	12	3030	0.00 - 0.50
5B-00330	20704	Cm-243/244	0 U	0.0084	0.002	0.0443	0.00 - 0.50
5B-00330	20704	Cm-245/246	0 U	0.0041	0.0008	0.0401	0.00 - 0.50
5B-00330	20704	Cm-247/248	0 U	0.004	0.0008	0.0306	0.00 - 0.50
5B-00330	20704	Co-60	0.0011 U	0.016	0.0048	0.028	0.00 - 0.50
5B-00330	20704	Cs-134	0.0011 U	0.056	0.0005	0.0864	0.00 - 0.50
5B-00330	20704	Cs-137	0.0009 U	0.011	0.0032	0.207	0.00 - 0.50
5B-00330	20704	Eu-152	0.011 U	0.037	0.013	0.0566	0.00 - 0.50
5B-00330	20704	Eu-154	-0.025 U	0.092	0.028	0.15	0.00 - 0.50
5B-00330	20704	Eu-155	0.109 SK	0.043	0.018	0.231	0.00 - 0.50
5B-00330	20704	Ho-166m	0.014 SK	0.021	0.0024	0.0432	0.00 - 0.50
5B-00330	20704	K-40	20.3	0.1	0.61	32.4	0.00 - 0.50
5B-00330	20704	Na-22	0.0158 K R	0.02	0.0063	0.037	0.00 - 0.50
5B-00330	20704	Nb-94	0.0024 U	0.013	0.0038	0.0214	0.00 - 0.50
5B-00330	20704	Np-236	-0.01 U	0.034	0.01	0.047	0.00 - 0.50
5B-00330	20704	Np-239	0.003 U	0.085	0.025	0.139	0.00 - 0.50
5B-00330	20704	Pa-231	-0.12 U	0.47	0.14	0.936	0.00 - 0.50
5B-00330	20704	Pb-212	1.01 J	0.029	0.034	2.69	0.00 - 0.50
5B-00330	20704	Pb-214	0.917	0.027	0.04	1.7	0.00 - 0.50
5B-00330	20704	Pu-236	-0.002 U	0.0083	0.0017	7.79	0.00 - 0.50
5B-00330	20704	Pu-238	0.0006 U	0.0054	0.0013	0.0415	0.00 - 0.50
5B-00330	20704	Pu-239/240	0.0022	0.002	0.0013	0.0404	0.00 - 0.50
5B-00330	20704	Pu-244	0 U	0.002	0.0006	0.0313	0.00 - 0.50
5B-00330	20704	Sb-125	0.0804 SK	0.041	0.0075	0.354	0.00 - 0.50
5B-00330	20704	Sn-126	0.0016 U	0.012	0.0037	0.0237	0.00 - 0.50
5B-00330	20704	Sr-90	-0.003 U	0.034	0.0099	0.485	0.00 - 0.50
5B-00330	20704	Te-125m	0.0186 SK	0.0094	0.0017	0.0838	0.00 - 0.50
5B-00330	20704	Th-228	1.05	0.014	0.054	3.98	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00330	20704	Th-229	0.0034	0.0079	0.0025	0.145	0.00 - 0.50
5B-00330	20704	Th-230	0.91	0.01	0.048	2.2	0.00 - 0.50
5B-00330	20704	Th-232	0.959	0.003	0.05	3.1	0.00 - 0.50
5B-00330	20704	Th-234	1.11 R	0.19	0.069	3.19	0.00 - 0.50
5B-00330	20704	Tl-208	0.385	0.015	0.015	0.937	0.00 - 0.50
5B-00330	20704	Tm-171	-15 U	8.4	2.7	72.4	0.00 - 0.50
5B-00330	20705	Ac-227	0.289 RZ	0.11	0.016	0.217	1.00 - 3.00
5B-00330	20705	Ac-228	1.13	0.055	0.039	2.4	1.00 - 3.00
5B-00330	20705	Am-241	0.0019	0.0047	0.0015	0.0454	1.00 - 3.00
5B-00330	20705	Bi-212	0.906	0.095	0.062	2.15	1.00 - 3.00
5B-00330	20705	Bi-214	0.644	0.019	0.025	1.59	1.00 - 3.00
5B-00330	20705	Cd-113m	10 U	27	8.3	3030	1.00 - 3.00
5B-00330	20705	Cm-243/244	0.0013 U	0.0017	0.0009	0.0443	1.00 - 3.00
5B-00330	20705	Cm-245/246	0.0006 U	0.0067	0.0017	0.0401	1.00 - 3.00
5B-00330	20705	Cm-247/248	-6E-04 U	0.0056	0.0011	0.0306	1.00 - 3.00
5B-00330	20705	Co-60	-0.003 U	0.013	0.0039	0.028	1.00 - 3.00
5B-00330	20705	Cs-134	0.0163 SK	0.033	0.0039	0.0864	1.00 - 3.00
5B-00330	20705	Cs-137	0.0008 U	0.011	0.0034	0.207	1.00 - 3.00
5B-00330	20705	Eu-152	0.0005 U	0.026	0.0079	0.0566	1.00 - 3.00
5B-00330	20705	Eu-154	-0.006 U	0.07	0.021	0.15	1.00 - 3.00
5B-00330	20705	Eu-155	0.075 SK	0.025	0.01	0.231	1.00 - 3.00
5B-00330	20705	Ho-166m	0.004 U	0.018	0.0055	0.0432	1.00 - 3.00
5B-00330	20705	K-40	22.5	0.09	0.74	32.4	1.00 - 3.00
5B-00330	20705	Na-22	0.0005 U	0.018	0.0053	0.037	1.00 - 3.00
5B-00330	20705	Nb-94	0.0026 U	0.0098	0.003	0.0214	1.00 - 3.00
5B-00330	20705	Np-236	-0.003 U	0.024	0.0072	0.047	1.00 - 3.00
5B-00330	20705	Np-239	-0.001 U	0.068	0.02	0.139	1.00 - 3.00
5B-00330	20705	Pa-231	0.06 U	0.36	0.11	0.936	1.00 - 3.00
5B-00330	20705	Pb-212	1.41 J	0.018	0.074	2.69	1.00 - 3.00
5B-00330	20705	Pb-214	0.739	0.019	0.028	1.7	1.00 - 3.00
5B-00330	20705	Pu-236	0 U	0.0018	0.0006	7.79	1.00 - 3.00
5B-00330	20705	Pu-238	0.0014 U	0.0018	0.001	0.0415	1.00 - 3.00
5B-00330	20705	Pu-239/240	0.0014 U	0.0018	0.001	0.0404	1.00 - 3.00
5B-00330	20705	Pu-244	0.0014 U	0.0018	0.001	0.0313	1.00 - 3.00
5B-00330	20705	Sb-125	0.13 SK	0.03	0.0091	0.354	1.00 - 3.00
5B-00330	20705	Sn-126	-0.001 U	0.011	0.0034	0.0237	1.00 - 3.00
5B-00330	20705	Sr-90	-0.004 U	0.031	0.0088	0.485	1.00 - 3.00
5B-00330	20705	Te-125m	0.0301 SK	0.0069	0.0021	0.0838	1.00 - 3.00
5B-00330	20705	Th-228	1.2	0.014	0.06	3.98	1.00 - 3.00
5B-00330	20705	Th-229	0.0107	0.0097	0.0039	0.145	1.00 - 3.00
5B-00330	20705	Th-230	0.768	0.008	0.041	2.2	1.00 - 3.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00330	20705	Th-232	1.18	0.006	0.058	3.1	1.00 - 3.00
5B-00330	20705	Th-234	1.18 R	0.11	0.069	3.19	1.00 - 3.00
5B-00330	20705	Tl-208	0.422	0.013	0.016	0.937	1.00 - 3.00
5B-00330	20705	Tm-171	0.2 U	4.6	1.4	72.4	1.00 - 3.00
5B-00329	20707	Ac-227	0.019 U	0.11	0.031	0.217	0.00 - 0.50
5B-00329	20707	Ac-228	1.26	0.056	0.043	2.4	0.00 - 0.50
5B-00329	20707	Am-241	0.0016 U	0.0021	0.0011	0.0454	0.00 - 0.50
5B-00329	20707	Bi-212	0.967	0.1	0.064	2.15	0.00 - 0.50
5B-00329	20707	Bi-214	0.842	0.019	0.031	1.59	0.00 - 0.50
5B-00329	20707	C-14	0.0153	0.03	0.0092	2.96	0.00 - 0.50
5B-00329	20707	Cd-113m	6 U	31	9.3	3030	0.00 - 0.50
5B-00329	20707	Cm-243/244	0.0046	0.0057	0.0022	0.0443	0.00 - 0.50
5B-00329	20707	Cm-245/246	0.0011 U	0.0031	0.0011	0.0401	0.00 - 0.50
5B-00329	20707	Cm-247/248	0.0022 U	0.0082	0.0023	0.0306	0.00 - 0.50
5B-00329	20707	Co-60	0.0027 U	0.014	0.0034	0.028	0.00 - 0.50
5B-00329	20707	Cs-134	0.013 U J	0.036	0.0031	0.0864	0.00 - 0.50
5B-00329	20707	Cs-137	0.0055 J	0.0087	0.0026	0.207	0.00 - 0.50
5B-00329	20707	Eu-152	0.0137 U	0.028	0.0081	0.0566	0.00 - 0.50
5B-00329	20707	Eu-154	0.0019 U	0.067	0.0021	0.15	0.00 - 0.50
5B-00329	20707	Eu-155	0.078 SK	0.029	0.013	0.231	0.00 - 0.50
5B-00329	20707	H-3	0.141	0.042	0.022	11.9	0.00 - 0.50
5B-00329	20707	Ho-166m	0.0196 SK	0.018	0.005	0.0432	0.00 - 0.50
5B-00329	20707	K-40	22	0.1	0.72	32.4	0.00 - 0.50
5B-00329	20707	Na-22	0.0006 U	0.021	0.0062	0.037	0.00 - 0.50
5B-00329	20707	Nb-94	0.0047 U	0.01	0.0031	0.0214	0.00 - 0.50
5B-00329	20707	Ni-59	0 U	0.46	0.0996	5.96	0.00 - 0.50
5B-00329	20707	Ni-63	0.26 U	0.66	0.2	4.92	0.00 - 0.50
5B-00329	20707	Np-236	-0.01 U	0.025	0.0075	0.047	0.00 - 0.50
5B-00329	20707	Np-239	0.002 U	0.07	0.021	0.139	0.00 - 0.50
5B-00329	20707	Pa-231	-0.07 U	0.43	0.13	0.936	0.00 - 0.50
5B-00329	20707	Pb-212	1.56	0.019	0.082	2.69	0.00 - 0.50
5B-00329	20707	Pb-214	0.969	0.019	0.036	1.7	0.00 - 0.50
5B-00329	20707	Pu-236	0.0007 U	0.002	0.0007	7.79	0.00 - 0.50
5B-00329	20707	Pu-238	0.001 U	0.0043	0.0011	0.0415	0.00 - 0.50
5B-00329	20707	Pu-239/240	0.0014 U	0.002	0.001	0.0404	0.00 - 0.50
5B-00329	20707	Pu-244	0.0025	0.0043	0.0015	0.0313	0.00 - 0.50
5B-00329	20707	Sb-125	0.141 JSK	0.031	0.0092	0.354	0.00 - 0.50
5B-00329	20707	Sn-126	-9E-04 U	0.012	0.0035	0.0237	0.00 - 0.50
5B-00329	20707	Sr-90	-0.003 U	0.047	0.013	0.485	0.00 - 0.50
5B-00329	20707	Tc-99	-0.056 U	0.26	0.08	1.63	0.00 - 0.50
5B-00329	20707	Te-125m	0.0326 JSK	0.0071	0.0021	0.0838	0.00 - 0.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00329	20707	Th-228	1.34	0.02	0.068	3.98	0.00 - 0.50
5B-00329	20707	Th-229	0.0142	0.0078	0.0039	0.145	0.00 - 0.50
5B-00329	20707	Th-230	0.952	0.003	0.051	2.2	0.00 - 0.50
5B-00329	20707	Th-232	1.22	0.008	0.063	3.1	0.00 - 0.50
5B-00329	20707	Th-234	1.37 R	0.12	0.076	3.19	0.00 - 0.50
5B-00329	20707	Tl-208	0.456	0.013	0.018	0.937	0.00 - 0.50
5B-00329	20707	Tm-171	-4.6 U J	3.9	1.2	72.4	0.00 - 0.50
5B-00329	20707	U-233/234	0.883	0.01	0.049	2.02	0.00 - 0.50
5B-00329	20707	U-235/236	0.0403	0.0038	0.0077	0.151	0.00 - 0.50
5B-00329	20707	U-238	0.822	0.008	0.046	1.8	0.00 - 0.50
5B-00329	20708	Ac-227	0.014 U	0.14	0.05	0.217	1.00 - 5.00
5B-00329	20708	Ac-228	1.12	0.094	0.041	2.4	1.00 - 5.00
5B-00329	20708	Am-241	0 U	0.0028	0.0012	0.0454	1.00 - 5.00
5B-00329	20708	Bi-212	1.02	0.13	0.08	2.15	1.00 - 5.00
5B-00329	20708	Bi-214	0.654	0.026	0.026	1.59	1.00 - 5.00
5B-00329	20708	Cd-113m	-0.8 U	39	12	3030	1.00 - 5.00
5B-00329	20708	Cm-243/244	0.0021 U	0.0028	0.0015	0.0443	1.00 - 5.00
5B-00329	20708	Cm-245/246	0.0051 J	0.0023	0.0021	0.0401	1.00 - 5.00
5B-00329	20708	Cm-247/248	0 U	0.0061	0.0012	0.0306	1.00 - 5.00
5B-00329	20708	Co-60	0.0022 U	0.018	0.0052	0.028	1.00 - 5.00
5B-00329	20708	Cs-134	0.009 U	0.043	0.0034	0.0864	1.00 - 5.00
5B-00329	20708	Cs-137	0.0076	0.015	0.0047	0.207	1.00 - 5.00
5B-00329	20708	Eu-152	0.031 K R	0.027	0.013	0.0566	1.00 - 5.00
5B-00329	20708	Eu-154	0.014 U	0.078	0.012	0.15	1.00 - 5.00
5B-00329	20708	Eu-155	0.079 SK	0.031	0.013	0.231	1.00 - 5.00
5B-00329	20708	Ho-166m	0.0089 U	0.021	0.0058	0.0432	1.00 - 5.00
5B-00329	20708	K-40	20.6	0.12	0.62	32.4	1.00 - 5.00
5B-00329	20708	Na-22	-2E-04 U	0.023	0.0069	0.037	1.00 - 5.00
5B-00329	20708	Nb-94	0.0026 U	0.013	0.0032	0.0214	1.00 - 5.00
5B-00329	20708	Np-236	-0.005 U	0.028	0.0085	0.047	1.00 - 5.00
5B-00329	20708	Np-239	0.021 U	0.08	0.024	0.139	1.00 - 5.00
5B-00329	20708	Pa-231	-0.05 U	0.54	0.16	0.936	1.00 - 5.00
5B-00329	20708	Pb-212	1.42 J	0.023	0.058	2.69	1.00 - 5.00
5B-00329	20708	Pb-214	0.738	0.024	0.026	1.7	1.00 - 5.00
5B-00329	20708	Pu-236	0.0008 U	0.0021	0.0008	7.79	1.00 - 5.00
5B-00329	20708	Pu-238	0.0023	0.0021	0.0013	0.0415	1.00 - 5.00
5B-00329	20708	Pu-239/240	0.0008 U	0.0021	0.0008	0.0404	1.00 - 5.00
5B-00329	20708	Pu-244	0.0023	0.0021	0.0013	0.0313	1.00 - 5.00
5B-00329	20708	Sb-125	0.107 SK	0.036	0.0088	0.354	1.00 - 5.00
5B-00329	20708	Sn-126	0.0002 U	0.016	0.0048	0.0237	1.00 - 5.00
5B-00329	20708	Sr-90	0.0154 U	0.03	0.0093	0.485	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00329	20708	Te-125m	0.0247 SK	0.0084	0.002	0.0838	1.00 - 5.00
5B-00329	20708	Th-228	1.35	0.015	0.066	3.98	1.00 - 5.00
5B-00329	20708	Th-229	0.0108	0.007	0.0033	0.145	1.00 - 5.00
5B-00329	20708	Th-230	0.82	0.009	0.044	2.2	1.00 - 5.00
5B-00329	20708	Th-232	1.29	0.006	0.064	3.1	1.00 - 5.00
5B-00329	20708	Th-234	1.2 R	0.13	0.071	3.19	1.00 - 5.00
5B-00329	20708	Tl-208	0.449	0.016	0.017	0.937	1.00 - 5.00
5B-00329	20708	Tm-171	0.2 U	4.1	1.2	72.4	1.00 - 5.00
5B-00336	20710	Ac-227	0.042 U	0.13	0.035	0.217	1.00 - 5.00
5B-00336	20710	Ac-228	1.15	0.086	0.042	2.4	1.00 - 5.00
5B-00336	20710	Am-241	0 U	0.003	0.0013	0.0454	1.00 - 5.00
5B-00336	20710	Bi-212	1.06	0.12	0.073	2.15	1.00 - 5.00
5B-00336	20710	Bi-214	0.851	0.026	0.031	1.59	1.00 - 5.00
5B-00336	20710	C-14	0.0027 U	0.029	0.0089	2.96	1.00 - 5.00
5B-00336	20710	Cd-113m	-3 U	39	12	3030	1.00 - 5.00
5B-00336	20710	Cm-243/244	0.0011 U	0.003	0.0011	0.0443	1.00 - 5.00
5B-00336	20710	Cm-245/246	0.0035	0.0085	0.0027	0.0401	1.00 - 5.00
5B-00336	20710	Cm-247/248	0.0023 U	0.0031	0.0016	0.0306	1.00 - 5.00
5B-00336	20710	Co-60	-0.001 U	0.019	0.0057	0.028	1.00 - 5.00
5B-00336	20710	Cs-134	0.0091 U	0.046	0.0043	0.0864	1.00 - 5.00
5B-00336	20710	Cs-137	0.0019 U	0.015	0.0045	0.207	1.00 - 5.00
5B-00336	20710	Eu-152	-0.011 U	0.035	0.011	0.0566	1.00 - 5.00
5B-00336	20710	Eu-154	-0.04 U	0.1	0.031	0.15	1.00 - 5.00
5B-00336	20710	Eu-155	0.078 SK	0.031	0.013	0.231	1.00 - 5.00
5B-00336	20710	H-3	0.033 U	0.23	0.068	11.9	1.00 - 5.00
5B-00336	20710	Ho-166m	-0.002 U	0.024	0.0071	0.0432	1.00 - 5.00
5B-00336	20710	K-40	21.6	0.13	0.65	32.4	1.00 - 5.00
5B-00336	20710	Na-22	-4E-04 U	0.024	0.0071	0.037	1.00 - 5.00
5B-00336	20710	Nb-94	0.0067 SK	0.013	0.004	0.0214	1.00 - 5.00
5B-00336	20710	Ni-59	0 U	0.22	0.055	5.96	1.00 - 5.00
5B-00336	20710	Ni-63	-0.07 U	0.65	0.2	4.92	1.00 - 5.00
5B-00336	20710	Np-236	-0.009 U	0.029	0.0089	0.047	1.00 - 5.00
5B-00336	20710	Np-239	-0.02 U	0.077	0.023	0.139	1.00 - 5.00
5B-00336	20710	Pa-231	-0.1 U	0.54	0.16	0.936	1.00 - 5.00
5B-00336	20710	Pb-212	1.47	0.022	0.06	2.69	1.00 - 5.00
5B-00336	20710	Pb-214	0.921	0.024	0.032	1.7	1.00 - 5.00
5B-00336	20710	Pu-236	-0.002 U	0.0079	0.0012	7.79	1.00 - 5.00
5B-00336	20710	Pu-238	0.003	0.0058	0.0019	0.0415	1.00 - 5.00
5B-00336	20710	Pu-239/240	0.0003 U	0.0047	0.001	0.0404	1.00 - 5.00
5B-00336	20710	Pu-244	0.0016	0.0022	0.0011	0.0313	1.00 - 5.00
5B-00336	20710	Sb-125	0.0965 SK	0.038	0.0081	0.354	1.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00336	20710	Sn-126	0 U	0.016	0.0054	0.0237	1.00 - 5.00
5B-00336	20710	Sr-90	-0.017 U	0.044	0.012	0.485	1.00 - 5.00
5B-00336	20710	Tc-99	-0.022 U	0.27	0.081	1.63	1.00 - 5.00
5B-00336	20710	Te-125m	0.0223 SK	0.0087	0.0019	0.0838	1.00 - 5.00
5B-00336	20710	Th-228	1.29	0.015	0.065	3.98	1.00 - 5.00
5B-00336	20710	Th-229	0.0039 U	0.013	0.0038	0.145	1.00 - 5.00
5B-00336	20710	Th-230	0.94	0.011	0.05	2.2	1.00 - 5.00
5B-00336	20710	Th-232	1.2	0.007	0.061	3.1	1.00 - 5.00
5B-00336	20710	Th-234	0.711 R	0.13	0.049	3.19	1.00 - 5.00
5B-00336	20710	Tl-208	0.463	0.017	0.018	0.937	1.00 - 5.00
5B-00336	20710	Tm-171	-2.3 U	5	1.5	72.4	1.00 - 5.00
5B-00336	20710	U-233/234	0.63	0.007	0.034	2.02	1.00 - 5.00
5B-00336	20710	U-235/236	0.0239	0.007	0.0051	0.151	1.00 - 5.00
5B-00336	20710	U-238	0.614	0.006	0.034	1.8	1.00 - 5.00
5B-00337	20711	Ac-227	0.027 U	0.14	0.019	0.217	1.00 - 3.83
5B-00337	20711	Ac-228	1.16	0.076	0.042	2.4	1.00 - 3.83
5B-00337	20711	Am-241	0.0009 U	0.0069	0.0017	0.0454	1.00 - 3.83
5B-00337	20711	Bi-212	0.866	0.12	0.067	2.15	1.00 - 3.83
5B-00337	20711	Bi-214	0.753	0.027	0.029	1.59	1.00 - 3.83
5B-00337	20711	C-14	0.021	0.041	0.013	2.96	1.00 - 3.83
5B-00337	20711	Cd-113m	15 U	40	12	3030	1.00 - 3.83
5B-00337	20711	Cm-243/244	0 U	0.0067	0.0014	0.0443	1.00 - 3.83
5B-00337	20711	Cm-245/246	0.0029	0.0027	0.0017	0.0401	1.00 - 3.83
5B-00337	20711	Cm-247/248	-0.001 U	0.0071	0.0011	0.0306	1.00 - 3.83
5B-00337	20711	Co-60	0.0014 U	0.017	0.0049	0.028	1.00 - 3.83
5B-00337	20711	Cs-134	0.0111 U	0.053	0.0039	0.0864	1.00 - 3.83
5B-00337	20711	Cs-137	0.119	0.011	0.0059	0.207	1.00 - 3.83
5B-00337	20711	Eu-152	0.0154 U	0.039	0.008	0.0566	1.00 - 3.83
5B-00337	20711	Eu-154	-0.019 U	0.096	0.029	0.15	1.00 - 3.83
5B-00337	20711	Eu-155	0.05 SK	0.046	0.02	0.231	1.00 - 3.83
5B-00337	20711	H-3	0.007 U	0.23	0.069	11.9	1.00 - 3.83
5B-00337	20711	Ho-166m	0.0323 SK	0.024	0.0046	0.0432	1.00 - 3.83
5B-00337	20711	K-40	21.8	0.12	0.65	32.4	1.00 - 3.83
5B-00337	20711	Na-22	0.0069 U	0.021	0.0062	0.037	1.00 - 3.83
5B-00337	20711	Nb-94	0.0009 U	0.014	0.0029	0.0214	1.00 - 3.83
5B-00337	20711	Ni-59	0 U	0.22	0.055	5.96	1.00 - 3.83
5B-00337	20711	Ni-63	-0.27 U	0.56	0.16	4.92	1.00 - 3.83
5B-00337	20711	Np-236	-0.011 U	0.034	0.01	0.047	1.00 - 3.83
5B-00337	20711	Np-239	0.001 U	0.088	0.026	0.139	1.00 - 3.83
5B-00337	20711	Pa-231	0.16 U	0.39	0.11	0.936	1.00 - 3.83
5B-00337	20711	Pb-212	1.35	0.025	0.041	2.69	1.00 - 3.83

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00337	20711	Pb-214	0.791	0.021	0.034	1.7	1.00 - 3.83
5B-00337	20711	Pu-236	-8E-04 U	0.0075	0.0016	7.79	1.00 - 3.83
5B-00337	20711	Pu-238	-2E-04 U	0.0085	0.002	0.0415	1.00 - 3.83
5B-00337	20711	Pu-239/240	0.0018	0.0045	0.0014	0.0404	1.00 - 3.83
5B-00337	20711	Pu-244	-2E-04 U	0.0055	0.001	0.0313	1.00 - 3.83
5B-00337	20711	Sb-125	0.159 SK	0.039	0.012	0.354	1.00 - 3.83
5B-00337	20711	Sn-126	0 U	0.015	0.0046	0.0237	1.00 - 3.83
5B-00337	20711	Sr-90	0.044	0.046	0.015	0.485	1.00 - 3.83
5B-00337	20711	Tc-99	-0.059 U	0.27	0.082	1.63	1.00 - 3.83
5B-00337	20711	Te-125m	0.0367 SK	0.0091	0.0028	0.0838	1.00 - 3.83
5B-00337	20711	Th-228	1.25	0.023	0.066	3.98	1.00 - 3.83
5B-00337	20711	Th-229	0.0101	0.0074	0.0036	0.145	1.00 - 3.83
5B-00337	20711	Th-230	0.742	0.009	0.044	2.2	1.00 - 3.83
5B-00337	20711	Th-232	1.15	0.003	0.061	3.1	1.00 - 3.83
5B-00337	20711	Th-234	1.15 R	0.2	0.073	3.19	1.00 - 3.83
5B-00337	20711	Tl-208	0.459	0.015	0.017	0.937	1.00 - 3.83
5B-00337	20711	Tm-171	-10.6 U J	8.7	2.7	72.4	1.00 - 3.83
5B-00337	20711	U-233/234	0.556	0.003	0.033	2.02	1.00 - 3.83
5B-00337	20711	U-235/236	0.0246	0.0091	0.0059	0.151	1.00 - 3.83
5B-00337	20711	U-238	0.585	0.009	0.034	1.8	1.00 - 3.83
5B-00338	20712	Ac-227	0.049 U	0.1	0.031	0.217	2.50 - 7.50
5B-00338	20712	Ac-228	0.993	0.056	0.035	2.4	2.50 - 7.50
5B-00338	20712	Am-241	0 U	0.0045	0.0009	0.0454	2.50 - 7.50
5B-00338	20712	Bi-212	0.702	0.077	0.047	2.15	2.50 - 7.50
5B-00338	20712	Bi-214	0.587	0.018	0.023	1.59	2.50 - 7.50
5B-00338	20712	C-14	0.0129 U	0.03	0.0092	2.96	2.50 - 7.50
5B-00338	20712	Cd-113m	3.9 U	30	9	3030	2.50 - 7.50
5B-00338	20712	Cm-243/244	0.0018	0.0016	0.001	0.0443	2.50 - 7.50
5B-00338	20712	Cm-245/246	-2E-04 U	0.0079	0.0014	0.0401	2.50 - 7.50
5B-00338	20712	Cm-247/248	0.0004 U	0.0063	0.0012	0.0306	2.50 - 7.50
5B-00338	20712	Co-60	0.0013 U	0.012	0.002	0.028	2.50 - 7.50
5B-00338	20712	Cs-134	0.0133 U	0.028	0.0032	0.0864	2.50 - 7.50
5B-00338	20712	Cs-137	-2E-04 U	0.012	0.0037	0.207	2.50 - 7.50
5B-00338	20712	Eu-152	0.0015 U	0.027	0.0083	0.0566	2.50 - 7.50
5B-00338	20712	Eu-154	0.002 U	0.064	0.019	0.15	2.50 - 7.50
5B-00338	20712	Eu-155	0.062 SK	0.024	0.01	0.231	2.50 - 7.50
5B-00338	20712	H-3	0.009 U	0.21	0.061	11.9	2.50 - 7.50
5B-00338	20712	Ho-166m	-0.003 U	0.018	0.0032	0.0432	2.50 - 7.50
5B-00338	20712	K-40	22.8	0.11	0.75	32.4	2.50 - 7.50
5B-00338	20712	Na-22	-0.002 U	0.015	0.0046	0.037	2.50 - 7.50
5B-00338	20712	Nb-94	0.0009 U	0.0098	0.001	0.0214	2.50 - 7.50

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00338	20712	Ni-59	0 U	0.14	0.039	5.96	2.50 - 7.50
5B-00338	20712	Ni-63	-0.16 U	0.52	0.15	4.92	2.50 - 7.50
5B-00338	20712	Np-236	-0.011 U	0.024	0.0073	0.047	2.50 - 7.50
5B-00338	20712	Np-239	0.002 U	0.067	0.02	0.139	2.50 - 7.50
5B-00338	20712	Pa-231	0.04 U	0.43	0.13	0.936	2.50 - 7.50
5B-00338	20712	Pb-212	1.14	0.015	0.06	2.69	2.50 - 7.50
5B-00338	20712	Pb-214	0.647	0.02	0.025	1.7	2.50 - 7.50
5B-00338	20712	Pu-238	-0.002 U	0.0064	0.0008	0.0415	2.50 - 7.50
5B-00338	20712	Pu-239/240	-4E-04 U	0.0041	0.0004	0.0404	2.50 - 7.50
5B-00338	20712	Pu-244	0.0007 U	0.0019	0.0007	0.0313	2.50 - 7.50
5B-00338	20712	Sb-125	0.0873 SK	0.026	0.0069	0.354	2.50 - 7.50
5B-00338	20712	Sn-126	0.0037 U	0.0098	0.003	0.0237	2.50 - 7.50
5B-00338	20712	Sr-90	0.012 U	0.04	0.012	0.485	2.50 - 7.50
5B-00338	20712	Tc-99	-0.054 U	0.31	0.093	1.63	2.50 - 7.50
5B-00338	20712	Te-125m	0.0202 SK	0.006	0.0016	0.0838	2.50 - 7.50
5B-00338	20712	Th-228	1.07	0.013	0.054	3.98	2.50 - 7.50
5B-00338	20712	Th-229	0.0031 U	0.011	0.0031	0.145	2.50 - 7.50
5B-00338	20712	Th-230	0.629	0.002	0.035	2.2	2.50 - 7.50
5B-00338	20712	Th-232	1.04	0.007	0.053	3.1	2.50 - 7.50
5B-00338	20712	Th-234	1.11 R	0.11	0.068	3.19	2.50 - 7.50
5B-00338	20712	Tl-208	0.327	0.011	0.013	0.937	2.50 - 7.50
5B-00338	20712	Tm-171	-2.9 U J	3.2	0.99	72.4	2.50 - 7.50
5B-00338	20712	U-233/234	0.518	0.008	0.031	2.02	2.50 - 7.50
5B-00338	20712	U-235/236	0.028	0.003	0.0057	0.151	2.50 - 7.50
5B-00338	20712	U-238	0.518	0.007	0.031	1.8	2.50 - 7.50
5B-00341	20713	Ac-227	0.328 KRZ	0.11	0.018	0.217	3.00 - 5.00
5B-00341	20713	Ac-228	1.02	0.061	0.037	2.4	3.00 - 5.00
5B-00341	20713	Am-241	0.0007 U	0.0048	0.0012	0.0454	3.00 - 5.00
5B-00341	20713	Bi-212	0.729	0.094	0.06	2.15	3.00 - 5.00
5B-00341	20713	Bi-214	0.72	0.022	0.028	1.59	3.00 - 5.00
5B-00341	20713	C-14	0.0035 U	0.029	0.0088	2.96	3.00 - 5.00
5B-00341	20713	Cd-113m	0.2 U	32	9.7	3030	3.00 - 5.00
5B-00341	20713	Cm-243/244	-6E-04 U	0.006	0.0012	0.0443	3.00 - 5.00
5B-00341	20713	Cm-245/246	-7E-04 U	0.0066	0.0007	0.0401	3.00 - 5.00
5B-00341	20713	Cm-247/248	0.0011 U	0.0029	0.0011	0.0306	3.00 - 5.00
5B-00341	20713	Co-60	0.0035 U	0.014	0.0033	0.028	3.00 - 5.00
5B-00341	20713	Cs-134	0.0139 U	0.036	0.0049	0.0864	3.00 - 5.00
5B-00341	20713	Cs-137	-0.007 U	0.013	0.004	0.207	3.00 - 5.00
5B-00341	20713	Eu-152	-0.014 U	0.03	0.009	0.0566	3.00 - 5.00
5B-00341	20713	Eu-154	-0.035 U	0.077	0.023	0.15	3.00 - 5.00
5B-00341	20713	Eu-155	0.062 SK	0.026	0.011	0.231	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00341	20713	H-3	0.025 U	0.2	0.061	11.9	3.00 - 5.00
5B-00341	20713	Ho-166m	0.005 U	0.019	0.0028	0.0432	3.00 - 5.00
5B-00341	20713	K-40	21.9	0.13	0.73	32.4	3.00 - 5.00
5B-00341	20713	Na-22	-7E-04 U	0.015	0.0044	0.037	3.00 - 5.00
5B-00341	20713	Nb-94	0.0034 U	0.011	0.0033	0.0214	3.00 - 5.00
5B-00341	20713	Ni-59	0 U	0.17	0.046	5.96	3.00 - 5.00
5B-00341	20713	Ni-63	-0.22 U	0.62	0.18	4.92	3.00 - 5.00
5B-00341	20713	Np-236	-0.005 U	0.026	0.0079	0.047	3.00 - 5.00
5B-00341	20713	Np-239	-4E-04 U	0.052	0.015	0.139	3.00 - 5.00
5B-00341	20713	Pa-231	-0.1 U	0.5	0.15	0.936	3.00 - 5.00
5B-00341	20713	Pb-212	1.14	0.016	0.06	2.69	3.00 - 5.00
5B-00341	20713	Pb-214	0.81	0.023	0.032	1.7	3.00 - 5.00
5B-00341	20713	Pu-238	0.002	0.0018	0.0012	0.0415	3.00 - 5.00
5B-00341	20713	Pu-239/240	0.0016	0.004	0.0012	0.0404	3.00 - 5.00
5B-00341	20713	Pu-244	0.0033	0.0018	0.0015	0.0313	3.00 - 5.00
5B-00341	20713	Sb-125	0.1 SK	0.03	0.008	0.354	3.00 - 5.00
5B-00341	20713	Sn-126	0.0003 U	0.013	0.0037	0.0237	3.00 - 5.00
5B-00341	20713	Sr-90	-0.007 U	0.043	0.012	0.485	3.00 - 5.00
5B-00341	20713	Tc-99	-0.012 U	0.3	0.091	1.63	3.00 - 5.00
5B-00341	20713	Te-125m	0.0231 SK	0.0069	0.0019	0.0838	3.00 - 5.00
5B-00341	20713	Th-228	1.05	0.015	0.054	3.98	3.00 - 5.00
5B-00341	20713	Th-229	0.0033	0.0079	0.0024	0.145	3.00 - 5.00
5B-00341	20713	Th-230	0.808	0.003	0.044	2.2	3.00 - 5.00
5B-00341	20713	Th-232	1	0.009	0.052	3.1	3.00 - 5.00
5B-00341	20713	Th-234	1.24 R	0.13	0.075	3.19	3.00 - 5.00
5B-00341	20713	Tl-208	0.344	0.013	0.014	0.937	3.00 - 5.00
5B-00341	20713	Tm-171	-0.9 U	4.4	1.3	72.4	3.00 - 5.00
5B-00341	20713	U-233/234	0.623	0.002	0.033	2.02	3.00 - 5.00
5B-00341	20713	U-235/236	0.025	0.0063	0.0049	0.151	3.00 - 5.00
5B-00341	20713	U-238	0.626	0.002	0.034	1.8	3.00 - 5.00
5B-00342	20714	Ac-227	0.029 U	0.12	0.035	0.217	3.00 - 5.00
5B-00342	20714	Ac-228	1.02	0.061	0.037	2.4	3.00 - 5.00
5B-00342	20714	Am-241	0.0024	0.0044	0.0015	0.0454	3.00 - 5.00
5B-00342	20714	Bi-212	0.768	0.099	0.065	2.15	3.00 - 5.00
5B-00342	20714	Bi-214	0.736	0.021	0.029	1.59	3.00 - 5.00
5B-00342	20714	C-14	-0.003 U	0.025	0.0076	2.96	3.00 - 5.00
5B-00342	20714	Cd-113m	-5.4 U	33	9.8	3030	3.00 - 5.00
5B-00342	20714	Cm-243/244	-6E-04 U	0.0044	0.0007	0.0443	3.00 - 5.00
5B-00342	20714	Cm-245/246	0.0013 U	0.0034	0.0013	0.0401	3.00 - 5.00
5B-00342	20714	Cm-247/248	0.0012 U	0.0033	0.0012	0.0306	3.00 - 5.00
5B-00342	20714	Co-60	0.001 U	0.014	0.0029	0.028	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00342	20714	Cs-134	0.0083 U	0.037	0.0025	0.0864	3.00 - 5.00
5B-00342	20714	Cs-137	-0.005 U	0.013	0.004	0.207	3.00 - 5.00
5B-00342	20714	Eu-152	0.0009 U	0.028	0.0085	0.0566	3.00 - 5.00
5B-00342	20714	Eu-154	-0.015 U	0.08	0.024	0.15	3.00 - 5.00
5B-00342	20714	Eu-155	0.059 SK	0.026	0.01	0.231	3.00 - 5.00
5B-00342	20714	H-3	0.058 U	0.21	0.063	11.9	3.00 - 5.00
5B-00342	20714	Ho-166m	0.0079 U	0.019	0.0054	0.0432	3.00 - 5.00
5B-00342	20714	K-40	22.1	0.14	0.73	32.4	3.00 - 5.00
5B-00342	20714	Na-22	0.0004 U	0.018	0.0053	0.037	3.00 - 5.00
5B-00342	20714	Nb-94	0.0043 U	0.011	0.0033	0.0214	3.00 - 5.00
5B-00342	20714	Ni-59	0 U	0.16	0.043	5.96	3.00 - 5.00
5B-00342	20714	Ni-63	-0.17 U	0.58	0.17	4.92	3.00 - 5.00
5B-00342	20714	Np-236	-0.007 U	0.026	0.008	0.047	3.00 - 5.00
5B-00342	20714	Np-239	-0.003 U	0.076	0.023	0.139	3.00 - 5.00
5B-00342	20714	Pa-231	0.08 U	0.5	0.15	0.936	3.00 - 5.00
5B-00342	20714	Pb-212	1.09	0.024	0.058	2.69	3.00 - 5.00
5B-00342	20714	Pb-214	0.833	0.02	0.032	1.7	3.00 - 5.00
5B-00342	20714	Pu-238	-8E-04 U	0.0048	0.0006	0.0415	3.00 - 5.00
5B-00342	20714	Pu-239/240	0.0012 U	0.0049	0.0013	0.0404	3.00 - 5.00
5B-00342	20714	Pu-244	-1E-04 U	0.0048	0.0009	0.0313	3.00 - 5.00
5B-00342	20714	Sb-125	0.0883 SK	0.03	0.0068	0.354	3.00 - 5.00
5B-00342	20714	Sn-126	-0.002 U	0.013	0.0039	0.0237	3.00 - 5.00
5B-00342	20714	Sr-90	0.056	0.042	0.014	0.485	3.00 - 5.00
5B-00342	20714	Tc-99	-0.078 U	0.3	0.09	1.63	3.00 - 5.00
5B-00342	20714	Te-125m	0.0204 SK	0.007	0.0016	0.0838	3.00 - 5.00
5B-00342	20714	Th-228	1.11	0.013	0.056	3.98	3.00 - 5.00
5B-00342	20714	Th-229	0.0023 U	0.0085	0.0023	0.145	3.00 - 5.00
5B-00342	20714	Th-230	0.82	0.008	0.044	2.2	3.00 - 5.00
5B-00342	20714	Th-232	1.12	0.008	0.057	3.1	3.00 - 5.00
5B-00342	20714	Th-234	1.34 R	0.13	0.078	3.19	3.00 - 5.00
5B-00342	20714	Tl-208	0.35	0.012	0.014	0.937	3.00 - 5.00
5B-00342	20714	Tm-171	-1.2 U	4.5	1.4	72.4	3.00 - 5.00
5B-00342	20714	U-233/234	0.685	0.007	0.037	2.02	3.00 - 5.00
5B-00342	20714	U-235/236	0.0312	0.0091	0.006	0.151	3.00 - 5.00
5B-00342	20714	U-238	0.742	0.006	0.039	1.8	3.00 - 5.00
5B-00340	20715	Ac-227	0.054 U	0.13	0.037	0.217	3.00 - 5.00
5B-00340	20715	Ac-228	0.97	0.095	0.038	2.4	3.00 - 5.00
5B-00340	20715	Am-241	-7E-04 U	0.0063	0.0013	0.0454	3.00 - 5.00
5B-00340	20715	Bi-212	0.761	0.1	0.059	2.15	3.00 - 5.00
5B-00340	20715	Bi-214	0.831	0.028	0.031	1.59	3.00 - 5.00
5B-00340	20715	C-14	0.012	0.022	0.0067	2.96	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00340	20715	Cd-113m	1 U	39	12	3030	3.00 - 5.00
5B-00340	20715	Cm-243/244	0.0027	0.0018	0.0013	0.0443	3.00 - 5.00
5B-00340	20715	Cm-245/246	-0.001 U	0.0078	0.0009	0.0401	3.00 - 5.00
5B-00340	20715	Cm-247/248	0.0004 U	0.0063	0.0012	0.0306	3.00 - 5.00
5B-00340	20715	Co-60	-0.005 U	0.016	0.0049	0.028	3.00 - 5.00
5B-00340	20715	Cs-134	0.0114 U	0.043	0.004	0.0864	3.00 - 5.00
5B-00340	20715	Cs-137	-5E-04 U	0.019	0.0058	0.207	3.00 - 5.00
5B-00340	20715	Eu-152	0.0136 U	0.032	0.0068	0.0566	3.00 - 5.00
5B-00340	20715	Eu-154	0.014 U	0.1	0.03	0.15	3.00 - 5.00
5B-00340	20715	Eu-155	0.085 SK	0.032	0.014	0.231	3.00 - 5.00
5B-00340	20715	H-3	0.077 U	0.21	0.064	11.9	3.00 - 5.00
5B-00340	20715	Ho-166m	0.0094 U	0.024	0.0094	0.0432	3.00 - 5.00
5B-00340	20715	K-40	21.3	0.17	0.65	32.4	3.00 - 5.00
5B-00340	20715	Na-22	-0.001 U	0.021	0.0063	0.037	3.00 - 5.00
5B-00340	20715	Nb-94	0.0028 U	0.012	0.0027	0.0214	3.00 - 5.00
5B-00340	20715	Ni-59	0 U L	0.17	0.046	5.96	3.00 - 5.00
5B-00340	20715	Ni-63	0.006 U	0.53	0.16	4.92	3.00 - 5.00
5B-00340	20715	Np-236	-7E-04 U	0.029	0.0086	0.047	3.00 - 5.00
5B-00340	20715	Np-239	0.016 U	0.082	0.025	0.139	3.00 - 5.00
5B-00340	20715	Pa-231	0.003 U	0.46	0.14	0.936	3.00 - 5.00
5B-00340	20715	Pb-212	1.03	0.022	0.032	2.69	3.00 - 5.00
5B-00340	20715	Pb-214	0.873	0.027	0.037	1.7	3.00 - 5.00
5B-00340	20715	Pu-238	0.0017	0.0042	0.0013	0.0415	3.00 - 5.00
5B-00340	20715	Pu-239/240	0.0007 U	0.0019	0.0007	0.0404	3.00 - 5.00
5B-00340	20715	Pu-244	0.0007 U	0.0019	0.0007	0.0313	3.00 - 5.00
5B-00340	20715	Sb-125	0.036 LRSK	0.03	0.013	0.354	3.00 - 5.00
5B-00340	20715	Sn-126	-0.002 U	0.016	0.0047	0.0237	3.00 - 5.00
5B-00340	20715	Sr-90	0.065	0.041	0.014	0.485	3.00 - 5.00
5B-00340	20715	Tc-99	-0.084 U	0.32	0.096	1.63	3.00 - 5.00
5B-00340	20715	Te-125m	0.0083 LRSK	0.007	0.0031	0.0838	3.00 - 5.00
5B-00340	20715	Th-228	1.05	0.021	0.056	3.98	3.00 - 5.00
5B-00340	20715	Th-229	0.0072	0.013	0.0044	0.145	3.00 - 5.00
5B-00340	20715	Th-230	0.905	0.01	0.049	2.2	3.00 - 5.00
5B-00340	20715	Th-232	1.02	0.012	0.054	3.1	3.00 - 5.00
5B-00340	20715	Th-234	1.51 R	0.15	0.08	3.19	3.00 - 5.00
5B-00340	20715	Tl-208	0.353	0.016	0.015	0.937	3.00 - 5.00
5B-00340	20715	Tm-171	-0.003 U	5.1	1.5	72.4	3.00 - 5.00
5B-00340	20715	U-233/234	0.639	0.002	0.035	2.02	3.00 - 5.00
5B-00340	20715	U-235/236	0.038	0.0028	0.0064	0.151	3.00 - 5.00
5B-00340	20715	U-238	0.643	0.002	0.035	1.8	3.00 - 5.00
5B-00339	20716	Ac-227	-0.039 U	0.085	0.026	0.217	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00339	20716	Ac-228	0.929	0.051	0.039	2.4	3.00 - 5.00
5B-00339	20716	Am-241	0.0014 U	0.0074	0.002	0.0454	3.00 - 5.00
5B-00339	20716	Bi-212	0.591	0.079	0.046	2.15	3.00 - 5.00
5B-00339	20716	Bi-214	0.765	0.018	0.029	1.59	3.00 - 5.00
5B-00339	20716	C-14	0.0029 U	0.024	0.0072	2.96	3.00 - 5.00
5B-00339	20716	Cd-113m	-12.1 U	30	9.1	3030	3.00 - 5.00
5B-00339	20716	Cm-243/244	0.0007 U	0.0049	0.0012	0.0443	3.00 - 5.00
5B-00339	20716	Cm-245/246	0.0005 U	0.0069	0.0014	0.0401	3.00 - 5.00
5B-00339	20716	Cm-247/248	0.0016 U	0.0068	0.0018	0.0306	3.00 - 5.00
5B-00339	20716	Co-60	-1E-04 U	0.013	0.004	0.028	3.00 - 5.00
5B-00339	20716	Cs-134	0.0042 U	0.032	0.0097	0.0864	3.00 - 5.00
5B-00339	20716	Cs-137	-0.005 U	0.012	0.0036	0.207	3.00 - 5.00
5B-00339	20716	Eu-152	0.0108 U	0.027	0.008	0.0566	3.00 - 5.00
5B-00339	20716	Eu-154	-0.002 U	0.069	0.021	0.15	3.00 - 5.00
5B-00339	20716	Eu-155	0.063 SK	0.026	0.011	0.231	3.00 - 5.00
5B-00339	20716	H-3	0.037 U	0.2	0.061	11.9	3.00 - 5.00
5B-00339	20716	Ho-166m	0.0048 U	0.017	0.0025	0.0432	3.00 - 5.00
5B-00339	20716	K-40	21.3	0.1	0.7	32.4	3.00 - 5.00
5B-00339	20716	Na-22	-0.001 U	0.017	0.005	0.037	3.00 - 5.00
5B-00339	20716	Nb-94	0.004 U	0.01	0.0031	0.0214	3.00 - 5.00
5B-00339	20716	Ni-59	0 U L	0.3	0.082	5.96	3.00 - 5.00
5B-00339	20716	Ni-63	0.29 U	0.9	0.27	4.92	3.00 - 5.00
5B-00339	20716	Np-236	-0.007 U	0.024	0.0072	0.047	3.00 - 5.00
5B-00339	20716	Np-239	0.006 U	0.068	0.021	0.139	3.00 - 5.00
5B-00339	20716	Pa-231	-0.05 U	0.44	0.13	0.936	3.00 - 5.00
5B-00339	20716	Pb-212	0.907	0.021	0.049	2.69	3.00 - 5.00
5B-00339	20716	Pb-214	0.869	0.019	0.033	1.7	3.00 - 5.00
5B-00339	20716	Pu-238	0.0028 U	0.0092	0.0026	0.0415	3.00 - 5.00
5B-00339	20716	Pu-239/240	0.0013 U	0.0055	0.0014	0.0404	3.00 - 5.00
5B-00339	20716	Pu-244	0.0046	0.0025	0.0021	0.0313	3.00 - 5.00
5B-00339	20716	Sb-125	0.0825 SK	0.029	0.0067	0.354	3.00 - 5.00
5B-00339	20716	Sn-126	0.0034 U	0.011	0.0035	0.0237	3.00 - 5.00
5B-00339	20716	Sr-90	-0.009 U	0.042	0.012	0.485	3.00 - 5.00
5B-00339	20716	Tc-99	-0.094 U	0.29	0.089	1.63	3.00 - 5.00
5B-00339	20716	Te-125m	0.0191 SK	0.0066	0.0015	0.0838	3.00 - 5.00
5B-00339	20716	Th-228	0.999	0.014	0.052	3.98	3.00 - 5.00
5B-00339	20716	Th-229	0.001 U	0.012	0.0031	0.145	3.00 - 5.00
5B-00339	20716	Th-230	0.915	0.002	0.048	2.2	3.00 - 5.00
5B-00339	20716	Th-232	0.987	0.002	0.051	3.1	3.00 - 5.00
5B-00339	20716	Th-234	1.22 R	0.11	0.07	3.19	3.00 - 5.00
5B-00339	20716	Tl-208	0.276	0.011	0.012	0.937	3.00 - 5.00

Table A.2
Analytical Results Summary
Subarea 5B, Round 1

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00339	20716	Tm-171	-2 U	4	1.2	72.4	3.00 - 5.00
5B-00339	20716	U-233/234	0.616	0.002	0.033	2.02	3.00 - 5.00
5B-00339	20716	U-235/236	0.0376	0.0024	0.0059	0.151	3.00 - 5.00
5B-00339	20716	U-238	0.602	0.002	0.033	1.8	3.00 - 5.00
5B-00343	20717	Ac-227	0.014 U	0.14	0.03	0.217	1.00 - 4.33
5B-00343	20717	Ac-228	1.13	0.076	0.04	2.4	1.00 - 4.33
5B-00343	20717	Am-241	-0.001 U	0.0093	0.0019	0.0454	1.00 - 4.33
5B-00343	20717	Bi-212	0.798	0.094	0.055	2.15	1.00 - 4.33
5B-00343	20717	Bi-214	0.757	0.027	0.029	1.59	1.00 - 4.33
5B-00343	20717	C-14	0.0002 U	0.024	0.0071	2.96	1.00 - 4.33
5B-00343	20717	Cd-113m	-7 U	38	12	3030	1.00 - 4.33
5B-00343	20717	Cm-243/244	0 U	0.0027	0.0011	0.0443	1.00 - 4.33
5B-00343	20717	Cm-245/246	0.0007 U	0.011	0.0022	0.0401	1.00 - 4.33
5B-00343	20717	Cm-247/248	0.0037	0.005	0.0026	0.0306	1.00 - 4.33
5B-00343	20717	Co-60	-0.002 U	0.019	0.0055	0.028	1.00 - 4.33
5B-00343	20717	Cs-134	0.0113 U	0.04	0.0046	0.0864	1.00 - 4.33
5B-00343	20717	Cs-137	-0.003 U	0.016	0.0047	0.207	1.00 - 4.33
5B-00343	20717	Eu-152	0.0108 U	0.037	0.0071	0.0566	1.00 - 4.33
5B-00343	20717	Eu-154	-0.011 U	0.097	0.029	0.15	1.00 - 4.33
5B-00343	20717	Eu-155	0.0231 SK	0.031	0.0096	0.231	1.00 - 4.33
5B-00343	20717	H-3	0.036 U	0.2	0.061	11.9	1.00 - 4.33
5B-00343	20717	Ho-166m	0.0091 SK	0.019	0.0066	0.0432	1.00 - 4.33
5B-00343	20717	K-40	22.8	0.15	0.69	32.4	1.00 - 4.33
5B-00343	20717	Na-22	0.0002 U	0.016	0.0046	0.037	1.00 - 4.33
5B-00343	20717	Nb-94	0.0041 U	0.014	0.0031	0.0214	1.00 - 4.33
5B-00343	20717	Ni-59	0 U	0.12	0.034	5.96	1.00 - 4.33
5B-00343	20717	Ni-63	-0.07 U	0.45	0.13	4.92	1.00 - 4.33
5B-00343	20717	Np-236	0.0009 U	0.023	0.007	0.047	1.00 - 4.33
5B-00343	20717	Np-239	-0.015 U	0.08	0.024	0.139	1.00 - 4.33
5B-00343	20717	Pa-231	-0.17 U	0.57	0.17	0.936	1.00 - 4.33
5B-00343	20717	Pb-212	1.17	0.02	0.036	2.69	1.00 - 4.33
5B-00343	20717	Pb-214	0.797	0.025	0.035	1.7	1.00 - 4.33
5B-00343	20717	Pu-238	-6E-04 U	0.006	0.001	0.0415	1.00 - 4.33
5B-00343	20717	Pu-239/240	0.001 U	0.0043	0.0011	0.0404	1.00 - 4.33
5B-00343	20717	Pu-244	0.0029	0.002	0.0015	0.0313	1.00 - 4.33
5B-00343	20717	Sb-125	0.104 SK	0.028	0.0084	0.354	1.00 - 4.33
5B-00343	20717	Sn-126	0.0008 U	0.016	0.0048	0.0237	1.00 - 4.33
5B-00343	20717	Sr-90	0.017 U	0.043	0.013	0.485	1.00 - 4.33
5B-00343	20717	Tc-99	-0.062 U	0.28	0.084	1.63	1.00 - 4.33
5B-00343	20717	Te-125m	0.0239 SK	0.0066	0.0019	0.0838	1.00 - 4.33
5B-00343	20717	Th-228	1.18	0.016	0.06	3.98	1.00 - 4.33

**Table A.2
Analytical Results Summary
Subarea 5B, Round 1**

Sample Location	Sample ID	Analyte Name	Activity	MDC	TPU	RTL	Sample Depth (feet bgs)
5B-00343	20717	Th-229	0.0017 U	0.0064	0.0017	0.145	1.00 - 4.33
5B-00343	20717	Th-230	0.752	0.002	0.041	2.2	1.00 - 4.33
5B-00343	20717	Th-232	1.14	0.007	0.058	3.1	1.00 - 4.33
5B-00343	20717	Th-234	0.374 R	0.16	0.051	3.19	1.00 - 4.33
5B-00343	20717	Tl-208	0.405	0.014	0.015	0.937	1.00 - 4.33
5B-00343	20717	Tm-171	-2.6 U	4.6	1.4	72.4	1.00 - 4.33
5B-00343	20717	U-233/234	0.589	0.008	0.033	2.02	1.00 - 4.33
5B-00343	20717	U-235/236	0.0288	0.0099	0.0061	0.151	1.00 - 4.33
5B-00343	20717	U-238	0.582	0.002	0.033	1.8	1.00 - 4.33

Notes:

Refer to Table 2.1 of the Final Field Sampling Plan for Soil Sampling (HGL, 2012a) for a definition of radionuclide symbols.

Reporting units in picocuries per gram.

bgs - below ground surface

ID - identification

MDC - minimum detectable concentration

RTL - radiological trigger level

TPU - total propagated uncertainty

B - Analyte present, but not detected substantially above the level reported in laboratory or field blanks.

J - The analyte was detected at the reported concentration; the quantitation is an estimate.

K - Analyte present. Reported value may be biased high. Actual value is expected to be lower.

S - Analyte result is subject to spectral interference. Unless otherwise qualified, the data is believed to be consistent with the background study results and may be used for its intended purpose.

L - Analyte present. Reported value may be biased low. Actual value is expected to be higher.

R - The result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

U - Not considered detected. The associated number is the reported concentration.

UJ - Not considered detected. The associated number is the reported concentration, which may be inaccurate.

UL - Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.

Y - The initial laboratory result was reported above its respective RTL (or Lookup Table value). The gamma spectrometry data has been inspected to determine whether the exceeding analyte is present at a quantity greater than the RTL. In the analyst's judgment, the result is supported by the analytical data and is therefore considered an RTL exceedance.

Z - The initial laboratory result was reported above its respective RTL (or Lookup Table value). The gamma spectrometry data has been inspected to determine whether the exceeding analyte is present at a quantity greater than the RTL. In the analyst's judgment, the result is unsupported by the analytical data and is therefore not considered an RTL exceedance.

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00017	20031	Ac-228	1.04	0.055	0.038	20561	Ac-228	0.975	0.073	0.036
5B-00017	20031	Actinium 227	0.286 K,R	0.11	0.015	20561	Actinium 227	0.013 U	0.12	0.02
5B-00017	20031	Ag-108	-0.00167 R U	0.001	0.00033	20561	Ag-108	-0.0007 U R	0.0012	0.00037
5B-00017	20031	Ag-108m	-0.018 R U	0.011	0.0036	20561	Ag-108m	-0.0075 U R	0.013	0.004
5B-00017	20031	Am-241	0.0031	0.0075	0.0023	20561	Am-241	0.0033	0.0048	0.0018
5B-00017	20031	Ba-133	-0.0718 R U	0.016	0.0059	20561	Ba-133	-0.0725 R U	0.019	0.0065
5B-00017	20031	Ba-137m	-0.0002 U	0.011	0.0033	20561	Ba-137m	-0.0002 U	0.013	0.0039
5B-00017	20031	Bi-212	0.795	0.094	0.059	20561	Bi-212	0.882	0.11	0.068
5B-00017	20031	Bi-214	0.604	0.017	0.023	20561	Bi-214	0.707	0.021	0.026
5B-00017	20031	Cd-113m	0.1 U	30	9.1	20561	Cd-113m	6 U	35	11
5B-00017	20031	Cf-249	-0.017 U R	0.045	0.014	20561	Cf-249	0.0015 U R	0.058	0.003
5B-00017	20031	Cm-243/Cm-244	0.0092	0.0017	0.0024	20561	Cm-243/Cm-244	0.0096	0.009	0.0035
5B-00017	20031	Cm-245/Cm-246	0.00074 U J	0.002	0.00074	20561	Cm-245/Cm-246	-0.0009 U J	0.0087	0.0018
5B-00017	20031	Cm-247/Cm-248	0.0029	0.002	0.0015	20561	Cm-247/Cm-248	0 U	0.0068	0.0014
5B-00017	20031	Co-60	0.0011 U	0.013	0.0023	20561	Co-60	0.0026 U	0.016	0.0028
5B-00017	20031	Cs-134	0.0154 U	0.035	0.0038	20561	Cs-134	0.0141 U	0.044	0.0041
5B-00017	20031	Cs-137	-0.0003 U	0.012	0.0034	20561	Cs-137	-0.0002 U	0.014	0.0041
5B-00017	20031	Eu-152	-0.0058 U	0.028	0.0084	20561	Eu-152	0.00061 U	0.034	0.00081
5B-00017	20031	Eu-154	-0.019 U	0.076	0.023	20561	Eu-154	0.009 U	0.089	0.014
5B-00017	20031	Eu-155	0.03 SK	0.027	0.0083	20561	Eu-155	0.072 SK	0.028	0.012
5B-00017	20031	Ho-166m	0.00098 U J	0.018	0.0007	20561	Ho-166m	0.0022 U J	0.022	0.0065
5B-00017	20031	K-40	21	0.12	0.69	20561	K-40	19.5	0.13	0.59

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00017	20031	Na-22	0.0028 U	0.017	0.0051	20561	Na-22	-0.0045 U	0.022	0.0067
5B-00017	20031	Nb-94	0.0038 U	0.01	0.0031	20561	Nb-94	-0.0006 U	0.011	0.0032
5B-00017	20031	Np-236	-0.0034 U	0.024	0.0072	20561	Np-236	-0.0068 U	0.026	0.0078
5B-00017	20031	Np-239	0.017 U	0.06	0.018	20561	Np-239	-0.012 U	0.076	0.023
5B-00017	20031	Pa-231	0.08 U	0.42	0.13	20561	Pa-231	-0.11 U	0.52	0.16
5B-00017	20031	Pb-212	1.27	0.017	0.067	20561	Pb-212	1.22	0.021	0.05
5B-00017	20031	Pb-214	0.694	0.019	0.027	20561	Pb-214	0.751	0.023	0.027
5B-00017	20031	Pu-236	-0.0004 U	0.0039	0.00044	20561	Pu-236	-0.00042 U	0.0041	0.00047
5B-00017	20031	Pu-238	0.00066 U	0.0018	0.00066	20561	Pu-238	0.0028	0.0019	0.0014
5B-00017	20031	Pu-239/Pu-240	0.00132	0.0018	0.00094	20561	Pu-239/Pu-240	0.0021	0.0019	0.0012
5B-00017	20031	Pu-244	0.0026	0.0018	0.0013	20561	Pu-244	0.0028	0.0019	0.0014
5B-00017	20031	Rn-220	1.03	0.017	0.089	20561	Rn-220	1.05	0.021	0.084
5B-00017	20031	Rn-222	0.649	0.017	0.036	20561	Rn-222	0.729	0.021	0.037
5B-00017	20031	Sb-125	0.121 JSK	0.03	0.011	20561	Sb-125	0.12 JSK	0.035	0.01
5B-00017	20031	Sn-126	0.0031 U	0.011	0.0032	20561	Sn-126	-0.0003 U	0.014	0.0042
5B-00017	20031	Sr-90	0.021 U	0.049	0.015	20561	Sr-90	0.004 U	0.053	0.016
5B-00017	20031	Te-125m	0.0279 JSK	0.0069	0.0025	20561	Te-125m	0.0276 JSK	0.008	0.0024
5B-00017	20031	Th-228	1	0.015	0.053	20561	Th-228	1.15	0.016	0.058
5B-00017	20031	Th-229	0.0131	0.0025	0.0035	20561	Th-229	0.0017 U	0.012	0.0032
5B-00017	20031	Th-230	0.766	0.007	0.042	20561	Th-230	0.797	0.006	0.042
5B-00017	20031	Th-232	0.92	0.007	0.049	20561	Th-232	0.987	0.006	0.051
5B-00017	20031	Th-234	1.24 R	0.12	0.071	20561	Th-234	0.266 R	0.14	0.043

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00017	20031	Tl-208	0.38	0.013	0.015	20561	Tl-208	0.379	0.014	0.015
5B-00017	20031	Tm-171	-1.2 U	4.4	1.3	20561	Tm-171	-3.6 L U J	4.3	1.3
5B-00017	20031	U-233/U-234	0.698	0.012	0.04	20561	U-233/U-234	0.613	0.011	0.036
5B-00017	20031	U-235/U-236	0.0397	0.012	0.0077	20561	U-235/U-236	0.0318	0.009	0.0066
5B-00017	20031	U-238	0.774	0.003	0.043	20561	U-238	0.668	0.003	0.038
5B-00017	20032	Ac-228	0.989	0.064	0.037	20513	Ac-228	0.978	0.065	0.036
5B-00017	20032	Actinium 227	0.063	0.11	0.018	20513	Actinium 227	0.051 J	0.092	0.012
5B-00017	20032	Ag-108	-0.00163 R U	0.001	0.00033	20513	Ag-108	-0.00078 L U R	0.001	0.00031
5B-00017	20032	Ag-108m	-0.0175 R U	0.011	0.0035	20513	Ag-108m	-0.0083 L U R	0.011	0.0033
5B-00017	20032	Am-241	0.0015 U	0.0083	0.0023	20513	Am-241	0.0036	0.0024	0.0018
5B-00017	20032	Ba-133	-0.0178 R U	0.015	0.0047	20513	Ba-133	-0.0224 R U	0.015	0.0048
5B-00017	20032	Ba-137m	0.0046 J	0.0085	0.0026	20513	Ba-137m	-0.0069 U J	0.011	0.0035
5B-00017	20032	Bi-212	0.855	0.11	0.069	20513	Bi-212	0.823	0.1	0.065
5B-00017	20032	Bi-214	0.761	0.021	0.029	20513	Bi-214	0.78	0.022	0.03
5B-00017	20032	C-14	0.0391	0.027	0.0089	20513	C-14	-0.0028 U	0.031	0.0092
5B-00017	20032	Cd-113m	4 U	33	9.9	20513	Cd-113m	-0.3 U	32	9.7
5B-00017	20032	Cf-249	0.0026 U R	0.052	0.0026	20513	Cf-249	0.0033 U R	0.052	0.0029
5B-00017	20032	Cm-243/Cm-244	0.0015 U	0.0056	0.0016	20513	Cm-243/Cm-244	-0.0044 U	0.016	0.0039
5B-00017	20032	Cm-245/Cm-246	0.00091 U J	0.0025	0.00091	20513	Cm-245/Cm-246	0 U J	0.0067	0.0014
5B-00017	20032	Cm-247/Cm-248	0.00089 U	0.0024	0.0009	20513	Cm-247/Cm-248	0.0009 U	0.0083	0.0021
5B-00017	20032	Co-60	0.0033 U	0.014	0.0025	20513	Co-60	0.0028 U	0.013	0.0033
5B-00017	20032	Cs-134	0.0135 U	0.036	0.0043	20513	Cs-134	0.0124 U	0.036	0.0034

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00017	20032	Cs-137	0.0049 J	0.009	0.0027	20513	Cs-137	-0.0073 U J	0.012	0.0037
5B-00017	20032	Eu-152	0.0109 U	0.03	0.0066	20513	Eu-152	-0.0078 U	0.029	0.0087
5B-00017	20032	Eu-154	-0.029 U	0.07	0.021	20513	Eu-154	-0.033 U	0.078	0.024
5B-00017	20032	Eu-155	0.063 SK	0.028	0.011	20513	Eu-155	0.052 SK	0.028	0.011
5B-00017	20032	H-3	0.063 U	0.18	0.056	20513	H-3	0.051 U	0.18	0.055
5B-00017	20032	Ho-166m	-0.0018 U	0.019	0.0012	20513	Ho-166m	0.0069 U	0.018	0.0072
5B-00017	20032	K-40	21	0.15	0.7	20513	K-40	20.7	0.16	0.69
5B-00017	20032	Na-22	0.0047 U	0.017	0.0051	20513	Na-22	0.0025 U	0.018	0.0055
5B-00017	20032	Nb-94	0.0065 SK	0.0072	0.0029	20513	Nb-94	0.0045 U	0.01	0.0025
5B-00017	20032	Ni-59	0 U	0.15	0.04	20513	Ni-59	-0.22 U	0.48	0.13
5B-00017	20032	Ni-63	-0.35 L U	0.51	0.15	20513	Ni-63	-0.16 U	0.71	0.2
5B-00017	20032	Np-236	-0.0054 U	0.024	0.0071	20513	Np-236	-0.0101 U	0.026	0.0077
5B-00017	20032	Np-239	0.026 U	0.071	0.022	20513	Np-239	-0.019 U	0.071	0.021
5B-00017	20032	Pa-231	-0.13 U	0.47	0.14	20513	Pa-231	0.08 U	0.46	0.1
5B-00017	20032	Pb-212	1.31	0.02	0.069	20513	Pb-212	1.29	0.02	0.068
5B-00017	20032	Pb-214	0.833	0.022	0.032	20513	Pb-214	0.872	0.021	0.033
5B-00017	20032	Pu-236	-0.0009 U	0.0054	0.0012	20513	Pu-236	0 U	0.0016	0.00068
5B-00017	20032	Pu-238	0.0004 U	0.0059	0.0016	20513	Pu-238	-0.00121 U	0.0056	0.00096
5B-00017	20032	Pu-239/Pu-240	0.0009 U	0.0012	0.00064	20513	Pu-239/Pu-240	0 U	0.0016	0.00068
5B-00017	20032	Pu-244	0.0009 U	0.0012	0.00063	20513	Pu-244	0.0018	0.0016	0.001
5B-00017	20032	Rn-220	1.08	0.02	0.098	20513	Rn-220	1.06	0.02	0.094
5B-00017	20032	Rn-222	0.797	0.021	0.043	20513	Rn-222	0.826	0.021	0.045

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00017	20032	Sb-125	0.0891 SK	0.03	0.007	20513	Sb-125	0.117 SK	0.031	0.0092
5B-00017	20032	Sn-126	0.0012 U	0.012	0.0036	20513	Sn-126	0.0031 U	0.011	0.0034
5B-00017	20032	Sr-90	0.063	0.057	0.019	20513	Sr-90	-0.002 U	0.055	0.016
5B-00017	20032	Tc-99	-0.081 U	0.28	0.085	20513	Tc-99	-0.05 U	0.36	0.11
5B-00017	20032	Te-125m	0.0206 SK	0.0069	0.0016	20513	Te-125m	0.027 SK	0.0071	0.0021
5B-00017	20032	Th-228	1.05	0.014	0.058	20513	Th-228	1.1	0.014	0.055
5B-00017	20032	Th-229	0.0076	0.01	0.0037	20513	Th-229	0.0012 U	0.013	0.0033
5B-00017	20032	Th-230	0.818	0.004	0.048	20513	Th-230	0.974	0.002	0.049
5B-00017	20032	Th-232	1.07	0.01	0.059	20513	Th-232	1.14	0.006	0.057
5B-00017	20032	Th-234	1.4 R	0.13	0.08	20513	Th-234	1.25 R	0.12	0.075
5B-00017	20032	Tl-208	0.4	0.014	0.016	20513	Tl-208	0.388	0.013	0.015
5B-00017	20032	Tm-171	0.6 U	3.5	1.1	20513	Tm-171	0.2 U	5.2	1.6
5B-00017	20032	U-233/U-234	0.795	0.009	0.045	20513	U-233/U-234	0.684	0.011	0.043
5B-00017	20032	U-235/U-236	0.0442	0.004	0.0083	20513	U-235/U-236	0.0401	0.013	0.0091
5B-00017	20032	U-238	0.761	0.003	0.044	20513	U-238	0.763	0.014	0.046
5B-00030	20052	Ac-228	0.9	0.088	0.035	20555	Ac-228	0.831	0.08	0.05
5B-00030	20052	Actinium 227	0.014 U	0.12	0.043	20555	Actinium 227	0.023 U	0.13	0.038
5B-00030	20052	Ag-108	0.00074 R	0.00086	0.00036	20555	Ag-108	-0.00106 L U R	0.0012	0.00037
5B-00030	20052	Ag-108m	0.008 R	0.0092	0.0039	20555	Ag-108m	-0.0114 L U R	0.013	0.004
5B-00030	20052	Am-241	0.00093 U	0.0025	0.00093	20555	Am-241	0.0032 U	0.0098	0.0029
5B-00030	20052	Ba-133	0.0003 U R	0.014	0.0043	20555	Ba-133	-0.018 R U	0.017	0.0051
5B-00030	20052	Ba-137m	0.0082	0.014	0.0052	20555	Ba-137m	-0.0003 U	0.013	0.0038

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00030	20052	Bi-212	0.794	0.12	0.069	20555	Bi-212	0.739	0.095	0.053
5B-00030	20052	Bi-214	0.633	0.021	0.023	20555	Bi-214	0.647	0.022	0.024
5B-00030	20052	C-14	0.05	0.054	0.017	20555	C-14	0.0214	0.032	0.00997
5B-00030	20052	Cd-113m	9 U	34	10	20555	Cd-113m	-6 U	34	10
5B-00030	20052	Cf-249	-0.004 U R	0.054	0.016	20555	Cf-249	0.0057 U R	0.054	0.003
5B-00030	20052	Cm-243/Cm-244	0.0018 U	0.0025	0.0013	20555	Cm-243/Cm-244	0.0114	0.0076	0.0038
5B-00030	20052	Cm-245/Cm-246	0.002	0.0018	0.0012	20555	Cm-245/Cm-246	0 U J	0.0057	0.0012
5B-00030	20052	Cm-247/Cm-248	-0.00066 U	0.0049	0.00074	20555	Cm-247/Cm-248	0.0008 U	0.0071	0.0018
5B-00030	20052	Co-60	-0.0002 U	0.016	0.0048	20555	Co-60	0.0034 U	0.017	0.0052
5B-00030	20052	Cs-134	0.0019 U J	0.024	0.0026	20555	Cs-134	0.0115 U J	0.042	0.0053
5B-00030	20052	Cs-137	0.0086	0.015	0.0055	20555	Cs-137	-0.0003 U	0.013	0.004
5B-00030	20052	Eu-152	0.0019 U	0.023	0.007	20555	Eu-152	-0.002 U	0.034	0.01
5B-00030	20052	Eu-154	-0.002 U	0.072	0.021	20555	Eu-154	0.006 U	0.071	0.011
5B-00030	20052	Eu-155	0.0525 SK	0.027	0.00999	20555	Eu-155	0.056 SK	0.029	0.012
5B-00030	20052	H-3	-0.0008 U	0.19	0.056	20555	H-3	-0.008 U	0.19	0.056
5B-00030	20052	Ho-166m	0.0099 U	0.022	0.0073	20555	Ho-166m	0.0113 SK	0.022	0.0071
5B-00030	20052	K-40	18.8	0.12	0.57	20555	K-40	20	0.11	0.6
5B-00030	20052	Na-22	-0.0019 U J	0.023	0.0068	20555	Na-22	0.004 U J	0.022	0.0066
5B-00030	20052	Nb-94	0.0009 U	0.012	0.0021	20555	Nb-94	0.0014 U	0.013	0.0038
5B-00030	20052	Ni-59	0 U	0.65	0.14	20555	Ni-59	0 U	0.53	0.15
5B-00030	20052	Ni-63	0.59	0.8	0.24	20555	Ni-63	0.35 U	0.76	0.23
5B-00030	20052	Np-236	-0.0033 U	0.024	0.0072	20555	Np-236	0.0013 U	0.027	0.0082

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00030	20052	Np-239	-0.011 U	0.07	0.021	20555	Np-239	0.0004 U	0.08	0.024
5B-00030	20052	Pa-231	0.006 U	0.45	0.14	20555	Pa-231	0.11 U	0.5	0.15
5B-00030	20052	Pb-212	1.13	0.02	0.046	20555	Pb-212	1.18	0.02	0.048
5B-00030	20052	Pb-214	0.696	0.024	0.025	20555	Pb-214	0.717	0.024	0.025
5B-00030	20052	Pu-236	0.00032 U	0.0048	0.00096	20555	Pu-236	0.0012 U	0.005	0.0013
5B-00030	20052	Pu-238	0.001 U	0.0066	0.0017	20555	Pu-238	-0.001 U	0.0061	0.0008
5B-00030	20052	Pu-239/Pu-240	0.0011 U	0.0047	0.0013	20555	Pu-239/Pu-240	0.0012 U	0.005	0.0013
5B-00030	20052	Pu-244	0.00032 U	0.0047	0.00096	20555	Pu-244	0 U	0.0023	0.00073
5B-00030	20052	Rn-220	0.964	0.02	0.083	20555	Rn-220	0.958	0.02	0.071
5B-00030	20052	Rn-222	0.664	0.021	0.034	20555	Rn-222	0.682	0.022	0.035
5B-00030	20052	Sb-125	0.102 SK	0.036	0.009	20555	Sb-125	0.0884 SK	0.036	0.0076
5B-00030	20052	Sn-126	0.0024 U	0.013	0.0039	20555	Sn-126	0.0045 U	0.014	0.0042
5B-00030	20052	Sr-90	-0.01 U	0.056	0.016	20555	Sr-90	0.0048 U	0.03	0.0086
5B-00030	20052	Tc-99	0 U	0.29	0.089	20555	Tc-99	-0.032 U	0.3	0.091
5B-00030	20052	Te-125m	0.0236 SK	0.0082	0.0021	20555	Te-125m	0.0204 SK	0.0084	0.0018
5B-00030	20052	Th-228	1.1	0.02	0.059	20555	Th-228	0.988	0.02	0.053
5B-00030	20052	Th-229	0.0028 U	0.0085	0.0025	20555	Th-229	0.0071	0.0075	0.0031
5B-00030	20052	Th-230	0.852	0.014	0.048	20555	Th-230	0.88	0.009	0.048
5B-00030	20052	Th-232	1.03	0.008	0.055	20555	Th-232	0.95	0.007	0.051
5B-00030	20052	Th-234	0.475	0.13	0.044	20555	Th-234	1.16	0.13	0.069
5B-00030	20052	Tl-208	0.35	0.015	0.014	20555	Tl-208	0.366	0.016	0.015
5B-00030	20052	Tm-171	0.8 U J	4.8	1.5	20555	Tm-171	-1.1 U J	5.4	1.6

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00030	20052	U-233/U-234	0.764	0.009	0.041	20555	U-233/U-234	0.708	0.014	0.04
5B-00030	20052	U-235/U-236	0.0435	0.0027	0.0069	20555	U-235/U-236	0.0387	0.0035	0.0073
5B-00030	20052	U-238	0.735	0.006	0.039	20555	U-238	0.73	0.008	0.041
5B-00048	20077	Ac-228	1.18	0.062	0.041	20552	Ac-228	1.16	0.06	0.041
5B-00048	20077	Actinium 227	0.06	0.091	0.018	20552	Actinium 227	0.016 U	0.094	0.032
5B-00048	20077	Ag-108	-0.00377 R U	0.0013	0.00043	20552	Ag-108	-0.00313 R U	0.0012	0.00039
5B-00048	20077	Ag-108m	-0.0406 R U	0.014	0.0046	20552	Ag-108m	-0.0336 R U	0.013	0.0042
5B-00048	20077	Am-241	0.0022	0.002	0.0013	20552	Am-241	0.0031	0.0021	0.0015
5B-00048	20077	Ba-133	-0.03 R U	0.016	0.0051	20552	Ba-133	-0.0241 R U	0.016	0.005
5B-00048	20077	Ba-137m	-0.0061 U	0.012	0.0038	20552	Ba-137m	-0.009 L U J	0.012	0.0036
5B-00048	20077	Bi-212	0.987	0.1	0.067	20552	Bi-212	0.852	0.1	0.062
5B-00048	20077	Bi-214	0.724	0.02	0.028	20552	Bi-214	0.723	0.023	0.029
5B-00048	20077	Cd-113m	6.5 U	25	7.6	20552	Cd-113m	0.7 U	31	9.2
5B-00048	20077	Cf-249	0.0063 U R	0.052	0.004	20552	Cf-249	0.0047 U R	0.038	0.0035
5B-00048	20077	Cm-243/Cm-244	0.0021	0.0019	0.0012	20552	Cm-243/Cm-244	0.0023	0.0055	0.0017
5B-00048	20077	Cm-245/Cm-246	0.0007 U J	0.008	0.0021	20552	Cm-245/Cm-246	0.0042 J K	0.0028	0.0021
5B-00048	20077	Cm-247/Cm-248	0.0022	0.002	0.0013	20552	Cm-247/Cm-248	0.0031	0.0076	0.0024
5B-00048	20077	Co-60	-0.0007 U	0.015	0.0045	20552	Co-60	-0.0033 U	0.014	0.0043
5B-00048	20077	Cs-134	0.0116 U	0.04	0.0049	20552	Cs-134	0.011 U	0.03	0.0034
5B-00048	20077	Cs-137	-0.0065 U	0.013	0.004	20552	Cs-137	-0.0095 L U J	0.012	0.0038
5B-00048	20077	Eu-152	-0.0012 U	0.031	0.0023	20552	Eu-152	0.018 K,R	0.03	0.01
5B-00048	20077	Eu-154	-0.029 U	0.063	0.019	20552	Eu-154	0.012 U	0.074	0.011

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00048	20077	Eu-155	0.082 SK	0.029	0.012	20552	Eu-155	0.07 SK	0.028	0.012
5B-00048	20077	Ho-166m	0.0049 U J	0.019	0.0042	20552	Ho-166m	0.01 JSK	0.019	0.008
5B-00048	20077	K-40	22.7	0.14	0.75	20552	K-40	21.9	0.13	0.73
5B-00048	20077	Na-22	0 U	0.022	0.0042	20552	Na-22	0.0047 U	0.018	0.0053
5B-00048	20077	Nb-94	0.0028 U	0.011	0.0027	20552	Nb-94	0.0046 U	0.01	0.0032
5B-00048	20077	Np-236	-0.0008 U	0.026	0.0079	20552	Np-236	0.0045 U	0.02	0.0061
5B-00048	20077	Np-239	0.007 U	0.075	0.023	20552	Np-239	0.003 U	0.064	0.019
5B-00048	20077	Pa-231	0.1 U	0.5	0.15	20552	Pa-231	0.01 U	0.38	0.11
5B-00048	20077	Pb-212	1.52	0.019	0.08	20552	Pb-212	1.43	0.02	0.075
5B-00048	20077	Pb-214	0.866	0.023	0.034	20552	Pb-214	0.827	0.022	0.032
5B-00048	20077	Pu-236	0 U	0.0019	0.0006	20552	Pu-236	0 U	0.0019	0.00062
5B-00048	20077	Pu-238	0 U	0.0019	0.0006	20552	Pu-238	0.00029 U	0.0042	0.00086
5B-00048	20077	Pu-239/Pu-240	0.0017	0.0041	0.0013	20552	Pu-239/Pu-240	0.0014	0.0019	0.001
5B-00048	20077	Pu-244	0.0031	0.0041	0.0016	20552	Pu-244	0.0024	0.0042	0.0015
5B-00048	20077	Rn-220	1.25	0.02	0.1	20552	Rn-220	1.14	0.02	0.098
5B-00048	20077	Rn-222	0.795	0.02	0.044	20552	Rn-222	0.775	0.022	0.043
5B-00048	20077	Sb-125	0.0895 JSK	0.033	0.0069	20552	Sb-125	0.116 JSK	0.032	0.0082
5B-00048	20077	Sn-126	-0.0013 U	0.013	0.0038	20552	Sn-126	-0.0005 U	0.012	0.0036
5B-00048	20077	Sr-90	0.011 U	0.042	0.013	20552	Sr-90	0.005 U	0.041	0.012
5B-00048	20077	Te-125m	0.0207 JSK	0.0076	0.0016	20552	Te-125m	0.0269 JSK	0.0074	0.0019
5B-00048	20077	Th-228	1.2	0.014	0.062	20552	Th-228	1.17	0.017	0.061
5B-00048	20077	Th-229	0.005	0.0023	0.0021	20552	Th-229	0.0019 U	0.0086	0.0024

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00048	20077	Th-230	0.774	0.003	0.043	20552	Th-230	0.739	0.01	0.042
5B-00048	20077	Th-232	1.05	0.008	0.055	20552	Th-232	1.13	0.008	0.059
5B-00048	20077	Th-234	1.26 R	0.13	0.076	20552	Th-234	1.27 R	0.13	0.076
5B-00048	20077	Tl-208	0.457	0.016	0.019	20552	Tl-208	0.421	0.013	0.017
5B-00048	20077	Tm-171	-0.2 U	5.3	1.6	20552	Tm-171	0.5 U	4.4	1.3
5B-00048	20077	U-233/U-234	0.651	0.006	0.036	20552	U-233/U-234	0.64	0.007	0.035
5B-00048	20077	U-235/U-236	0.0289	0.0029	0.0057	20552	U-235/U-236	0.0434	0.0069	0.0068
5B-00048	20077	U-238	0.645	0.002	0.036	20552	U-238	0.636	0.002	0.035
5B-00230	20086	Ac-228	1.05	0.088	0.041	20516	Ac-228	1.01	0.058	0.037
5B-00230	20086	Actinium 227	0.037 U	0.14	0.053	20516	Actinium 227	0.014 U	0.11	0.04
5B-00230	20086	Ag-108	-0.00346 R U	0.0015	0.0005	20516	Ag-108	-0.00192 R U	0.0012	0.00037
5B-00230	20086	Ag-108m	-0.0372 R U	0.017	0.0054	20516	Ag-108m	-0.0207 R U	0.013	0.004
5B-00230	20086	Am-241	0.0018 U	0.0065	0.0019	20516	Am-241	-0.0008 U	0.0074	0.0015
5B-00230	20086	Ba-133	-0.0835 R U	0.023	0.0078	20516	Ba-133	-0.0961 R U	0.021	0.0075
5B-00230	20086	Ba-137m	0.0105	0.012	0.0051	20516	Ba-137m	0.0027 U	0.012	0.0036
5B-00230	20086	Bi-212	0.818	0.12	0.065	20516	Bi-212	0.9	0.12	0.078
5B-00230	20086	Bi-214	0.838	0.025	0.03	20516	Bi-214	0.832	0.021	0.032
5B-00230	20086	C-14	0.029 U	0.067	0.02	20516	C-14	0.062	0.086	0.027
5B-00230	20086	Cd-113m	7 U	39	12	20516	Cd-113m	5.4 U	33	9.9
5B-00230	20086	Cf-249	-0.02 U R	0.065	0.02	20516	Cf-249	-0.017 U R	0.048	0.015
5B-00230	20086	Cm-243/Cm-244	-0.0041 U	0.01	0.0023	20516	Cm-243/Cm-244	-0.0031 U	0.017	0.0044
5B-00230	20086	Cm-245/Cm-246	0.0013 U	0.0068	0.0019	20516	Cm-245/Cm-246	0.0034	0.0018	0.0015

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00230	20086	Cm-247/Cm-248	0.00062 U	0.0017	0.00062	20516	Cm-247/Cm-248	0 U	0.0049	0.00099
5B-00230	20086	Co-60	-0.0037 U	0.017	0.0052	20516	Co-60	-0.00005 U	0.015	0.0044
5B-00230	20086	Cs-134	-0.0018 U	0.052	0.0031	20516	Cs-134	0.0031 U	0.033	0.0013
5B-00230	20086	Cs-137	0.0111	0.013	0.0054	20516	Cs-137	0.0029 U	0.013	0.0038
5B-00230	20086	Eu-152	0.01 U	0.031	0.01	20516	Eu-152	0.018	0.031	0.012
5B-00230	20086	Eu-154	0 U J	0.11	0.013	20516	Eu-154	-0.024 U J	0.081	0.024
5B-00230	20086	Eu-155	0.065 SK	0.032	0.013	20516	Eu-155	0.062 SK	0.027	0.011
5B-00230	20086	H-3	-0.016 U	0.18	0.054	20516	H-3	-0.002 U	0.18	0.055
5B-00230	20086	Ho-166m	0.0207 JSK	0.025	0.0062	20516	Ho-166m	0.0259 JSK	0.019	0.0036
5B-00230	20086	K-40	20.5	0.13	0.62	20516	K-40	21	0.15	0.7
5B-00230	20086	Na-22	-0.0077 U	0.025	0.0075	20516	Na-22	-0.0068 U	0.02	0.0059
5B-00230	20086	Nb-94	0.0043 U	0.014	0.0043	20516	Nb-94	-0.0023 U	0.0099	0.003
5B-00230	20086	Ni-59	0 U	0.25	0.068	20516	Ni-59	0 U	0.24	0.067
5B-00230	20086	Ni-63	-0.1 U	0.56	0.17	20516	Ni-63	-0.13 U	0.52	0.15
5B-00230	20086	Np-236	-0.0026 U	0.03	0.0091	20516	Np-236	0.0012 U	0.021	0.0062
5B-00230	20086	Np-239	0.018 U	0.085	0.026	20516	Np-239	0.003 U	0.074	0.022
5B-00230	20086	Pa-231	0.17 U	0.57	0.17	20516	Pa-231	0.08 U	0.48	0.043
5B-00230	20086	Pb-212	1.37	0.023	0.056	20516	Pb-212	1.19	0.027	0.064
5B-00230	20086	Pb-214	0.904	0.024	0.031	20516	Pb-214	0.947	0.021	0.035
5B-00230	20086	Pu-236	-0.0019 U	0.0058	0.0011	20516	Pu-236	0 U	0.0011	0.00046
5B-00230	20086	Pu-238	-0.00048 U	0.0045	0.0009	20516	Pu-238	0.0004 U	0.0058	0.0016
5B-00230	20086	Pu-239/Pu-240	0 U	0.0013	0.00054	20516	Pu-239/Pu-240	0.0033	0.0011	0.0012

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00230	20086	Pu-244	0.0024	0.0035	0.0013	20516	Pu-244	0.00165	0.0011	0.00083
5B-00230	20086	Rn-220	1.09	0.023	0.086	20516	Rn-220	1.04	0.03	0.1
5B-00230	20086	Rn-222	0.871	0.024	0.043	20516	Rn-222	0.89	0.021	0.047
5B-00230	20086	Sb-125	0.139 SK	0.04	0.012	20516	Sb-125	0.123 SK	0.031	0.0097
5B-00230	20086	Sn-126	-0.00002 U	0.016	0.0046	20516	Sn-126	0.0056	0.011	0.0035
5B-00230	20086	Sr-90	0.008 U	0.055	0.016	20516	Sr-90	0.032	0.052	0.016
5B-00230	20086	Tc-99	-0.078 U	0.27	0.081	20516	Tc-99	-0.07 U	0.36	0.11
5B-00230	20086	Te-125m	0.0321 SK	0.0093	0.0027	20516	Te-125m	0.0285 SK	0.0071	0.0023
5B-00230	20086	Th-228	1.12	0.017	0.061	20516	Th-228	1.01	0.008	0.05
5B-00230	20086	Th-229	0.0108	0.0057	0.0031	20516	Th-229	0.0015 U J	0.018	0.0048
5B-00230	20086	Th-230	0.785	0.014	0.046	20516	Th-230	0.954	0.002	0.048
5B-00230	20086	Th-232	1.14	0.003	0.061	20516	Th-232	1	0.005	0.05
5B-00230	20086	Th-234	1.37	0.14	0.079	20516	Th-234	1.24	0.13	0.077
5B-00230	20086	Tl-208	0.409	0.017	0.016	20516	Tl-208	0.39	0.014	0.016
5B-00230	20086	Tm-171	-1 U J	6.1	1.9	20516	Tm-171	1.1 U J	4.2	1.3
5B-00230	20086	U-233/U-234	0.819	0.011	0.047	20516	U-233/U-234	0.863	0.003	0.046
5B-00230	20086	U-235/U-236	0.0337	0.0041	0.0073	20516	U-235/U-236	0.0495	0.0031	0.0078
5B-00230	20086	U-238	0.769	0.003	0.045	20516	U-238	0.847	0.003	0.045
5B-00059	20145	Ac-228	1.09	0.069	0.04	20519	Ac-228	1.09	0.071	0.038
5B-00059	20145	Actinium 227	0.0028	0.13	0.0036	20519	Actinium 227	0.019	0.1	0.045
5B-00059	20145	Ag-108	-0.0013	0.0013	0.00041	20519	Ag-108	-0.00292	0.0014	0.00044
5B-00059	20145	Ag-108m	-0.014	0.014	0.0044	20519	Ag-108m	-0.0314	0.015	0.0048

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00059	20145	Am-241	0.00124	0.0017	0.00088	20519	Am-241	0.00131	0.0018	0.00093
5B-00059	20145	Ba-133	-0.0344	0.02	0.0064	20519	Ba-133	-0.0803	0.02	0.007
5B-00059	20145	Ba-137m	0.0054	0.0095	0.0038	20519	Ba-137m	0.0015	0.013	0.0038
5B-00059	20145	Bi-212	0.935	0.11	0.068	20519	Bi-212	0.917	0.11	0.066
5B-00059	20145	Bi-214	0.742	0.023	0.028	20519	Bi-214	0.71	0.023	0.026
5B-00059	20145	Cd-113m	13	32	9.6	20519	Cd-113m	-5	37	11
5B-00059	20145	Cf-249	-0.047	0.061	0.019	20519	Cf-249	-0.019	0.048	0.015
5B-00059	20145	Cm-243/Cm-244	-0.00061	0.0045	0.00068	20519	Cm-243/Cm-244	0	0.0059	0.0014
5B-00059	20145	Cm-245/Cm-246	0.0024	0.0016	0.0012	20519	Cm-245/Cm-246	-0.0009	0.0093	0.0021
5B-00059	20145	Cm-247/Cm-248	0	0.0016	0.00066	20519	Cm-247/Cm-248	-0.00085	0.0063	0.00095
5B-00059	20145	Co-60	0.00074	0.016	0.00097	20519	Co-60	0.0056	0.016	0.0048
5B-00059	20145	Cs-134	0.002	0.054	0.016	20519	Cs-134	0.0143	0.046	0.0039
5B-00059	20145	Cs-137	0.0057	0.01	0.0041	20519	Cs-137	0.0016	0.013	0.004
5B-00059	20145	Eu-152	0.01	0.037	0.011	20519	Eu-152	-0.0002	0.035	0.01
5B-00059	20145	Eu-154	0.025	0.086	0.023	20519	Eu-154	0.0034	0.09	0.0034
5B-00059	20145	Eu-155	0.088	0.043	0.018	20519	Eu-155	0.063	0.029	0.012
5B-00059	20145	Ho-166m	0.0145	0.022	0.0021	20519	Ho-166m	0.0101	0.017	0.0051
5B-00059	20145	K-40	15.3	0.1	0.47	20519	K-40	15.3	0.13	0.47
5B-00059	20145	Na-22	0.0002	0.02	0.0058	20519	Na-22	0.0043	0.021	0.0063
5B-00059	20145	Nb-94	0.0035	0.013	0.0027	20519	Nb-94	0.0042	0.013	0.0028
5B-00059	20145	Np-236	-0.0002	0.035	0.011	20519	Np-236	0.0011	0.024	0.0071
5B-00059	20145	Np-239	0.018	0.085	0.026	20519	Np-239	-0.0004	0.079	0.024

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00059	20145	Pa-231	0.13	0.37	0.11	20519	Pa-231	-0.18	0.54	0.16
5B-00059	20145	Pb-212	1.17	0.032	0.039	20519	Pb-212	1.38	0.022	0.056
5B-00059	20145	Pb-214	0.756	0.024	0.033	20519	Pb-214	0.774	0.021	0.027
5B-00059	20145	Pu-236	0.0062	0.0045	0.0022	20519	Pu-236	0.0035	0.0019	0.0016
5B-00059	20145	Pu-238	0.0043	0.0057	0.0021	20519	Pu-238	0.0035	0.0075	0.0024
5B-00059	20145	Pu-239/Pu-240	0.0025	0.0045	0.0015	20519	Pu-239/Pu-240	0.0014	0.0019	0.00099
5B-00059	20145	Pu-244	0	0.0017	0.00069	20519	Pu-244	-0.0007	0.0065	0.0013
5B-00059	20145	Rn-220	1.05	0.032	0.078	20519	Rn-220	1.15	0.022	0.087
5B-00059	20145	Rn-222	0.749	0.023	0.043	20519	Rn-222	0.742	0.021	0.038
5B-00059	20145	Sb-125	0.0899	0.041	0.0079	20519	Sb-125	0.025	0.024	0.011
5B-00059	20145	Sn-126	0.0017	0.015	0.0044	20519	Sn-126	0.001	0.015	0.0043
5B-00059	20145	Sr-90	0.022	0.034	0.011	20519	Sr-90	-0.0057	0.035	0.0099
5B-00059	20145	Te-125m	0.0208	0.0095	0.0018	20519	Te-125m	0.0057	0.0056	0.0024
5B-00059	20145	Th-228	1.19	0.018	0.061	20519	Th-228	1.14	0.023	0.061
5B-00059	20145	Th-229	0.011	0.0062	0.0033	20519	Th-229	0.0074	0.0089	0.0033
5B-00059	20145	Th-230	0.81	0.012	0.045	20519	Th-230	0.764	0.01	0.044
5B-00059	20145	Th-232	1.2	0.003	0.062	20519	Th-232	1.12	0.015	0.06
5B-00059	20145	Th-234	1.06	0.19	0.07	20519	Th-234	1.33	0.13	0.073
5B-00059	20145	Tl-208	0.418	0.015	0.016	20519	Tl-208	0.414	0.016	0.016
5B-00059	20145	Tm-171	-13.2	8.7	2.7	20519	Tm-171	-1.7	5.1	1.5
5B-00059	20145	U-233/U-234	0.516	0.005	0.026	20519	U-233/U-234	0.496	0.001	0.025
5B-00059	20145	U-235/U-236	0.0335	0.0014	0.0044	20519	U-235/U-236	0.0207	0.0038	0.0035

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00059	20145	U-238	0.553	0.004	0.028	20519	U-238	0.543	0.001	0.027
5B-00083	20196	Ac-228	1.11	0.083	0.04	20549	Ac-228	1.34	0.083	0.043
5B-00083	20196	Actinium 227	0.032 U	0.1	0.036	20549	Actinium 227	0.055 U J	0.11	0.017
5B-00083	20196	Ag-108	0.00002 U R	0.0012	0.00035	20549	Ag-108	-0.00339 R U	0.0015	0.0005
5B-00083	20196	Ag-108m	0.0002 U R	0.013	0.0038	20549	Ag-108m	-0.0365 R U	0.017	0.0054
5B-00083	20196	Am-241	0 U	0.012	0.0031	20549	Am-241	0.0031	0.0021	0.0016
5B-00083	20196	Ba-133	-0.0034 U R	0.016	0.0049	20549	Ba-133	-0.0986 R U	0.023	0.0081
5B-00083	20196	Ba-137m	0.008	0.015	0.0054	20549	Ba-137m	0.0117	0.0099	0.004
5B-00083	20196	Bi-212	0.894	0.12	0.063	20549	Bi-212	1.15	0.12	0.072
5B-00083	20196	Bi-214	0.852	0.024	0.03	20549	Bi-214	0.994	0.027	0.035
5B-00083	20196	Cd-113m	-0.4 U	38	11	20549	Cd-113m	-0.5 U	41	12
5B-00083	20196	Cf-249	0.02 U R	0.059	0.018	20549	Cf-249	-0.034 U R	0.06	0.018
5B-00083	20196	Cm-243/Cm-244	0.002 U	0.0027	0.0014	20549	Cm-243/Cm-244	0 U	0.0057	0.0012
5B-00083	20196	Cm-245/Cm-246	-0.0012 U J	0.0085	0.0013	20549	Cm-245/Cm-246	-0.0013 U J	0.012	0.0024
5B-00083	20196	Cm-247/Cm-248	-0.0011 U	0.0083	0.0013	20549	Cm-247/Cm-248	0 U	0.0094	0.0019
5B-00083	20196	Co-60	0.0002 U	0.018	0.0055	20549	Co-60	0.0041 U	0.019	0.003
5B-00083	20196	Cs-134	-0.0002 U	0.029	0.0088	20549	Cs-134	0.0119 U	0.054	0.0039
5B-00083	20196	Cs-137	0.0085	0.016	0.0057	20549	Cs-137	0.0124	0.011	0.0042
5B-00083	20196	Eu-152	0.011 U	0.036	0.011	20549	Eu-152	0 U J	0.042	0.0082
5B-00083	20196	Eu-154	-0.036 U	0.1	0.032	20549	Eu-154	0.017 U	0.1	0.031
5B-00083	20196	Eu-155	0.061 SK	0.033	0.013	20549	Eu-155	0.083 SK	0.033	0.013
5B-00083	20196	Ho-166m	-0.0006 U	0.024	0.0072	20549	Ho-166m	0.0368 SK	0.026	0.0054

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00083	20196	K-40	19.2	0.13	0.58	20549	K-40	19.9	0.14	0.6
5B-00083	20196	Na-22	0.0022 U	0.025	0.0075	20549	Na-22	-0.0048 U	0.024	0.0073
5B-00083	20196	Nb-94	-0.0038 U	0.012	0.0036	20549	Nb-94	0.0055 U	0.014	0.0042
5B-00083	20196	Np-236	-0.0045 U	0.028	0.0084	20549	Np-236	-0.0056 U	0.032	0.0097
5B-00083	20196	Np-239	0.002 U	0.084	0.025	20549	Np-239	-0.003 U	0.087	0.026
5B-00083	20196	Pa-231	-0.05 U	0.56	0.17	20549	Pa-231	-0.1 U	0.61	0.19
5B-00083	20196	Pb-212	1.49	0.023	0.061	20549	Pb-212	1.76	0.023	0.071
5B-00083	20196	Pb-214	0.916	0.027	0.032	20549	Pb-214	1.09	0.026	0.036
5B-00083	20196	Pu-236	-0.00038 U	0.0038	0.00043	20549	Pu-236	0.0014 U	0.0076	0.0019
5B-00083	20196	Pu-238	0.0018	0.0046	0.0014	20549	Pu-238	0.0028	0.0026	0.0016
5B-00083	20196	Pu-239/Pu-240	-0.00038 U	0.0038	0.00043	20549	Pu-239/Pu-240	0.0014 U	0.0076	0.0019
5B-00083	20196	Pu-244	0.0019	0.0017	0.0011	20549	Pu-244	0.0031	0.0061	0.002
5B-00083	20196	Rn-220	1.19	0.023	0.088	20549	Rn-220	1.45	0.02	0.1
5B-00083	20196	Rn-222	0.884	0.024	0.044	20549	Rn-222	1.04	0.026	0.05
5B-00083	20196	Sb-125	0.015 U J	0.041	0.011	20549	Sb-125	0.152 JSK	0.044	0.011
5B-00083	20196	Sn-126	-0.00003 U	0.014	0.0041	20549	Sn-126	-0.0002 U	0.017	0.0051
5B-00083	20196	Sr-90	-0.013 U	0.03	0.0083	20549	Sr-90	-0.0096 U	0.032	0.0093
5B-00083	20196	Te-125m	0.0034 U J	0.0095	0.0026	20549	Te-125m	0.0352 JSK	0.01	0.0025
5B-00083	20196	Th-228	1.4	0.023	0.073	20549	Th-228	1.34	0.028	0.073
5B-00083	20196	Th-229	0.0121	0.0094	0.0041	20549	Th-229	0.0166	0.0094	0.005
5B-00083	20196	Th-230	1.06	0.012	0.058	20549	Th-230	1.05	0.014	0.06
5B-00083	20196	Th-232	1.3	0.01	0.068	20549	Th-232	1.42	0.011	0.076

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00083	20196	Th-234	0.533	0.15	0.05	20549	Th-234	0.423	0.16	0.053
5B-00083	20196	Tl-208	0.456	0.014	0.016	20549	Tl-208	0.555	0.02	0.021
5B-00083	20196	Tm-171	2.3 U	5.4	1.6	20549	Tm-171	-1.6 U	6.3	1.9
5B-00083	20196	U-233/U-234	0.785	0.009	0.045	20549	U-233/U-234	0.955	0.013	0.053
5B-00083	20196	U-235/U-236	0.0419	0.0042	0.0083	20549	U-235/U-236	0.039	0.0041	0.0078
5B-00083	20196	U-238	0.788	0.009	0.046	20549	U-238	0.899	0.009	0.05
5B-00093	20224	Ac-228	1.37	0.049	0.042	20546	Ac-228	1.37	0.067	0.045
5B-00093	20224	Actinium 227	0.038 U	0.1	0.04	20546	Actinium 227	0.031 U	0.093	0.036
5B-00093	20224	Ag-108	-0.00085 R U	0.00091	0.00028	20546	Ag-108	-0.00098 R U	0.00095	0.00029
5B-00093	20224	Ag-108m	-0.0091 R U	0.0097	0.003	20546	Ag-108m	-0.0105 R U	0.01	0.0032
5B-00093	20224	Am-241	0.002	0.0018	0.0012	20546	Am-241	0.0012 U	0.0031	0.0012
5B-00093	20224	Ba-133	-0.0419 R U	0.013	0.0042	20546	Ba-133	-0.0123 R U	0.013	0.0039
5B-00093	20224	Ba-137m	0 U	0.011	0.0023	20546	Ba-137m	-0.0056 U	0.011	0.0034
5B-00093	20224	Bi-212	1.1	0.093	0.062	20546	Bi-212	1.15	0.096	0.064
5B-00093	20224	Bi-214	0.621	0.017	0.021	20546	Bi-214	0.685	0.02	0.024
5B-00093	20224	Cd-113m	-4.6 U	28	8.6	20546	Cd-113m	0 U	31	7.6
5B-00093	20224	Cf-249	-0.012 U R	0.046	0.014	20546	Cf-249	0.0026 U R	0.051	0.0027
5B-00093	20224	Cm-243/Cm-244	-0.0007 U	0.0062	0.0012	20546	Cm-243/Cm-244	0.0023 U	0.0084	0.0023
5B-00093	20224	Cm-245/Cm-246	0.0037	0.0033	0.0021	20546	Cm-245/Cm-246	-0.0014 U J	0.01	0.0015
5B-00093	20224	Cm-247/Cm-248	0 U	0.0033	0.0011	20546	Cm-247/Cm-248	0 U	0.0099	0.002
5B-00093	20224	Co-60	0.0012 U	0.0073	0.0022	20546	Co-60	-0.0039 U	0.013	0.0039
5B-00093	20224	Cs-134	0.0099 U J	0.028	0.0022	20546	Cs-134	0.016 SK	0.0069	0.0023

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00093	20224	Cs-137	0 U	0.011	0.0024	20546	Cs-137	-0.0059 U	0.012	0.0036
5B-00093	20224	Eu-152	0.0097 U	0.026	0.0041	20546	Eu-152	0.0137 U	0.028	0.0071
5B-00093	20224	Eu-154	0.0092 U	0.066	0.0087	20546	Eu-154	0.0039 U	0.069	0.0077
5B-00093	20224	Eu-155	0.098 SK	0.027	0.012	20546	Eu-155	0.079 SK	0.027	0.011
5B-00093	20224	Ho-166m	0.0259 JSK	0.017	0.0028	20546	Ho-166m	0.0083 SK	0.016	0.0044
5B-00093	20224	K-40	19	0.1	0.56	20546	K-40	18.9	0.11	0.56
5B-00093	20224	Na-22	-0.0028 U	0.015	0.0044	20546	Na-22	0.0019 U	0.016	0.0047
5B-00093	20224	Nb-94	0.0024 U	0.0094	0.002	20546	Nb-94	0.004 U	0.0097	0.003
5B-00093	20224	Np-236	0.0063 U	0.022	0.0067	20546	Np-236	0.0082 U	0.023	0.007
5B-00093	20224	Np-239	-0.004 U	0.064	0.019	20546	Np-239	-0.016 U	0.065	0.02
5B-00093	20224	Pa-231	0.06 U	0.36	0.11	20546	Pa-231	-0.08 U	0.42	0.13
5B-00093	20224	Pb-212	1.76	0.018	0.07	20546	Pb-212	1.82	0.019	0.073
5B-00093	20224	Pb-214	0.729	0.019	0.025	20546	Pb-214	0.786	0.02	0.027
5B-00093	20224	Pu-236	-0.00045 U	0.0044	0.0005	20546	Pu-236	0.0008 U	0.0022	0.0008
5B-00093	20224	Pu-238	0.0003 U	0.0044	0.00089	20546	Pu-238	0.0008 U	0.0022	0.0008
5B-00093	20224	Pu-239/Pu-240	0.00074 U	0.002	0.00074	20546	Pu-239/Pu-240	0.00032 U	0.0047	0.00096
5B-00093	20224	Pu-244	-0.00044 U	0.0044	0.0005	20546	Pu-244	0.0032	0.0021	0.0016
5B-00093	20224	Rn-220	1.43	0.018	0.094	20546	Rn-220	1.48	0.019	0.097
5B-00093	20224	Rn-222	0.675	0.017	0.033	20546	Rn-222	0.736	0.02	0.036
5B-00093	20224	Sb-125	0.109 SK	0.022	0.0063	20546	Sb-125	0.178 JSK	0.03	0.0098
5B-00093	20224	Sn-126	-0.0004 U	0.011	0.0032	20546	Sn-126	-0.002 U	0.011	0.0034
5B-00093	20224	Sr-90	0.016 U	0.036	0.011	20546	Sr-90	-0.004 U	0.035	0.01

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00093	20224	Te-125m	0.0251 SK	0.0052	0.0015	20546	Te-125m	0.0412 JSK	0.0069	0.0023
5B-00093	20224	Th-228	1.48	0.015	0.07	20546	Th-228	1.47	0.019	0.076
5B-00093	20224	Th-229	0 U	0.022	0.0059	20546	Th-229	0.0071	0.013	0.0044
5B-00093	20224	Th-230	0.892	0.007	0.045	20546	Th-230	0.973	0.012	0.054
5B-00093	20224	Th-232	1.41	0.005	0.067	20546	Th-232	1.51	0.01	0.078
5B-00093	20224	Th-234	1.51 R	0.12	0.075	20546	Th-234	0.434	0.13	0.043
5B-00093	20224	Tl-208	0.535	0.013	0.018	20546	Tl-208	0.554	0.012	0.019
5B-00093	20224	Tm-171	-1.7 U	4.9	1.5	20546	Tm-171	-6 R U	4.3	1.3
5B-00093	20224	U-233/U-234	0.851	0.008	0.047	20546	U-233/U-234	0.786	0.009	0.045
5B-00093	20224	U-235/U-236	0.0534	0.01	0.0092	20546	U-235/U-236	0.0464	0.011	0.0088
5B-00093	20224	U-238	0.817	0.01	0.046	20546	U-238	0.768	0.016	0.044
5B-00103	20232	Ac-228	1.21	0.056	0.042	20522	Ac-228	1.24	0.084	0.042
5B-00103	20232	Actinium 227	0.063	0.082	0.018	20522	Actinium 227	0.045 U	0.14	0.014
5B-00103	20232	Ag-108	-0.0032 R U	0.0011	0.00037	20522	Ag-108	-0.0017 R U	0.0014	0.00043
5B-00103	20232	Ag-108m	-0.0344 R U	0.012	0.004	20522	Ag-108m	-0.0183 R U	0.015	0.0047
5B-00103	20232	Am-241	0.001 U	0.0093	0.0024	20522	Am-241	-0.0009 U	0.0085	0.0017
5B-00103	20232	Ba-133	-0.0913 R U	0.019	0.0068	20522	Ba-133	-0.0824 R U	0.022	0.0075
5B-00103	20232	Ba-137m	-0.0008 U	0.01	0.0031	20522	Ba-137m	0.0004 U	0.016	0.0047
5B-00103	20232	Bi-212	0.966	0.1	0.067	20522	Bi-212	0.958	0.13	0.076
5B-00103	20232	Bi-214	0.682	0.02	0.026	20522	Bi-214	0.917	0.024	0.032
5B-00103	20232	Cd-113m	5.2 U	32	9.5	20522	Cd-113m	-6 U	41	12
5B-00103	20232	Cf-249	0.0024 U R	0.054	0.0033	20522	Cf-249	0.009 U R	0.058	0.017

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00103	20232	Cm-243/Cm-244	0.0079	0.0027	0.0028	20522	Cm-243/Cm-244	-0.0027 U J	0.0096	0.0017
5B-00103	20232	Cm-245/Cm-246	0 U J	0.0037	0.0015	20522	Cm-245/Cm-246	0.0012 U J	0.0032	0.0012
5B-00103	20232	Cm-247/Cm-248	0.0027 U	0.0036	0.0019	20522	Cm-247/Cm-248	0.0035 J	0.0032	0.002
5B-00103	20232	Co-60	0.0016 U	0.013	0.004	20522	Co-60	0.0015 U	0.018	0.0035
5B-00103	20232	Cs-134	0.0121 U	0.031	0.0036	20522	Cs-134	0.0097 U	0.052	0.0035
5B-00103	20232	Cs-137	-0.0008 U	0.011	0.0033	20522	Cs-137	0.0004 U	0.017	0.005
5B-00103	20232	Eu-152	0.0144 U	0.03	0.0078	20522	Eu-152	0.0174 U	0.039	0.0076
5B-00103	20232	Eu-154	0.006 U	0.071	0.0058	20522	Eu-154	0.011 U	0.058	0.013
5B-00103	20232	Eu-155	0.09 SK	0.029	0.013	20522	Eu-155	0.077 SK	0.034	0.014
5B-00103	20232	Ho-166m	0.0133 SK	0.017	0.0047	20522	Ho-166m	0.0053 U	0.024	0.007
5B-00103	20232	K-40	19.5	0.14	0.65	20522	K-40	19.4	0.12	0.59
5B-00103	20232	Na-22	-0.0046 U	0.017	0.0052	20522	Na-22	0.0035 U	0.024	0.0072
5B-00103	20232	Nb-94	-0.0017 U	0.0094	0.0028	20522	Nb-94	0.004 U	0.014	0.0043
5B-00103	20232	Np-236	0.0111 SK	0.022	0.0068	20522	Np-236	-0.0018 U	0.031	0.0093
5B-00103	20232	Np-239	-0.003 U	0.072	0.022	20522	Np-239	0.011 U	0.085	0.026
5B-00103	20232	Pa-231	0.19 U	0.45	0.14	20522	Pa-231	0.06 U	0.58	0.17
5B-00103	20232	Pb-212	1.52	0.019	0.08	20522	Pb-212	1.62	0.022	0.066
5B-00103	20232	Pb-214	0.753	0.02	0.029	20522	Pb-214	0.995	0.028	0.035
5B-00103	20232	Pu-236	0 U	0.0017	0.0007	20522	Pu-236	-0.0028 U	0.0096	0.0023
5B-00103	20232	Pu-238	-0.0025 U	0.0075	0.0014	20522	Pu-238	0.0011 U	0.0059	0.0016
5B-00103	20232	Pu-239/Pu-240	0 U	0.0046	0.00093	20522	Pu-239/Pu-240	0 U	0.0041	0.00083
5B-00103	20232	Pu-244	0.0019	0.0017	0.0011	20522	Pu-244	-0.00055 U	0.004	0.00062

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00103	20232	Rn-220	1.24	0.02	0.1	20522	Rn-220	1.29	0.02	0.1
5B-00103	20232	Rn-222	0.718	0.02	0.039	20522	Rn-222	0.956	0.024	0.047
5B-00103	20232	Sb-125	0.121 SK	0.03	0.0082	20522	Sb-125	0.148 RSK	0.032	0.012
5B-00103	20232	Sn-126	-0.0013 U	0.0086	0.0026	20522	Sn-126	-0.0009 U	0.016	0.0049
5B-00103	20232	Sr-90	0.012 U	0.043	0.013	20522	Sr-90	0.038	0.061	0.019
5B-00103	20232	Te-125m	0.0279 SK	0.007	0.0019	20522	Te-125m	0.0341 RSK	0.0074	0.0027
5B-00103	20232	Th-228	1.33	0.023	0.07	20522	Th-228	1.48	0.015	0.074
5B-00103	20232	Th-229	0.0079	0.014	0.0047	20522	Th-229	0.0079	0.011	0.0038
5B-00103	20232	Th-230	1	0.014	0.056	20522	Th-230	1.05	0.008	0.055
5B-00103	20232	Th-232	1.31	0.01	0.069	20522	Th-232	1.41	0.008	0.071
5B-00103	20232	Th-234	1.36	0.13	0.078	20522	Th-234	0.662	0.14	0.051
5B-00103	20232	Tl-208	0.466	0.014	0.018	20522	Tl-208	0.496	0.017	0.019
5B-00103	20232	Tm-171	-2.4 U	5.1	1.6	20522	Tm-171	-0.6 U	6.2	1.9
5B-00103	20232	U-233/U-234	0.789	0.01	0.043	20522	U-233/U-234	0.681	0.009	0.038
5B-00103	20232	U-235/U-236	0.0579	0.0082	0.0086	20522	U-235/U-236	0.0325	0.0031	0.0063
5B-00103	20232	U-238	0.78	0.008	0.042	20522	U-238	0.78	0.003	0.042
5B-00105	20243	Ac-228	1.11	0.052	0.039	20543	Ac-228	1.19	0.054	0.042
5B-00105	20243	Actinium 227	0.036 U	0.1	0.033	20543	Actinium 227	0.024 U	0.11	0.028
5B-00105	20243	Ag-108	-0.00342 R U	0.0011	0.00036	20543	Ag-108	-0.0027 R U	0.0011	0.00035
5B-00105	20243	Ag-108m	-0.0368 R U	0.011	0.0039	20543	Ag-108m	-0.0291 R U	0.011	0.0038
5B-00105	20243	Am-241	0.0032	0.0059	0.002	20543	Am-241	0.0016 U J	0.0043	0.0016
5B-00105	20243	Ba-133	-0.0208 R U	0.014	0.0044	20543	Ba-133	-0.0182 R U	0.014	0.0044

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00105	20243	Ba-137m	-0.0062 U	0.01	0.0032	20543	Ba-137m	-0.0002 U	0.011	0.0033
5B-00105	20243	Bi-212	0.933	0.098	0.064	20543	Bi-212	1.02	0.1	0.07
5B-00105	20243	Bi-214	0.668	0.016	0.025	20543	Bi-214	0.721	0.02	0.028
5B-00105	20243	Cd-113m	-5.6 U	30	9.1	20543	Cd-113m	11.1 U	31	9.5
5B-00105	20243	Cf-249	-0.016 U R	0.044	0.013	20543	Cf-249	0.0028 U R	0.055	0.0028
5B-00105	20243	Cm-243/Cm-244	-0.0016 U	0.012	0.0029	20543	Cm-243/Cm-244	-0.0016 U	0.012	0.0018
5B-00105	20243	Cm-245/Cm-246	0 U J	0.0073	0.0015	20543	Cm-245/Cm-246	0.0032 J	0.0029	0.0018
5B-00105	20243	Cm-247/Cm-248	-0.0019 U	0.009	0.0015	20543	Cm-247/Cm-248	0 U	0.0076	0.0016
5B-00105	20243	Co-60	0.00056 U	0.013	0.00038	20543	Co-60	0.001 U	0.01	0.0017
5B-00105	20243	Cs-134	0.0077 U	0.027	0.0019	20543	Cs-134	0.0145 SK	0.0073	0.0042
5B-00105	20243	Cs-137	-0.0065 U	0.011	0.0034	20543	Cs-137	-0.0002 U	0.012	0.0035
5B-00105	20243	Eu-152	0.0123 U	0.025	0.0059	20543	Eu-152	0.0049 U	0.018	0.0058
5B-00105	20243	Eu-154	-0.018 U	0.062	0.019	20543	Eu-154	0.02 U	0.053	0.016
5B-00105	20243	Eu-155	0.073 SK	0.027	0.011	20543	Eu-155	0.052 SK	0.034	0.011
5B-00105	20243	Ho-166m	0.0069 U	0.016	0.0034	20543	Ho-166m	0.0009 U	0.018	0.0053
5B-00105	20243	K-40	18.9	0.12	0.63	20543	K-40	19.1	0.12	0.63
5B-00105	20243	Na-22	-0.001 U	0.013	0.0039	20543	Na-22	0.0028 U	0.016	0.0048
5B-00105	20243	Nb-94	0.0028 U	0.009	0.0027	20543	Nb-94	0.0048 SK	0.0097	0.0029
5B-00105	20243	Np-236	-0.0017 U	0.021	0.0064	20543	Np-236	-0.0042 U	0.025	0.0074
5B-00105	20243	Np-239	0.014 U	0.064	0.019	20543	Np-239	0.006 U	0.068	0.02
5B-00105	20243	Pa-231	0.1 U	0.41	0.12	20543	Pa-231	0.031 U	0.45	0.02
5B-00105	20243	Pb-212	1.46	0.018	0.077	20543	Pb-212	1.49	0.025	0.079

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00105	20243	Pb-214	0.748	0.021	0.029	20543	Pb-214	0.806	0.019	0.03
5B-00105	20243	Pu-236	-0.00045 U	0.0045	0.00051	20543	Pu-236	0 U	0.0023	0.00074
5B-00105	20243	Pu-238	-0.001 U	0.0069	0.0013	20543	Pu-238	0.00085 U	0.0023	0.00085
5B-00105	20243	Pu-239/Pu-240	0 U	0.002	0.00065	20543	Pu-239/Pu-240	-0.0002 U	0.0062	0.0012
5B-00105	20243	Pu-244	0.0026	0.0045	0.0016	20543	Pu-244	0.0037	0.0051	0.002
5B-00105	20243	Rn-220	1.2	0.02	0.1	20543	Rn-220	1.26	0.02	0.11
5B-00105	20243	Rn-222	0.708	0.016	0.038	20543	Rn-222	0.764	0.019	0.041
5B-00105	20243	Sb-125	0.134 JSK	0.027	0.0087	20543	Sb-125	0.145 JSK	0.029	0.0096
5B-00105	20243	Sn-126	0.0013 U	0.0089	0.0027	20543	Sn-126	0.0009 U	0.011	0.0033
5B-00105	20243	Sr-90	0.0087 U	0.03	0.0089	20543	Sr-90	0.0073 U	0.032	0.0096
5B-00105	20243	Te-125m	0.0309 JSK	0.0062	0.002	20543	Te-125m	0.0334 JSK	0.0067	0.0022
5B-00105	20243	Th-228	1.32	0.018	0.068	20543	Th-228	1.4	0.032	0.076
5B-00105	20243	Th-229	0.0073	0.011	0.004	20543	Th-229	0.0064 U	0.016	0.0051
5B-00105	20243	Th-230	1.02	0.013	0.055	20543	Th-230	1.04	0.012	0.06
5B-00105	20243	Th-232	1.23	0.009	0.064	20543	Th-232	1.32	0.009	0.072
5B-00105	20243	Th-234	1.35 R	0.11	0.075	20543	Th-234	1.46 R	0.13	0.082
5B-00105	20243	Tl-208	0.448	0.012	0.017	20543	Tl-208	0.47	0.014	0.018
5B-00105	20243	Tm-171	-0.7 U	4.9	1.5	20543	Tm-171	-0.1 U	5.2	1.6
5B-00105	20243	U-233/U-234	0.842	0.01	0.046	20543	U-233/U-234	0.759	0.014	0.043
5B-00105	20243	U-235/U-236	0.0468	0.0096	0.0082	20543	U-235/U-236	0.0425	0.01	0.0082
5B-00105	20243	U-238	0.85	0.01	0.047	20543	U-238	0.742	0.011	0.043
5B-00126	20288	Ac-228	1.29	0.087	0.045	20525	Ac-228	1.42	0.074	0.049

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00126	20288	Actinium 227	0.031	0.15	0.039	20525	Actinium 227	0.054 U	0.13	0.052
5B-00126	20288	Ag-108	0.00036	0.0011	0.00032	20525	Ag-108	-0.00161 R U	0.0011	0.00036
5B-00126	20288	Ag-108m	0.0038	0.012	0.0035	20525	Ag-108m	-0.0174 R U	0.012	0.0039
5B-00126	20288	Am-241	0.0028	0.013	0.0035	20525	Am-241	-0.0066 U	0.019	0.0045
5B-00126	20288	Ba-133	-0.101	0.025	0.0086	20525	Ba-133	-0.0245 R U	0.018	0.0055
5B-00126	20288	Ba-137m	0.092	0.013	0.007	20525	Ba-137m	0.0896	0.012	0.0075
5B-00126	20288	Bi-212	1.07	0.13	0.076	20525	Bi-212	1.38	0.15	0.093
5B-00126	20288	Bi-214	0.96	0.027	0.034	20525	Bi-214	1.02	0.022	0.038
5B-00126	20288	Cd-113m	-0.5	44	13	20525	Cd-113m	-1.9 U	29	8.7
5B-00126	20288	Cf-249	-0.014	0.07	0.021	20525	Cf-249	-0.001 U R	0.059	0.018
5B-00126	20288	Cm-243/Cm-244	0	0.0099	0.002	20525	Cm-243/Cm-244	0 U	0.0029	0.0012
5B-00126	20288	Cm-245/Cm-246	0.0047	0.0025	0.0021	20525	Cm-245/Cm-246	0.0025 U J	0.009	0.0025
5B-00126	20288	Cm-247/Cm-248	0.00091	0.0025	0.00092	20525	Cm-247/Cm-248	0 U J	0.0033	0.0013
5B-00126	20288	Co-60	0.0052	0.02	0.0053	20525	Co-60	-0.0043 U	0.018	0.0053
5B-00126	20288	Cs-134	0.0146	0.055	0.0046	20525	Cs-134	0.0186 U	0.054	0.0052
5B-00126	20288	Cs-137	0.0973	0.013	0.0074	20525	Cs-137	0.0948	0.013	0.0079
5B-00126	20288	Eu-152	-0.013	0.043	0.013	20525	Eu-152	-0.014 U	0.036	0.011
5B-00126	20288	Eu-154	-0.052	0.12	0.035	20525	Eu-154	-0.001 U	0.082	0.024
5B-00126	20288	Eu-155	0.084	0.036	0.015	20525	Eu-155	0.001 U	0.037	0.011
5B-00126	20288	Ho-166m	0.0048	0.027	0.0077	20525	Ho-166m	0.0044 U	0.019	0.0045
5B-00126	20288	K-40	22.2	0.14	0.67	20525	K-40	22.3	0.14	0.74
5B-00126	20288	Na-22	-0.0043	0.028	0.0083	20525	Na-22	0.0005 U	0.023	0.0068

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00126	20288	Nb-94	0.0055	0.015	0.0045	20525	Nb-94	0.0033 U	0.011	0.0025
5B-00126	20288	Np-236	-0.001	0.033	0.0099	20525	Np-236	-0.011 U	0.029	0.0087
5B-00126	20288	Np-239	0.002	0.078	0.024	20525	Np-239	0.063	0.07	0.03
5B-00126	20288	Pa-231	0.09	0.63	0.19	20525	Pa-231	-0.07 U	0.47	0.14
5B-00126	20288	Pb-212	1.6	0.034	0.066	20525	Pb-212	2.3	0.03	0.12
5B-00126	20288	Pb-214	1.07	0.03	0.036	20525	Pb-214	1.13	0.021	0.042
5B-00126	20288	Pu-236	0.00103	0.0014	0.00073	20525	Pu-236	-0.0015 U	0.0054	0.00097
5B-00126	20288	Pu-238	-0.00051	0.0048	0.00096	20525	Pu-238	-0.0025 U	0.0066	0.0013
5B-00126	20288	Pu-239/Pu-240	0.0031	0.0014	0.0013	20525	Pu-239/Pu-240	0.003	0.0037	0.0014
5B-00126	20288	Pu-244	0.0026	0.0038	0.0014	20525	Pu-244	0.0025	0.0014	0.0011
5B-00126	20288	Rn-220	1.33	0.03	0.1	20525	Rn-220	1.84	0.03	0.15
5B-00126	20288	Rn-222	1.02	0.027	0.05	20525	Rn-222	1.08	0.021	0.056
5B-00126	20288	Sb-125	0.121	0.043	0.0097	20525	Sb-125	0.203 SK	0.043	0.014
5B-00126	20288	Sn-126	-0.0043	0.018	0.0053	20525	Sn-126	-0.0003 U	0.0098	0.0029
5B-00126	20288	Sr-90	0.038	0.049	0.015	20525	Sr-90	0.021 U	0.041	0.013
5B-00126	20288	Te-125m	0.028	0.0099	0.0022	20525	Te-125m	0.0469 SK	0.01	0.0032
5B-00126	20288	Th-228	1.31	0.022	0.067	20525	Th-228	1.41	0.019	0.072
5B-00126	20288	Th-229	0.016	0.01	0.0046	20525	Th-229	0.0162	0.0032	0.0044
5B-00126	20288	Th-230	0.935	0.01	0.051	20525	Th-230	1.05	0.003	0.057
5B-00126	20288	Th-232	1.18	0.008	0.062	20525	Th-232	1.31	0.009	0.068
5B-00126	20288	Th-234	1.76	0.16	0.095	20525	Th-234	1.64	0.14	0.092
5B-00126	20288	Tl-208	0.529	0.019	0.02	20525	Tl-208	0.697	0.022	0.028

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00126	20288	Tm-171	-2.9	6.6	2	20525	Tm-171	-1.8 U	7.9	2.4
5B-00126	20288	U-233/U-234	0.742	0.007	0.041	20525	U-233/U-234	0.893	0.013	0.049
5B-00126	20288	U-235/U-236	0.0437	0.011	0.0077	20525	U-235/U-236	0.0431	0.0038	0.008
5B-00126	20288	U-238	0.735	0.002	0.04	20525	U-238	0.873	0.012	0.048
5B-00146	20333	Ac-228	1.19	0.078	0.04	20540	Ac-228	1.19	0.056	0.042
5B-00146	20333	Actinium 227	0.062 U	0.14	0.042	20540	Actinium 227	0.042 U	0.11	0.037
5B-00146	20333	Ag-108	-0.00141 R U	0.0014	0.00043	20540	Ag-108	-0.00363 R U	0.0011	0.00039
5B-00146	20333	Ag-108m	-0.0152 R U	0.015	0.0046	20540	Ag-108m	-0.039 R U	0.012	0.0042
5B-00146	20333	Am-241	0.00117 U	0.0016	0.00083	20540	Am-241	0 U	0.0061	0.0012
5B-00146	20333	Ba-133	-0.103 R U	0.023	0.0081	20540	Ba-133	-0.0864 R U	0.018	0.0066
5B-00146	20333	Ba-137m	0.0011 U	0.015	0.0044	20540	Ba-137m	-0.0066 U	0.011	0.0035
5B-00146	20333	Bi-212	0.937	0.14	0.083	20540	Bi-212	0.965	0.1	0.065
5B-00146	20333	Bi-214	0.942	0.027	0.034	20540	Bi-214	0.878	0.022	0.033
5B-00146	20333	Cd-113m	-3 U	40	12	20540	Cd-113m	3.8 U	31	9.5
5B-00146	20333	Cf-249	0.032 R	0.049	0.015	20540	Cf-249	-0.024 U R	0.049	0.015
5B-00146	20333	Cm-243/Cm-244	0.00057 U J	0.0016	0.00057	20540	Cm-243/Cm-244	0 U	0.0022	0.00091
5B-00146	20333	Cm-245/Cm-246	0.0009 U J	0.0067	0.0016	20540	Cm-245/Cm-246	0 U J	0.0026	0.0011
5B-00146	20333	Cm-247/Cm-248	0.00089 U J	0.0024	0.00089	20540	Cm-247/Cm-248	0 U	0.0026	0.0011
5B-00146	20333	Co-60	-0.0034 U	0.019	0.0058	20540	Co-60	0 U	0.013	0.0042
5B-00146	20333	Cs-134	-0.0019 U	0.05	0.0064	20540	Cs-134	0.0157 U J	0.035	0.0046
5B-00146	20333	Cs-137	0.0011 U	0.015	0.0046	20540	Cs-137	-0.007 U	0.012	0.0037
5B-00146	20333	Eu-152	0.0147 U	0.038	0.0092	20540	Eu-152	-0.0119 U	0.028	0.0085

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00146	20333	Eu-154	0.013 U	0.1	0.016	20540	Eu-154	0.016 U	0.072	0.0042
5B-00146	20333	Eu-155	0.074 SK	0.033	0.014	20540	Eu-155	0.079 SK	0.029	0.012
5B-00146	20333	Ho-166m	0.0067 U	0.026	0.0084	20540	Ho-166m	0.0254 SK	0.019	0.0033
5B-00146	20333	K-40	19.8	0.15	0.6	20540	K-40	20.5	0.14	0.68
5B-00146	20333	Na-22	-0.0081 U	0.024	0.0073	20540	Na-22	0.0013 U	0.017	0.005
5B-00146	20333	Nb-94	0.004 U	0.014	0.0042	20540	Nb-94	0.0065 SK	0.008	0.0036
5B-00146	20333	Np-236	0.0042 U	0.03	0.009	20540	Np-236	-0.014 L U	0.022	0.0068
5B-00146	20333	Np-239	-0.035 U	0.08	0.024	20540	Np-239	-0.001 U	0.068	0.02
5B-00146	20333	Pa-231	-0.03 U J	0.43	0.13	20540	Pa-231	0.03 U	0.45	0.14
5B-00146	20333	Pb-212	1.53	0.021	0.062	20540	Pb-212	1.45	0.02	0.077
5B-00146	20333	Pb-214	1.03	0.022	0.034	20540	Pb-214	1.01	0.023	0.037
5B-00146	20333	Pu-236	0.0018	0.0024	0.0013	20540	Pu-236	0.0015 U	0.006	0.0016
5B-00146	20333	Pu-238	-0.0007 U	0.0074	0.0014	20540	Pu-238	-0.0021 U	0.0087	0.0016
5B-00146	20333	Pu-239/Pu-240	-0.00108 U	0.0065	0.00085	20540	Pu-239/Pu-240	0.00033 U	0.0049	0.00099
5B-00146	20333	Pu-244	0.0018	0.0024	0.0013	20540	Pu-244	0.0002 U	0.0068	0.0015
5B-00146	20333	Rn-220	1.23	0.02	0.1	20540	Rn-220	1.21	0.02	0.1
5B-00146	20333	Rn-222	0.984	0.022	0.048	20540	Rn-222	0.942	0.022	0.05
5B-00146	20333	Sb-125	0.136 SK	0.033	0.011	20540	Sb-125	0.116 SK	0.032	0.0082
5B-00146	20333	Sn-126	0.0048 U	0.015	0.0046	20540	Sn-126	0.00009 U J	0.011	0.0032
5B-00146	20333	Sr-90	-0.001 U	0.049	0.014	20540	Sr-90	0.012 U	0.048	0.014
5B-00146	20333	Te-125m	0.0313 SK	0.0076	0.0026	20540	Te-125m	0.0268 SK	0.0073	0.0019
5B-00146	20333	Th-228	1.23	0.009	0.065	20540	Th-228	1.18	0.011	0.058

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00146	20333	Th-229	0.0094	0.0087	0.0038	20540	Th-229	0.0078	0.01	0.0038
5B-00146	20333	Th-230	0.909	0.009	0.051	20540	Th-230	0.919	0.007	0.047
5B-00146	20333	Th-232	1.12	0.003	0.06	20540	Th-232	1.13	0.006	0.056
5B-00146	20333	Th-234	1.46 R	0.14	0.08	20540	Th-234	1.45 R	0.12	0.08
5B-00146	20333	Tl-208	0.441	0.017	0.017	20540	Tl-208	0.445	0.013	0.017
5B-00146	20333	Tm-171	0.005 U J	5.4	1.6	20540	Tm-171	-0.7 U	5.3	1.6
5B-00146	20333	U-233/U-234	0.865	0.005	0.044	20540	U-233/U-234	0.707	0.009	0.042
5B-00146	20333	U-235/U-236	0.0514	0.0024	0.0071	20540	U-235/U-236	0.0271	0.012	0.0071
5B-00146	20333	U-238	0.865	0.005	0.044	20540	U-238	0.749	0.003	0.044
5B-00150	20339	Ac-228	1.21	0.065	0.043	20528	Ac-228	1.03	0.089	0.06
5B-00150	20339	Actinium 227	-0.003 U	0.12	0.036	20528	Actinium 227	0.088 J	0.093	0.02
5B-00150	20339	Ag-108	-0.00332 U R	0.0013	0.00042	20528	Ag-108	-0.00171 R U	0.0013	0.00042
5B-00150	20339	Ag-108m	-0.0357 U R	0.014	0.0046	20528	Ag-108m	-0.0184 R U	0.014	0.0045
5B-00150	20339	Am-241	0.001 U	0.0027	0.001	20528	Am-241	0.0064	0.0025	0.0025
5B-00150	20339	Ba-133	-0.0269 U R	0.016	0.0052	20528	Ba-133	-0.0912 R U	0.021	0.0073
5B-00150	20339	Ba-137m	0.0187	0.012	0.0039	20528	Ba-137m	0.0301	0.012	0.0057
5B-00150	20339	Bi-212	1.01	0.1	0.067	20528	Bi-212	0.902	0.1	0.06
5B-00150	20339	Bi-214	0.871	0.023	0.033	20528	Bi-214	0.841	0.024	0.03
5B-00150	20339	Cd-113m	-1 U	35	10	20528	Cd-113m	-8 U	39	12
5B-00150	20339	Cf-249	-0.048 U R	0.054	0.017	20528	Cf-249	-0.031 U R	0.055	0.017
5B-00150	20339	Cm-243/Cm-244	0 U	0.013	0.0033	20528	Cm-243/Cm-244	0.0027 U	0.0097	0.0028
5B-00150	20339	Cm-245/Cm-246	0.00083 U J	0.0022	0.00083	20528	Cm-245/Cm-246	0.002 U J	0.0072	0.002

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00150	20339	Cm-247/Cm-248	0 U	0.006	0.0012	20528	Cm-247/Cm-248	0 U	0.0026	0.0011
5B-00150	20339	Co-60	-0.00002 U	0.014	0.0042	20528	Co-60	-0.0005 U	0.018	0.0052
5B-00150	20339	Cs-134	0.0068 U	0.046	0.0022	20528	Cs-134	0.0185 U	0.05	0.0057
5B-00150	20339	Cs-137	0.0198	0.013	0.0041	20528	Cs-137	0.0318	0.013	0.006
5B-00150	20339	Eu-152	0.0077 U	0.03	0.0058	20528	Eu-152	-0.014 U	0.035	0.011
5B-00150	20339	Eu-154	-0.026 U	0.08	0.024	20528	Eu-154	0.014 U	0.083	0.011
5B-00150	20339	Eu-155	0.085 SK	0.032	0.014	20528	Eu-155	0.079 SK	0.032	0.013
5B-00150	20339	Ho-166m	0.0009 U	0.02	0.004	20528	Ho-166m	0.0114 U	0.024	0.0058
5B-00150	20339	K-40	20.5	0.14	0.68	20528	K-40	19.4	0.14	0.59
5B-00150	20339	Na-22	0.0075 U	0.019	0.0059	20528	Na-22	0.0082 U	0.023	0.0068
5B-00150	20339	Nb-94	0.0038 U	0.011	0.0021	20528	Nb-94	0.005 U	0.013	0.003
5B-00150	20339	Np-236	-0.004 U	0.027	0.0081	20528	Np-236	-0.0076 U	0.029	0.0089
5B-00150	20339	Np-239	0.001 U	0.072	0.022	20528	Np-239	-0.01 U	0.072	0.022
5B-00150	20339	Pa-231	0.01 U	0.5	0.15	20528	Pa-231	-0.008 U	0.56	0.17
5B-00150	20339	Pb-212	1.45	0.028	0.077	20528	Pb-212	1.52	0.021	0.062
5B-00150	20339	Pb-214	0.974	0.022	0.037	20528	Pb-214	0.941	0.025	0.032
5B-00150	20339	Pu-236	0.0004 U	0.0058	0.0011	20528	Pu-236	0.0023	0.0061	0.0018
5B-00150	20339	Pu-238	0.00091 U	0.0025	0.00091	20528	Pu-238	0.001 U	0.0069	0.0017
5B-00150	20339	Pu-239/Pu-240	0 U	0.0025	0.00079	20528	Pu-239/Pu-240	0.0025	0.0023	0.0014
5B-00150	20339	Pu-244	0.0018	0.0025	0.0013	20528	Pu-244	0.002	0.0049	0.0015
5B-00150	20339	Rn-220	1.23	0.03	0.1	20528	Rn-220	1.21	0.021	0.086
5B-00150	20339	Rn-222	0.923	0.022	0.05	20528	Rn-222	0.891	0.024	0.043

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00150	20339	Sb-125	0.0104 U L,R	0.035	0.0076	20528	Sb-125	0.137 SK	0.039	0.012
5B-00150	20339	Sn-126	0.0039 U	0.012	0.0037	20528	Sn-126	-0.0014 U	0.015	0.0045
5B-00150	20339	Sr-90	0.032	0.045	0.014	20528	Sr-90	0.008 U	0.043	0.013
5B-00150	20339	Te-125m	0.0024 U L,R	0.0081	0.0018	20528	Te-125m	0.0318 SK	0.009	0.0027
5B-00150	20339	Th-228	1.15	0.02	0.06	20528	Th-228	1.21	0.028	0.066
5B-00150	20339	Th-229	0.0109	0.0067	0.0034	20528	Th-229	0.0093	0.011	0.0041
5B-00150	20339	Th-230	0.836	0.008	0.047	20528	Th-230	1.01	0.011	0.057
5B-00150	20339	Th-232	1.14	0.008	0.06	20528	Th-232	1.14	0.011	0.063
5B-00150	20339	Th-234	1.52 R	0.13	0.084	20528	Th-234	0.351 R	0.14	0.046
5B-00150	20339	Tl-208	0.477	0.014	0.019	20528	Tl-208	0.481	0.014	0.017
5B-00150	20339	Tm-171	-2.3 U	5	1.5	20528	Tm-171	-1.2 U	6	1.8
5B-00150	20339	U-233/U-234	0.689	0.004	0.043	20528	U-233/U-234	0.933 J	0.027	0.059
5B-00150	20339	U-235/U-236	0.0411	0.0051	0.0089	20528	U-235/U-236	0.0363 J	0.007	0.0098
5B-00150	20339	U-238	0.702	0.014	0.044	20528	U-238	0.9 J	0.015	0.058
5B-00180	20405	Ac-228	1.19	0.056	0.041	20558	Ac-228	1.32	0.065	0.046
5B-00180	20405	Actinium 227	0.039 U J	0.11	0.037	20558	Actinium 227	0.358 J	0.13	0.019
5B-00180	20405	Ag-108	-0.00079 L U R	0.001	0.00031	20558	Ag-108	-0.00134 R U	0.0012	0.00038
5B-00180	20405	Ag-108m	-0.0085 L U R	0.011	0.0033	20558	Ag-108m	-0.0144 R U	0.013	0.0041
5B-00180	20405	Am-241	0 U	0.0026	0.0011	20558	Am-241	0 U	0.0025	0.001
5B-00180	20405	Ba-133	-0.0249 R U	0.015	0.0048	20558	Ba-133	-0.111 R U	0.021	0.0079
5B-00180	20405	Ba-137m	0.0152	0.0086	0.004	20558	Ba-137m	0.0198	0.0083	0.0034
5B-00180	20405	Bi-212	0.922	0.086	0.056	20558	Bi-212	1.03	0.1	0.064

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00180	20405	Bi-214	0.876	0.02	0.033	20558	Bi-214	0.97	0.023	0.036
5B-00180	20405	Cd-113m	-3.3 U	32	9.7	20558	Cd-113m	32	29	12
5B-00180	20405	Cf-249	0.0032 U R	0.054	0.0035	20558	Cf-249	0.0037 U R	0.063	0.004
5B-00180	20405	Cm-243/Cm-244	-0.0019 U	0.0089	0.0015	20558	Cm-243/Cm-244	0 U	0.0024	0.00099
5B-00180	20405	Cm-245/Cm-246	-0.0012 U J	0.009	0.0014	20558	Cm-245/Cm-246	0.0013 U J	0.0099	0.0024
5B-00180	20405	Cm-247/Cm-248	0 U	0.0033	0.0013	20558	Cm-247/Cm-248	0 U	0.012	0.0028
5B-00180	20405	Co-60	-0.002 U	0.013	0.004	20558	Co-60	-0.0044 U	0.015	0.0047
5B-00180	20405	Cs-134	0.0094 U	0.034	0.0026	20558	Cs-134	0.0085 U	0.047	0.0024
5B-00180	20405	Cs-137	0.0161	0.0091	0.0042	20558	Cs-137	0.0209	0.0088	0.0036
5B-00180	20405	Eu-152	-0.0043 U	0.03	0.009	20558	Eu-152	0.0127 U	0.033	0.0063
5B-00180	20405	Eu-154	0.0029 U	0.071	0.0054	20558	Eu-154	0.0208 U	0.078	0.0084
5B-00180	20405	Eu-155	0.078 SK	0.03	0.013	20558	Eu-155	0.071 SK	0.031	0.013
5B-00180	20405	Ho-166m	0.006 U	0.017	0.0044	20558	Ho-166m	0.0058 U	0.021	0.0039
5B-00180	20405	K-40	19.3	0.14	0.64	20558	K-40	20.5	0.13	0.68
5B-00180	20405	Na-22	0.0029 U	0.017	0.005	20558	Na-22	0.0037 U	0.02	0.006
5B-00180	20405	Nb-94	0.0014 U	0.01	0.0023	20558	Nb-94	0.0039 U	0.0087	0.0026
5B-00180	20405	Np-236	-0.0069 U	0.025	0.0076	20558	Np-236	-0.0029 U	0.028	0.0085
5B-00180	20405	Np-239	-0.012 U	0.072	0.022	20558	Np-239	-0.0007 U	0.074	0.022
5B-00180	20405	Pa-231	0.03 U	0.46	0.14	20558	Pa-231	-0.13 U	0.52	0.16
5B-00180	20405	Pb-212	1.53	0.02	0.081	20558	Pb-212	1.55	0.028	0.083
5B-00180	20405	Pb-214	0.986	0.022	0.037	20558	Pb-214	1.08	0.024	0.04
5B-00180	20405	Pu-236	0.0042	0.0064	0.0023	20558	Pu-236	0.0008 U	0.0022	0.0008

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00180	20405	Pu-238	-0.0002 U	0.0063	0.0012	20558	Pu-238	0.0002 U	0.0066	0.0015
5B-00180	20405	Pu-239/Pu-240	0 U	0.0024	0.00076	20558	Pu-239/Pu-240	0 U	0.0022	0.00069
5B-00180	20405	Pu-244	0.0044	0.0024	0.002	20558	Pu-244	0.0014 U	0.0058	0.0016
5B-00180	20405	Rn-220	1.23	0.02	0.098	20558	Rn-220	1.29	0.03	0.1
5B-00180	20405	Rn-222	0.931	0.02	0.05	20558	Rn-222	1.03	0.023	0.054
5B-00180	20405	Sb-125	0.13 SK	0.031	0.009	20558	Sb-125	0.138 SK	0.035	0.0094
5B-00180	20405	Sn-126	0.0001 U	0.011	0.0034	20558	Sn-126	0.0134	0.011	0.0051
5B-00180	20405	Sr-90	0.009 U	0.047	0.014	20558	Sr-90	0.009 U	0.039	0.012
5B-00180	20405	Te-125m	0.0299 SK	0.0072	0.0021	20558	Te-125m	0.0319 SK	0.008	0.0022
5B-00180	20405	Th-228	1.27	0.02	0.068	20558	Th-228	1.28	0.024	0.067
5B-00180	20405	Th-229	0.0087	0.0026	0.0029	20558	Th-229	0.0037 U	0.011	0.0034
5B-00180	20405	Th-230	0.959	0.01	0.054	20558	Th-230	0.976	0.009	0.053
5B-00180	20405	Th-232	1.24	0.01	0.066	20558	Th-232	1.26	0.007	0.065
5B-00180	20405	Th-234	1.5 R	0.13	0.083	20558	Th-234	1.71 R	0.14	0.094
5B-00180	20405	Tl-208	0.46	0.014	0.018	20558	Tl-208	0.486	0.016	0.02
5B-00180	20405	Tm-171	-4.8 R U	4.4	1.4	20558	Tm-171	1 U	3.6	1.1
5B-00180	20405	U-233/U-234	0.949	0.004	0.054	20558	U-233/U-234	0.948	0.003	0.051
5B-00180	20405	U-235/U-236	0.0473	0.0046	0.0092	20558	U-235/U-236	0.0458	0.0034	0.0079
5B-00180	20405	U-238	0.903	0.004	0.052	20558	U-238	1.03	0.003	0.054
5B-00209	20450	Ac-228	1.39	0.084	0.049	20564	Ac-228	1.22	0.062	0.042
5B-00209	20450	Actinium 227	0.009 U	0.16	0.047	20564	Actinium 227	0.046 U	0.12	0.039
5B-00209	20450	Ag-108	-0.00108 L U R	0.0016	0.00048	20564	Ag-108	-0.00111 R U	0.0011	0.00034

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00209	20450	Ag-108m	-0.0116 L U R	0.017	0.0052	20564	Ag-108m	-0.012 R U	0.012	0.0037
5B-00209	20450	Am-241	0.0051	0.012	0.0038	20564	Am-241	0.0045	0.0024	0.002
5B-00209	20450	Ba-133	-0.0421 R U	0.024	0.0077	20564	Ba-133	-0.115 R U	0.021	0.0079
5B-00209	20450	Ba-137m	0.026	0.014	0.0066	20564	Ba-137m	0.0199	0.0093	0.0044
5B-00209	20450	Bi-212	1.09	0.13	0.08	20564	Bi-212	0.962	0.11	0.074
5B-00209	20450	Bi-214	1.05	0.029	0.037	20564	Bi-214	0.911	0.02	0.034
5B-00209	20450	Cd-113m	-2 U	47	14	20564	Cd-113m	-7 U	35	10
5B-00209	20450	Cf-249	-0.085 R U	0.078	0.024	20564	Cf-249	-0.016 U R	0.053	0.016
5B-00209	20450	Cm-243/Cm-244	0.008 J	0.011	0.0039	20564	Cm-243/Cm-244	0 U	0.0024	0.00098
5B-00209	20450	Cm-245/Cm-246	0.0029 J	0.0026	0.0017	20564	Cm-245/Cm-246	0.0019 U	0.0026	0.0013
5B-00209	20450	Cm-247/Cm-248	0 U J	0.007	0.0014	20564	Cm-247/Cm-248	0 U	0.0025	0.001
5B-00209	20450	Co-60	0.0035 U	0.018	0.0054	20564	Co-60	-0.0015 U	0.014	0.0042
5B-00209	20450	Cs-134	0.005 U	0.07	0.015	20564	Cs-134	0.0067 U	0.037	0.002
5B-00209	20450	Cs-137	0.0274	0.014	0.0069	20564	Cs-137	0.021	0.0099	0.0047
5B-00209	20450	Eu-152	0.0027 U	0.045	0.0023	20564	Eu-152	0.0148 U	0.032	0.009
5B-00209	20450	Eu-154	0.019 U	0.11	0.019	20564	Eu-154	0.009 U	0.068	0.012
5B-00209	20450	Eu-155	0.1 SK	0.052	0.022	20564	Eu-155	0.068 SK	0.031	0.013
5B-00209	20450	Ho-166m	0.0017 U	0.025	0.0076	20564	Ho-166m	0.0037 U	0.02	0.0022
5B-00209	20450	K-40	20.4	0.13	0.62	20564	K-40	21.4	0.14	0.71
5B-00209	20450	Na-22	0.0027 U	0.024	0.0072	20564	Na-22	0.0037 U	0.018	0.0053
5B-00209	20450	Nb-94	0.0063 U	0.015	0.0046	20564	Nb-94	0.0044 U	0.011	0.0033
5B-00209	20450	Np-236	0.0006 U	0.04	0.012	20564	Np-236	0.0062 U	0.027	0.0082

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00209	20450	Np-239	-0.017 U	0.1	0.03	20564	Np-239	-0.009 U	0.076	0.023
5B-00209	20450	Pa-231	0.26 U J	0.69	0.13	20564	Pa-231	0.02 U	0.49	0.15
5B-00209	20450	Pb-212	1.68	0.027	0.051	20564	Pb-212	1.56	0.02	0.082
5B-00209	20450	Pb-214	1.13	0.033	0.049	20564	Pb-214	1.05	0.021	0.039
5B-00209	20450	Pu-236	-0.00051 U	0.005	0.00057	20564	Pu-236	0 U	0.002	0.00062
5B-00209	20450	Pu-238	0.0037	0.005	0.002	20564	Pu-238	0.0032	0.0043	0.0017
5B-00209	20450	Pu-239/Pu-240	0.0034	0.0023	0.0017	20564	Pu-239/Pu-240	0.0025	0.0043	0.0015
5B-00209	20450	Pu-244	0.0037	0.005	0.002	20564	Pu-244	0.0022	0.0019	0.0012
5B-00209	20450	Rn-220	1.38	0.027	0.095	20564	Rn-220	1.26	0.02	0.11
5B-00209	20450	Rn-222	1.09	0.029	0.062	20564	Rn-222	0.981	0.02	0.052
5B-00209	20450	Sb-125	0.017 U L,R	0.038	0.014	20564	Sb-125	0.141 JSK	0.033	0.01
5B-00209	20450	Sn-126	-0.0053 U	0.018	0.0053	20564	Sn-126	0.0019 U	0.012	0.0036
5B-00209	20450	Sr-90	-0.006 U	0.064	0.018	20564	Sr-90	-0.002 U	0.038	0.011
5B-00209	20450	Te-125m	0.0039 U L,R	0.0088	0.0033	20564	Te-125m	0.0326 JSK	0.0075	0.0023
5B-00209	20450	Th-228	1.42	0.021	0.074	20564	Th-228	1.23	0.021	0.063
5B-00209	20450	Th-229	0.0057 U	0.018	0.0052	20564	Th-229	0.0166	0.0091	0.0046
5B-00209	20450	Th-230	1.09	0.004	0.06	20564	Th-230	0.938	0.007	0.05
5B-00209	20450	Th-232	1.39	0.004	0.073	20564	Th-232	1.08	0.006	0.056
5B-00209	20450	Th-234	1.58 R	0.23	0.088	20564	Th-234	0.41 R	0.14	0.046
5B-00209	20450	Tl-208	0.546	0.021	0.021	20564	Tl-208	0.473	0.014	0.018
5B-00209	20450	Tm-171	-14.7 R U J	10	3.2	20564	Tm-171	0.8 U	4.2	1.3
5B-00209	20450	U-233/U-234	1.17 J	0.02	0.07	20564	U-233/U-234	0.862	0.01	0.048

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00209	20450	U-235/U-236	0.068 J	0.019	0.014	20564	U-235/U-236	0.0522	0.01	0.009
5B-00209	20450	U-238	1.08 J	0.006	0.066	20564	U-238	0.901	0.003	0.049
5B-00227	20479	Ac-228	1.27	0.059	0.045	20537	Ac-228	1.2	0.081	0.041
5B-00227	20479	Actinium 227	0.025 U	0.12	0.034	20537	Actinium 227	0.099	0.1	0.031
5B-00227	20479	Ag-108	-0.00103 U R	0.0011	0.00034	20537	Ag-108	-0.00151 U R	0.0013	0.0004
5B-00227	20479	Ag-108m	-0.0111 U R	0.012	0.0036	20537	Ag-108m	-0.0162 U R	0.014	0.0043
5B-00227	20479	Am-241	0.0032	0.0029	0.0019	20537	Am-241	0.0044	0.0081	0.0027
5B-00227	20479	Ba-133	-0.0868 U R	0.018	0.0066	20537	Ba-133	-0.0761 U R	0.021	0.0071
5B-00227	20479	Ba-137m	0.0589	0.01	0.0057	20537	Ba-137m	0.0569	0.012	0.0066
5B-00227	20479	Bi-212	0.983	0.1	0.065	20537	Bi-212	0.976	0.14	0.087
5B-00227	20479	Bi-214	0.752	0.02	0.029	20537	Bi-214	0.764	0.021	0.027
5B-00227	20479	C-14	0.045 J	0.058	0.018	20537	C-14	0.026	0.037	0.012
5B-00227	20479	Cd-113m	24	26	11	20537	Cd-113m	12 U	37	11
5B-00227	20479	Cf-249	0.0039 U R	0.053	0.0027	20537	Cf-249	0.0014 U R	0.061	0.0037
5B-00227	20479	Cm-243/Cm-244	0 U	0.0029	0.0012	20537	Cm-243/Cm-244	0.0011 U	0.014	0.0038
5B-00227	20479	Cm-245/Cm-246	0.0012 U	0.0034	0.0012	20537	Cm-245/Cm-246	0.0026	0.0065	0.002
5B-00227	20479	Cm-247/Cm-248	-0.0012 U	0.009	0.0014	20537	Cm-247/Cm-248	0 U	0.0064	0.0013
5B-00227	20479	Co-60	0.0013 U	0.014	0.0015	20537	Co-60	0.0012 U	0.018	0.0054
5B-00227	20479	Cs-134	0.0128 U	0.043	0.004	20537	Cs-134	0.0002 U	0.047	0.014
5B-00227	20479	Cs-137	0.0623	0.011	0.0061	20537	Cs-137	0.0601	0.013	0.007
5B-00227	20479	Eu-152	-0.0081 U	0.03	0.0092	20537	Eu-152	0.0022 U	0.031	0.0045
5B-00227	20479	Eu-154	0.023 U	0.064	0.012	20537	Eu-154	-0.028 U	0.099	0.03

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00227	20479	Eu-155	0.079 SK	0.031	0.014	20537	Eu-155	0.067 SK	0.032	0.013
5B-00227	20479	Ho-166m	0.0107 SK	0.015	0.0072	20537	Ho-166m	0.0034 U	0.023	0.0054
5B-00227	20479	K-40	20	0.12	0.66	20537	K-40	18.9	0.12	0.57
5B-00227	20479	Na-22	-0.003 U	0.019	0.0057	20537	Na-22	-0.0015 U	0.024	0.0072
5B-00227	20479	Nb-94	0.0052 SK	0.01	0.0031	20537	Nb-94	0.0049 U	0.013	0.004
5B-00227	20479	Ni-59	0 U	0.21	0.053	20537	Ni-59	0 U	0.24	0.072
5B-00227	20479	Ni-63	-0.25 U	0.58	0.17	20537	Ni-63	-0.3 U	0.81	0.25
5B-00227	20479	Np-236	-0.0099 U	0.026	0.0078	20537	Np-236	-0.002 U	0.029	0.0088
5B-00227	20479	Np-239	0.007 U	0.072	0.022	20537	Np-239	0.026 U	0.08	0.024
5B-00227	20479	Pa-231	0.096 U	0.48	0.07	20537	Pa-231	0.13 U	0.5	0.15
5B-00227	20479	Pb-212	1.55	0.024	0.082	20537	Pb-212	1.53	0.027	0.062
5B-00227	20479	Pb-214	0.851	0.021	0.032	20537	Pb-214	0.837	0.024	0.028
5B-00227	20479	Pu-236	0.0015 U	0.0086	0.0023	20537	Pu-236	0.0015 U	0.006	0.0016
5B-00227	20479	Pu-238	0.0058	0.0077	0.0029	20537	Pu-238	0.0024	0.0022	0.0014
5B-00227	20479	Pu-239/Pu-240	0.0022	0.0055	0.0017	20537	Pu-239/Pu-240	0.0033	0.0022	0.0016
5B-00227	20479	Pu-244	0.00093 U	0.0025	0.00093	20537	Pu-244	0 U	0.0022	0.0007
5B-00227	20479	Rn-220	1.27	0.02	0.1	20537	Rn-220	1.26	0.03	0.11
5B-00227	20479	Rn-222	0.801	0.02	0.043	20537	Rn-222	0.8	0.021	0.039
5B-00227	20479	Sb-125	0.131 SK	0.033	0.0094	20537	Sb-125	0.118 SK	0.039	0.0094
5B-00227	20479	Sn-126	0.0004 U	0.012	0.0036	20537	Sn-126	0.0028 U	0.015	0.0044
5B-00227	20479	Sr-90	-0.006 U	0.04	0.011	20537	Sr-90	0.021 U	0.051	0.015
5B-00227	20479	Tc-99	-0.01 U	0.35	0.11	20537	Tc-99	-0.041 U	0.32	0.097

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00227	20479	Te-125m	0.0302 SK	0.0077	0.0022	20537	Te-125m	0.0273 SK	0.0091	0.0022
5B-00227	20479	Th-228	1.25	0.026	0.065	20537	Th-228	1.15	0.022	0.063
5B-00227	20479	Th-229	0.0131	0.013	0.0053	20537	Th-229	0.0051	0.008	0.0028
5B-00227	20479	Th-230	0.989	0.008	0.053	20537	Th-230	0.921	0.013	0.053
5B-00227	20479	Th-232	1.26	0.003	0.065	20537	Th-232	1.15	0.004	0.062
5B-00227	20479	Th-234	1.45 R	0.12	0.08	20537	Th-234	1.64 R	0.14	0.086
5B-00227	20479	Tl-208	0.478	0.015	0.019	20537	Tl-208	0.501	0.018	0.019
5B-00227	20479	Tm-171	0.01 U	4.9	1.5	20537	Tm-171	-1.7 U	5.7	1.7
5B-00227	20479	U-233/U-234	0.923	0.011	0.051	20537	U-233/U-234	0.846	0.003	0.047
5B-00227	20479	U-235/U-236	0.0381	0.004	0.0076	20537	U-235/U-236	0.0435	0.01	0.0083
5B-00227	20479	U-238	0.945	0.009	0.052	20537	U-238	0.849	0.01	0.047
5B-00272	20489	Ac-228	1.1	0.084	0.04	20534	Ac-228	0.969	0.055	0.034
5B-00272	20489	Actinium 227	0.064 U	0.14	0.017	20534	Actinium 227	0.0285 U	0.12	0.0081
5B-00272	20489	Ag-108	-0.00418 U R	0.0016	0.00053	20534	Ag-108	-0.00142 U R	0.0011	0.00035
5B-00272	20489	Ag-108m	-0.0449 U R	0.017	0.0057	20534	Ag-108m	-0.0153 U R	0.012	0.0038
5B-00272	20489	Am-241	0.0025	0.0061	0.0019	20534	Am-241	0 U	0.0097	0.0022
5B-00272	20489	Ba-133	-0.0285 U R	0.02	0.0062	20534	Ba-133	-0.0941 U R	0.019	0.0071
5B-00272	20489	Ba-137m	0.0508	0.013	0.0064	20534	Ba-137m	0.0492	0.01	0.0054
5B-00272	20489	Bi-212	0.914	0.12	0.073	20534	Bi-212	0.612	0.078	0.049
5B-00272	20489	Bi-214	0.908	0.024	0.032	20534	Bi-214	0.888	0.023	0.034
5B-00272	20489	Cd-113m	0.3 U	40	12	20534	Cd-113m	-6.7 U	31	9.5
5B-00272	20489	Cf-249	0.0037 U R	0.065	0.0028	20534	Cf-249	0.0075 U R	0.059	0.0033

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00272	20489	Cm-243/Cm-244	-0.0016 U	0.0088	0.0018	20534	Cm-243/Cm-244	0.001 U	0.0095	0.0024
5B-00272	20489	Cm-245/Cm-246	0.0024	0.0016	0.0012	20534	Cm-245/Cm-246	0.00081 U J	0.0022	0.00081
5B-00272	20489	Cm-247/Cm-248	0 U	0.0016	0.00067	20534	Cm-247/Cm-248	0 U	0.0022	0.00089
5B-00272	20489	Co-60	0.0064 U	0.019	0.0058	20534	Co-60	0.0004 U	0.012	0.002
5B-00272	20489	Cs-134	0.006 U	0.054	0.017	20534	Cs-134	0.0055 U	0.027	0.0052
5B-00272	20489	Cs-137	0.0537	0.014	0.0068	20534	Cs-137	0.052	0.011	0.0058
5B-00272	20489	Eu-152	0.006 U	0.031	0.013	20534	Eu-152	-0.0004 U	0.03	0.0012
5B-00272	20489	Eu-154	0.043 U	0.11	0.016	20534	Eu-154	-0.038 U	0.074	0.023
5B-00272	20489	Eu-155	0.074 SK	0.032	0.013	20534	Eu-155	0.06 SK	0.025	0.01
5B-00272	20489	Ho-166m	0.0022 U	0.021	0.0087	20534	Ho-166m	0.0081 U	0.02	0.0067
5B-00272	20489	K-40	20.9	0.15	0.63	20534	K-40	21.7	0.15	0.72
5B-00272	20489	Na-22	-0.0031 U	0.027	0.008	20534	Na-22	0.0002 U	0.014	0.0043
5B-00272	20489	Nb-94	0.0043 U	0.014	0.0044	20534	Nb-94	0.0116 SK	0.008	0.0035
5B-00272	20489	Np-236	-0.0044 U	0.031	0.0092	20534	Np-236	-0.0028 U	0.027	0.0081
5B-00272	20489	Np-239	0.004 U	0.086	0.026	20534	Np-239	0.04	0.056	0.021
5B-00272	20489	Pa-231	0.11 U	0.59	0.18	20534	Pa-231	0.01 U	0.48	0.14
5B-00272	20489	Pb-212	1.42	0.023	0.058	20534	Pb-212	0.977	0.014	0.052
5B-00272	20489	Pb-214	1.02	0.028	0.035	20534	Pb-214	1.02	0.022	0.038
5B-00272	20489	Pu-236	-0.0002 U	0.0061	0.0012	20534	Pu-236	-0.0002 U	0.0067	0.0013
5B-00272	20489	Pu-238	0.0029	0.005	0.0018	20534	Pu-238	0 U	0.0025	0.0008
5B-00272	20489	Pu-239/Pu-240	0.0037	0.005	0.002	20534	Pu-239/Pu-240	0.0013 U	0.0055	0.0015
5B-00272	20489	Pu-244	0.0025	0.0023	0.0015	20534	Pu-244	0.00093 U	0.0025	0.00093

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00272	20489	Rn-220	1.17	0.023	0.093	20534	Rn-220	0.795	0.014	0.071
5B-00272	20489	Rn-222	0.965	0.024	0.048	20534	Rn-222	0.954	0.022	0.051
5B-00272	20489	Sb-125	0.119 SK	0.041	0.01	20534	Sb-125	0.0771 SK	0.026	0.006
5B-00272	20489	Sn-126	-0.0028 U	0.017	0.005	20534	Sn-126	0.00001 U	0.011	0.0033
5B-00272	20489	Sr-90	0.032	0.037	0.012	20534	Sr-90	-0.011 U	0.041	0.012
5B-00272	20489	Te-125m	0.0276 SK	0.0096	0.0024	20534	Te-125m	0.0178 SK	0.0059	0.0014
5B-00272	20489	Th-228	1.04	0.025	0.057	20534	Th-228	0.98	0.022	0.055
5B-00272	20489	Th-229	0.0054	0.0097	0.0032	20534	Th-229	0.0062	0.0028	0.0025
5B-00272	20489	Th-230	0.793	0.012	0.046	20534	Th-230	0.792	0.015	0.047
5B-00272	20489	Th-232	0.996	0.009	0.055	20534	Th-232	0.995	0.004	0.056
5B-00272	20489	Th-234	0.304 R	0.16	0.049	20534	Th-234	0.367 R	0.14	0.046
5B-00272	20489	Tl-208	0.425	0.017	0.017	20534	Tl-208	0.294	0.011	0.012
5B-00272	20489	Tm-171	-2.1 U	5.9	1.8	20534	Tm-171	-0.9 U	3.8	1.2
5B-00272	20489	U-233/U-234	0.825	0.01	0.049	20534	U-233/U-234	0.855	0.003	0.048
5B-00272	20489	U-235/U-236	0.051	0.013	0.01	20534	U-235/U-236	0.0478	0.0039	0.0086
5B-00272	20489	U-238	0.848	0.004	0.05	20534	U-238	0.87	0.003	0.048
5B-00304	20507	Ac-228	1.41	0.097	0.053	20579	Ac-228	1.4	0.057	0.048
5B-00304	20507	Actinium 227	0.013 U	0.14	0.048	20579	Actinium 227	0.042 U	0.12	0.047
5B-00304	20507	Ag-108	-0.0036 U R	0.0016	0.00052	20579	Ag-108	-0.00129 U R	0.0011	0.00034
5B-00304	20507	Ag-108m	-0.0387 U R	0.017	0.0056	20579	Ag-108m	-0.0139 U R	0.012	0.0036
5B-00304	20507	Am-241	0.0041	0.0076	0.0025	20579	Am-241	0.007	0.013	0.0042
5B-00304	20507	Ba-133	-0.115 U R	0.025	0.0088	20579	Ba-133	0.0107 R	0.0083	0.0037

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00304	20507	Ba-137m	0.0002 U	0.018	0.0054	20579	Ba-137m	-0.0038 U	0.012	0.0037
5B-00304	20507	Bi-212	1.18	0.13	0.079	20579	Bi-212	1.07	0.11	0.07
5B-00304	20507	Bi-214	1.05	0.028	0.037	20579	Bi-214	0.912	0.021	0.031
5B-00304	20507	C-14	0.0168	0.021	0.0066	20579	C-14	0.0039 U	0.023	0.0068
5B-00304	20507	Cd-113m	0.0001 U	45	13	20579	Cd-113m	0.9 U	26	7.8
5B-00304	20507	Cf-249	0.0061 U R	0.069	0.0043	20579	Cf-249	0.0083 U R	0.053	0.0045
5B-00304	20507	Cm-243/Cm-244	0.0032	0.0022	0.0016	20579	Cm-243/Cm-244	0.0011 U	0.0031	0.0011
5B-00304	20507	Cm-245/Cm-246	0.0041	0.0095	0.0029	20579	Cm-245/Cm-246	0.0021 U	0.0076	0.0021
5B-00304	20507	Cm-247/Cm-248	0.002 U	0.0027	0.0014	20579	Cm-247/Cm-248	0.002 U	0.0028	0.0014
5B-00304	20507	Co-60	0.0044 U	0.02	0.0052	20579	Co-60	0.00023 U	0.014	0.00024
5B-00304	20507	Cs-134	0.0212 U	0.061	0.0067	20579	Cs-134	0.0117 U	0.039	0.0029
5B-00304	20507	Cs-137	0.0002 U	0.019	0.0058	20579	Cs-137	-0.004 U	0.013	0.004
5B-00304	20507	Eu-152	0.02 U	0.042	0.01	20579	Eu-152	0.0021 U	0.032	0.0095
5B-00304	20507	Eu-154	-0.004 U	0.11	0.031	20579	Eu-154	0.0009 U	0.076	0.0015
5B-00304	20507	Eu-155	0.087 SK	0.036	0.015	20579	Eu-155	0.101 SK	0.029	0.012
5B-00304	20507	Ho-166m	0.01 U	0.023	0.01	20579	Ho-166m	0.01 SK	0.018	0.0075
5B-00304	20507	K-40	19.8	0.13	0.6	20579	K-40	21.1	0.13	0.63
5B-00304	20507	Na-22	0.0002 U	0.027	0.0079	20579	Na-22	0.0248	0.015	0.0081
5B-00304	20507	Nb-94	0.0053 U	0.015	0.0047	20579	Nb-94	0.0009 U	0.011	0.0033
5B-00304	20507	Ni-59	0 U	0.11	0.031	20579	Ni-59	0 U L	0.15	0.041
5B-00304	20507	Ni-63	-0.08 U	0.43	0.13	20579	Ni-63	0.04 U	0.47	0.14
5B-00304	20507	Np-236	-0.005 U	0.034	0.01	20579	Np-236	-0.0032 U	0.027	0.0081

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00304	20507	Np-239	0.049	0.065	0.024	20579	Np-239	-0.019 U	0.074	0.022
5B-00304	20507	Pa-231	-0.06 U	0.59	0.18	20579	Pa-231	0.16 U	0.48	0.1
5B-00304	20507	Pb-212	1.96	0.026	0.079	20579	Pb-212	1.71	0.028	0.07
5B-00304	20507	Pb-214	1.15	0.026	0.038	20579	Pb-214	1.03	0.022	0.033
5B-00304	20507	Pu-238	-0.00015 U	0.0054	0.00098	20579	Pu-238	0.0049	0.0022	0.002
5B-00304	20507	Pu-239/Pu-240	0.0023	0.002	0.0013	20579	Pu-239/Pu-240	0 U	0.0022	0.00049
5B-00304	20507	Pu-244	0.0022	0.002	0.0013	20579	Pu-244	0.0016	0.0022	0.0012
5B-00304	20507	Rn-220	1.57	0.03	0.11	20579	Rn-220	1.39	0.028	0.099
5B-00304	20507	Rn-222	1.1	0.026	0.053	20579	Rn-222	0.972	0.021	0.045
5B-00304	20507	Sb-125	0.189 SK	0.046	0.013	20579	Sb-125	0.162 SK	0.033	0.01
5B-00304	20507	Sn-126	0.0044 U	0.017	0.0052	20579	Sn-126	0.0007 U	0.012	0.0037
5B-00304	20507	Sr-90	-0.002 U	0.044	0.013	20579	Sr-90	0.002 U	0.041	0.012
5B-00304	20507	Tc-99	-0.076 U	0.29	0.087	20579	Tc-99	-0.074 U	0.29	0.089
5B-00304	20507	Te-125m	0.0437 SK	0.011	0.0031	20579	Te-125m	0.0375 SK	0.0077	0.0023
5B-00304	20507	Th-228	1.61	0.025	0.081	20579	Th-228	1.49	0.014	0.074
5B-00304	20507	Th-229	0.0021 U	0.02	0.0048	20579	Th-229	0.0063	0.0093	0.0034
5B-00304	20507	Th-230	1.13	0.012	0.06	20579	Th-230	1.14	0.003	0.059
5B-00304	20507	Th-232	1.55	0.009	0.078	20579	Th-232	1.44	0.007	0.071
5B-00304	20507	Th-234	0.686 R	0.16	0.057	20579	Th-234	1.7 R	0.13	0.084
5B-00304	20507	Tl-208	0.575	0.016	0.02	20579	Tl-208	0.535	0.015	0.019
5B-00304	20507	Tm-171	-0.1 U	6	1.8	20579	Tm-171	-1.7 U	5.8	1.8
5B-00304	20507	U-233/U-234	0.903	0.003	0.049	20579	U-233/U-234	0.937	0.003	0.051

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00304	20507	U-235/U-236	0.0418	0.01	0.0081	20579	U-235/U-236	0.0557	0.0039	0.0092
5B-00304	20507	U-238	0.876	0.003	0.048	20579	U-238	0.959	0.003	0.052
5B-00305	20510	Ac-228	1.29	0.089	0.048	20531	Ac-228	1.14	0.091	0.041
5B-00305	20510	Actinium 227	0.416 RZ	0.12	0.022	20531	Actinium 227	0.042 U	0.14	0.036
5B-00305	20510	Ag-108	-0.00131 R U	0.0013	0.00039	20531	Ag-108	-0.00011 U R	0.0013	0.00038
5B-00305	20510	Ag-108m	-0.0141 R U	0.014	0.0042	20531	Ag-108m	-0.0011 U R	0.014	0.0041
5B-00305	20510	Am-241	0.0036	0.002	0.0016	20531	Am-241	0.0009 U	0.0064	0.0016
5B-00305	20510	Ba-133	-0.0975 R U	0.022	0.008	20531	Ba-133	-0.0093 U R	0.015	0.0046
5B-00305	20510	Ba-137m	0.0108	0.014	0.0044	20531	Ba-137m	0.0177	0.015	0.0053
5B-00305	20510	Bi-212	1.18	0.12	0.078	20531	Bi-212	1.04	0.12	0.07
5B-00305	20510	Bi-214	1.01	0.025	0.038	20531	Bi-214	0.937	0.027	0.033
5B-00305	20510	C-14	0.016 U	0.044	0.013	20531	C-14	0.098 U	0.21	0.064
5B-00305	20510	Cd-113m	-2 U	38	11	20531	Cd-113m	8 U	39	12
5B-00305	20510	Cf-249	0.011 U R	0.049	0.015	20531	Cf-249	0.023 U R	0.057	0.017
5B-00305	20510	Cm-243/Cm-244	0.0028	0.0019	0.0014	20531	Cm-243/Cm-244	0.00085 U	0.0023	0.00085
5B-00305	20510	Cm-245/Cm-246	0.0086 J K	0.0023	0.0027	20531	Cm-245/Cm-246	-0.00078 U J	0.0057	0.00087
5B-00305	20510	Cm-247/Cm-248	0.0017 U	0.0023	0.0012	20531	Cm-247/Cm-248	0.00076 U	0.0021	0.00076
5B-00305	20510	Co-60	0.0011 U	0.018	0.0028	20531	Co-60	-0.0037 U	0.019	0.0056
5B-00305	20510	Cs-134	0.0133 U	0.047	0.0088	20531	Cs-134	0.0147 U	0.03	0.0052
5B-00305	20510	Cs-137	0.0114	0.015	0.0047	20531	Cs-137	0.0187	0.016	0.0056
5B-00305	20510	Eu-152	-0.0016 U	0.037	0.0031	20531	Eu-152	-0.0077 U	0.031	0.0093
5B-00305	20510	Eu-154	-0.027 U	0.086	0.026	20531	Eu-154	0.016 U	0.1	0.012

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00305	20510	Eu-155	0.083 RSK	0.031	0.012	20531	Eu-155	0.0076 U R L	0.032	0.0098
5B-00305	20510	Ho-166m	0.0115 SK	0.023	0.0052	20531	Ho-166m	0.0057 U	0.024	0.0052
5B-00305	20510	K-40	22.5	0.16	0.75	20531	K-40	19.3	0.15	0.59
5B-00305	20510	Na-22	0.0044 U	0.022	0.0065	20531	Na-22	0.0035 U	0.023	0.0069
5B-00305	20510	Nb-94	0.0066 SK	0.012	0.0038	20531	Nb-94	0.0155 SK	0.011	0.0045
5B-00305	20510	Ni-59	0 U	0.18	0.046	20531	Ni-59	0 U	0.18	0.047
5B-00305	20510	Ni-63	-0.18 U	0.7	0.21	20531	Ni-63	0.13 U	0.69	0.21
5B-00305	20510	Np-236	-0.0076 U	0.03	0.0089	20531	Np-236	0.0173 SK	0.027	0.0082
5B-00305	20510	Np-239	-0.006 U	0.077	0.023	20531	Np-239	0.031 U	0.083	0.025
5B-00305	20510	Pa-231	0.029 U	0.56	0.036	20531	Pa-231	0.11 U	0.56	0.17
5B-00305	20510	Pb-212	1.61	0.031	0.086	20531	Pb-212	1.51 J	0.023	0.061
5B-00305	20510	Pb-214	1.11	0.026	0.042	20531	Pb-214	1.04	0.026	0.035
5B-00305	20510	Pu-236	-0.001 U	0.0087	0.0022	20531	Pu-236	0.00029 U	0.0042	0.00086
5B-00305	20510	Pu-238	0.0014	0.0019	0.001	20531	Pu-238	0.0024	0.0042	0.0015
5B-00305	20510	Pu-239/Pu-240	0.0032	0.0043	0.0017	20531	Pu-239/Pu-240	0.0014	0.0019	0.001
5B-00305	20510	Pu-244	0.00052 U	0.0014	0.00052	20531	Pu-244	0.0017	0.0042	0.0013
5B-00305	20510	Rn-220	1.39	0.03	0.12	20531	Rn-220	1.27	0.023	0.093
5B-00305	20510	Rn-222	1.06	0.025	0.057	20531	Rn-222	0.987	0.026	0.049
5B-00305	20510	Sb-125	0.125 SK	0.041	0.0098	20531	Sb-125	0.114 SK	0.042	0.0096
5B-00305	20510	Sn-126	0.0032 U	0.014	0.0043	20531	Sn-126	0.0019 U	0.013	0.0038
5B-00305	20510	Sr-90	0.022 U	0.048	0.015	20531	Sr-90	-0.008 U	0.033	0.0092
5B-00305	20510	Tc-99	-0.051 U	0.25	0.074	20531	Tc-99	-0.082 U	0.29	0.087

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00305	20510	Te-125m	0.0289 SK	0.0094	0.0023	20531	Te-125m	0.0264 SK	0.0097	0.0022
5B-00305	20510	Th-228	1.26	0.026	0.067	20531	Th-228	1.27	0.011	0.063
5B-00305	20510	Th-229	0.0161 K	0.0094	0.0046	20531	Th-229	0.0065	0.0022	0.0023
5B-00305	20510	Th-230	0.99	0.004	0.055	20531	Th-230	1	0.008	0.051
5B-00305	20510	Th-232	1.3	0.007	0.065	20531	Th-232	1.19	0.006	0.059
5B-00305	20510	Th-234	1.83	0.15	0.1	20531	Th-234	1.61 R	0.14	0.083
5B-00305	20510	Tl-208	0.496	0.017	0.02	20531	Tl-208	0.471	0.015	0.017
5B-00305	20510	Tm-171	-2.9 U	6.1	1.9	20531	Tm-171	0.2 U	5.6	1.7
5B-00305	20510	U-233/U-234	0.899	0.004	0.043	20531	U-233/U-234	0.851	0.006	0.041
5B-00305	20510	U-235/U-236	0.0499	0.0053	0.0059	20531	U-235/U-236	0.0499	0.0015	0.0056
5B-00305	20510	U-238	0.889	0.004	0.042	20531	U-238	0.861	0.004	0.041
5B-00318	20668	Ac-228	1.07	0.057	0.037	20570	Ac-228	1.07	0.085	0.041
5B-00318	20668	Actinium 227	0.077	0.073	0.015	20570	Actinium 227	0.323 KRZ	0.14	0.014
5B-00318	20668	Ag-108	-0.00126 R U	0.0011	0.00033	20570	Ag-108	-0.00057 U R	0.0013	0.00039
5B-00318	20668	Ag-108m	-0.0135 R U	0.011	0.0035	20570	Ag-108m	-0.0061 U R	0.014	0.0042
5B-00318	20668	Am-241	0.0036	0.0067	0.0023	20570	Am-241	0.0029	0.002	0.0015
5B-00318	20668	Ba-133	-0.0806 R U	0.017	0.0061	20570	Ba-133	-0.122 U R	0.025	0.0093
5B-00318	20668	Ba-137m	-0.001 U	0.01	0.0031	20570	Ba-137m	0.0026 U	0.013	0.0039
5B-00318	20668	Bi-212	0.836	0.078	0.05	20570	Bi-212	0.915	0.11	0.064
5B-00318	20668	Bi-214	0.79	0.02	0.03	20570	Bi-214	0.799	0.02	0.028
5B-00318	20668	C-14	0.02	0.035	0.011	20570	C-14	0.004 U	0.036	0.011
5B-00318	20668	Cd-113m	7.5 U	30	9	20570	Cd-113m	14 U	39	12

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00318	20668	Cf-249	-0.033 L U R	0.045	0.014	20570	Cf-249	0.0053 U R	0.077	0.0035
5B-00318	20668	Cm-243/Cm-244	0.00089 U	0.0024	0.00089	20570	Cm-243/Cm-244	0 U	0.0019	0.0008
5B-00318	20668	Cm-245/Cm-246	0 U	0.0026	0.0011	20570	Cm-245/Cm-246	0 U	0.0029	0.0012
5B-00318	20668	Cm-247/Cm-248	0.00096 U	0.0026	0.00096	20570	Cm-247/Cm-248	0.0021 U	0.0028	0.0015
5B-00318	20668	Co-60	-0.0032 U	0.013	0.0039	20570	Co-60	0.0027 U	0.017	0.0031
5B-00318	20668	Cs-134	0.0052 U	0.037	0.0041	20570	Cs-134	-0.002 U	0.054	0.016
5B-00318	20668	Cs-137	-0.0011 U	0.011	0.0033	20570	Cs-137	0.0028 U	0.014	0.0042
5B-00318	20668	Eu-152	-0.0038 U	0.028	0.0084	20570	Eu-152	0.017 U	0.036	0.013
5B-00318	20668	Eu-154	-0.004 U	0.052	0.016	20570	Eu-154	-0.013 U	0.082	0.025
5B-00318	20668	Eu-155	0.0607 SK	0.025	0.0099	20570	Eu-155	0.083 SK	0.045	0.02
5B-00318	20668	H-3	0.141	0.18	0.056	20570	H-3	0.019 U	0.23	0.068
5B-00318	20668	Ho-166m	0.0014 U J	0.017	0.0016	20570	Ho-166m	0.0063 U	0.022	0.0054
5B-00318	20668	K-40	20.8	0.12	0.69	20570	K-40	20.1	0.11	0.6
5B-00318	20668	Na-22	-0.0065 U	0.017	0.0052	20570	Na-22	0.0026 U	0.021	0.0063
5B-00318	20668	Nb-94	0.0025 U	0.0097	0.0029	20570	Nb-94	-0.0031 U	0.011	0.0034
5B-00318	20668	Ni-59	0 U	0.26	0.085	20570	Ni-59	0 U	0.19	0.048
5B-00318	20668	Ni-63	-0.04 U	0.47	0.14	20570	Ni-63	-0.14 U	0.58	0.17
5B-00318	20668	Np-236	0.0027 U	0.024	0.0072	20570	Np-236	-0.003 U	0.034	0.01
5B-00318	20668	Np-239	-0.007 U	0.064	0.019	20570	Np-239	-0.007 U	0.087	0.026
5B-00318	20668	Pa-231	0.01 U	0.39	0.12	20570	Pa-231	0.07 U	0.58	0.18
5B-00318	20668	Pb-212	1.32	0.017	0.069	20570	Pb-212	1.14	0.031	0.037
5B-00318	20668	Pb-214	0.886	0.019	0.033	20570	Pb-214	0.86	0.021	0.036

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00318	20668	Pu-236	-0.0021 U	0.0072	0.0013	20570	Pu-236	0.00071 U	0.0019	0.00071
5B-00318	20668	Pu-238	0.0024	0.0047	0.0016	20570	Pu-238	0.0031	0.0042	0.0017
5B-00318	20668	Pu-239/Pu-240	0.0032	0.0017	0.0014	20570	Pu-239/Pu-240	0.00071 U	0.0019	0.00071
5B-00318	20668	Pu-244	0.0026	0.0017	0.0013	20570	Pu-244	0 U	0.0019	0.00061
5B-00318	20668	Rn-220	1.08	0.017	0.086	20570	Rn-220	1.03	0.031	0.074
5B-00318	20668	Rn-222	0.838	0.019	0.045	20570	Rn-222	0.83	0.02	0.046
5B-00318	20668	Sb-125	0.118 SK	0.029	0.0087	20570	Sb-125	0.109 SK	0.031	0.0089
5B-00318	20668	Sn-126	-0.0004 U	0.011	0.0032	20570	Sn-126	0.0059	0.012	0.0036
5B-00318	20668	Sr-90	0.005 U	0.035	0.01	20570	Sr-90	0.007 U	0.041	0.012
5B-00318	20668	Tc-99	0.001 U	0.31	0.093	20570	Tc-99	-0.051 U	0.31	0.093
5B-00318	20668	Te-125m	0.0273 SK	0.0068	0.002	20570	Te-125m	0.0251 SK	0.0071	0.0021
5B-00318	20668	Th-228	1.21	0.018	0.061	20570	Th-228	1.16	0.015	0.059
5B-00318	20668	Th-229	0.0101	0.0078	0.0034	20570	Th-229	0.0012 U	0.011	0.0028
5B-00318	20668	Th-230	0.902	0.012	0.048	20570	Th-230	0.936	0.011	0.05
5B-00318	20668	Th-232	1.12	0.009	0.057	20570	Th-232	1.11	0.003	0.057
5B-00318	20668	Th-234	1.21	0.12	0.072	20570	Th-234	1.23 R	0.19	0.072
5B-00318	20668	Tl-208	0.4	0.013	0.016	20570	Tl-208	0.422	0.015	0.016
5B-00318	20668	Tm-171	-2.6 U J	4.2	1.3	20570	Tm-171	-9.7 U J	8.5	2.6
5B-00318	20668	U-233/U-234	0.677	0.007	0.036	20570	U-233/U-234	0.581	0.009	0.032
5B-00318	20668	U-235/U-236	0.0346	0.0069	0.006	20570	U-235/U-236	0.0239	0.0068	0.005
5B-00318	20668	U-238	0.64	0.007	0.035	20570	U-238	0.642	0.007	0.035
5B-00321	20680	Ac-228	1.25	0.078	0.045	20576	Ac-228	1.31	0.065	0.046

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00321	20680	Actinium 227	0.0003 U	0.15	0.045	20576	Actinium 227	0.028 U	0.12	0.02
5B-00321	20680	Ag-108	-0.00352 U R	0.0015	0.00049	20576	Ag-108	-0.00135 U R	0.0012	0.00036
5B-00321	20680	Ag-108m	-0.0378 U R	0.016	0.0052	20576	Ag-108m	-0.0145 U R	0.012	0.0039
5B-00321	20680	Am-241	0.0009 U	0.0065	0.0032	20576	Am-241	0.0011 U	0.003	0.0011
5B-00321	20680	Ba-133	-0.138 U R	0.027	0.01	20576	Ba-133	-0.118 U R	0.02	0.0077
5B-00321	20680	Ba-137m	-0.00004 U	0.013	0.0039	20576	Ba-137m	-0.0066 U J	0.013	0.004
5B-00321	20680	Bi-212	1.06	0.12	0.074	20576	Bi-212	1.04	0.11	0.069
5B-00321	20680	Bi-214	0.989	0.026	0.035	20576	Bi-214	1.13	0.021	0.041
5B-00321	20680	C-14	0.013 U	0.034	0.01	20576	C-14	0.025	0.035	0.011
5B-00321	20680	Cd-113m	18 U	42	13	20576	Cd-113m	0.3 U	31	9.4
5B-00321	20680	Cf-249	-0.128 U R	0.067	0.022	20576	Cf-249	0.022 R	0.037	0.011
5B-00321	20680	Cm-243/Cm-244	0.0017 U	0.0081	0.0044	20576	Cm-243/Cm-244	-0.0011 U	0.008	0.0012
5B-00321	20680	Cm-245/Cm-246	0.0018 U	0.0067	0.0019	20576	Cm-245/Cm-246	0 U	0.0034	0.0014
5B-00321	20680	Cm-247/Cm-248	0.0018 U	0.0024	0.0013	20576	Cm-247/Cm-248	-0.0012 U	0.0091	0.0014
5B-00321	20680	Co-60	0.0039 U	0.017	0.0042	20576	Co-60	0.0045 U	0.012	0.0037
5B-00321	20680	Cs-134	0.0138 SK	0.0092	0.0046	20576	Cs-134	0.0153 U J	0.05	0.0051
5B-00321	20680	Cs-137	-0.00005 U	0.014	0.0041	20576	Cs-137	-0.007 U J	0.014	0.0042
5B-00321	20680	Eu-152	-0.017 U	0.039	0.012	20576	Eu-152	0.0029 U	0.03	0.0018
5B-00321	20680	Eu-154	0.01 U	0.094	0.023	20576	Eu-154	-0.02 U	0.082	0.025
5B-00321	20680	Eu-155	0.109 SK	0.049	0.022	20576	Eu-155	0.082 SK	0.031	0.013
5B-00321	20680	H-3	0.221	0.19	0.058	20576	H-3	0.07	0.044	0.018
5B-00321	20680	Ho-166m	0.0085 U	0.025	0.0089	20576	Ho-166m	0.005 U	0.017	0.0055

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00321	20680	K-40	22.2	0.12	0.66	20576	K-40	23	0.13	0.76
5B-00321	20680	Na-22	0.0075 U	0.02	0.006	20576	Na-22	-0.0005 U	0.02	0.006
5B-00321	20680	Nb-94	0.0065 U	0.014	0.0042	20576	Nb-94	0.0061 SK	0.011	0.0033
5B-00321	20680	Ni-59	0 U	0.15	0.039	20576	Ni-59	0 U	0.42	0.091
5B-00321	20680	Ni-63	-0.11 U	0.54	0.17	20576	Ni-63	0.35	0.69	0.21
5B-00321	20680	Np-236	-0.0011 U	0.031	0.0094	20576	Np-236	0.0008 U	0.027	0.0082
5B-00321	20680	Np-239	-0.004 U	0.084	0.025	20576	Np-239	0.004 U	0.077	0.023
5B-00321	20680	Pa-231	0.025 U	0.64	0.088	20576	Pa-231	0.15 U	0.45	0.14
5B-00321	20680	Pb-212	1.35	0.032	0.043	20576	Pb-212	1.64	0.024	0.086
5B-00321	20680	Pb-214	1.09	0.027	0.047	20576	Pb-214	1.27	0.021	0.046
5B-00321	20680	Pu-236	0.0054	0.011	0.0034	20576	Pu-236	0 U	0.002	0.00064
5B-00321	20680	Pu-238	0.0018 U	0.0073	0.002	20576	Pu-238	0 U	0.002	0.00064
5B-00321	20680	Pu-239/Pu-240	0.003	0.0027	0.0017	20576	Pu-239/Pu-240	0.0022	0.002	0.0013
5B-00321	20680	Pu-244	0 U	0.0027	0.00086	20576	Pu-244	0.00073 U	0.002	0.00074
5B-00321	20680	Rn-220	1.21	0.032	0.086	20576	Rn-220	1.34	0.02	0.11
5B-00321	20680	Rn-222	1.04	0.026	0.058	20576	Rn-222	1.2	0.021	0.062
5B-00321	20680	Sb-125	0.159 SK	0.042	0.012	20576	Sb-125	0.118 JSK	0.034	0.0083
5B-00321	20680	Sn-126	-0.0034 U	0.015	0.0047	20576	Sn-126	0.0001 U	0.012	0.0037
5B-00321	20680	Sr-90	0.017 U	0.046	0.014	20576	Sr-90	0.008 U	0.053	0.016
5B-00321	20680	Tc-99	-0.07 U	0.33	0.1	20576	Tc-99	-0.043 U	0.28	0.083
5B-00321	20680	Te-125m	0.0368 SK	0.0097	0.0028	20576	Te-125m	0.0274 JSK	0.008	0.0019
5B-00321	20680	Th-228	1.2	0.035	0.068	20576	Th-228	1.34	0.024	0.07

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00321	20680	Th-229	0.0017 U	0.018	0.0047	20576	Th-229	0.0042 U	0.013	0.0038
5B-00321	20680	Th-230	1.2	0.018	0.068	20576	Th-230	1.15	0.011	0.061
5B-00321	20680	Th-232	1.18	0.012	0.067	20576	Th-232	1.37	0.009	0.071
5B-00321	20680	Th-234	1.46 R	0.21	0.081	20576	Th-234	1.57 R	0.13	0.086
5B-00321	20680	Tl-208	0.477	0.016	0.018	20576	Tl-208	0.518	0.015	0.02
5B-00321	20680	Tm-171	-14 R U J	9.2	2.9	20576	Tm-171	0.08 U	5.6	1.7
5B-00321	20680	U-233/U-234	0.886	0.008	0.049	20576	U-233/U-234	0.921	0.012	0.052
5B-00321	20680	U-235/U-236	0.0309	0.01	0.007	20576	U-235/U-236	0.06	0.012	0.01
5B-00321	20680	U-238	0.796	0.003	0.045	20576	U-238	0.943	0.01	0.053
5B-00332	20701	Ac-228	1.03	0.077	0.039	20567	Ac-228	0.958	0.061	0.046
5B-00332	20701	Actinium 227	0.049 U	0.13	0.016	20567	Actinium 227	-0.024 U	0.11	0.032
5B-00332	20701	Ag-108	0.00019 U R	0.00075	0.00013	20567	Ag-108	-0.00168 U R	0.001	0.00033
5B-00332	20701	Ag-108m	0.002 U R	0.0081	0.0014	20567	Ag-108m	-0.018 U R	0.011	0.0035
5B-00332	20701	Am-241	0.0019	0.0046	0.0014	20567	Am-241	0.001 U	0.01	0.0027
5B-00332	20701	Ba-133	-0.0998 R U	0.022	0.0082	20567	Ba-133	-0.0159 U R	0.014	0.0044
5B-00332	20701	Ba-137m	0.0117	0.014	0.0042	20567	Ba-137m	0.0126 J	0.0078	0.0033
5B-00332	20701	Bi-212	0.812	0.11	0.062	20567	Bi-212	0.846	0.088	0.055
5B-00332	20701	Bi-214	0.589	0.024	0.024	20567	Bi-214	0.612	0.019	0.024
5B-00332	20701	C-14	0.023 U	0.068	0.021	20567	C-14	0.0072 U	0.024	0.0072
5B-00332	20701	Cd-113m	12 U	37	11	20567	Cd-113m	10.3 U	30	9.1
5B-00332	20701	Cf-249	0.0057 U R	0.073	0.0037	20567	Cf-249	0.027 R	0.035	0.014
5B-00332	20701	Cm-243/Cm-244	0.0006 U	0.0092	0.0025	20567	Cm-243/Cm-244	0 U	0.0088	0.002

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00332	20701	Cm-245/Cm-246	0.0019 U	0.0026	0.0013	20567	Cm-245/Cm-246	-0.0012 U	0.0089	0.0014
5B-00332	20701	Cm-247/Cm-248	0.00093 U	0.0025	0.00093	20567	Cm-247/Cm-248	0.0012 U	0.0032	0.0012
5B-00332	20701	Co-60	-0.001 U	0.016	0.0047	20567	Co-60	0.0048 U	0.013	0.0031
5B-00332	20701	Cs-134	0.01 U	0.046	0.0034	20567	Cs-134	0.0061 U J	0.028	0.0019
5B-00332	20701	Cs-137	0.0124	0.014	0.0044	20567	Cs-137	0.0133 J	0.0083	0.0035
5B-00332	20701	Eu-152	0.078 Y	0.025	0.011	20567	Eu-152	0.07 Y	0.024	0.011
5B-00332	20701	Eu-154	-0.0001 U	0.074	0.022	20567	Eu-154	0.019 U	0.07	0.011
5B-00332	20701	Eu-155	0.088 SK	0.044	0.02	20567	Eu-155	0.071 SK	0.027	0.011
5B-00332	20701	H-3	0.053 U	0.18	0.054	20567	H-3	0.087	0.042	0.018
5B-00332	20701	Ho-166m	-0.0008 U J	0.021	0.0016	20567	Ho-166m	0.0039 U	0.016	0.0038
5B-00332	20701	K-40	20	0.1	0.6	20567	K-40	21.5	0.12	0.71
5B-00332	20701	Na-22	-0.0015 U	0.019	0.0057	20567	Na-22	0.0059 U	0.017	0.005
5B-00332	20701	Nb-94	0.0024 U	0.013	0.0028	20567	Nb-94	0.0082 SK	0.0077	0.0035
5B-00332	20701	Ni-59	0 U	0.28	0.089	20567	Ni-59	0 U	0.31	0.079
5B-00332	20701	Ni-63	-0.1 U	0.46	0.13	20567	Ni-63	0.27 U	0.59	0.18
5B-00332	20701	Np-236	-0.0083 U	0.031	0.0093	20567	Np-236	-0.006 U	0.023	0.007
5B-00332	20701	Np-239	0.001 U	0.076	0.023	20567	Np-239	0.002 U	0.069	0.021
5B-00332	20701	Pa-231	-0.11 U	0.57	0.17	20567	Pa-231	0.02 U	0.39	0.12
5B-00332	20701	Pb-212	1.28	0.021	0.039	20567	Pb-212	1.34	0.018	0.071
5B-00332	20701	Pb-214	0.674	0.025	0.031	20567	Pb-214	0.687	0.018	0.026
5B-00332	20701	Pu-236	0.00124 U	0.0017	0.00088	20567	Pu-236	-0.00041 U	0.0041	0.00046
5B-00332	20701	Pu-238	0.00062 U	0.0017	0.00062	20567	Pu-238	0.0021	0.0019	0.0012

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00332	20701	Pu-239/Pu-240	0.0027	0.0037	0.0015	20567	Pu-239/Pu-240	0.0006 U	0.005	0.0012
5B-00332	20701	Pu-244	0.00025 U	0.0037	0.00075	20567	Pu-244	0.0021	0.0019	0.0012
5B-00332	20701	Rn-220	1.05	0.021	0.073	20567	Rn-220	1.09	0.018	0.09
5B-00332	20701	Rn-222	0.631	0.024	0.039	20567	Rn-222	0.65	0.018	0.036
5B-00332	20701	Sb-125	0.105 SK	0.038	0.0086	20567	Sb-125	0.0926 JSK	0.029	0.0069
5B-00332	20701	Sn-126	0.0044 U	0.014	0.0043	20567	Sn-126	0.0015 U	0.011	0.0033
5B-00332	20701	Sr-90	-0.0003 U	0.034	0.0098	20567	Sr-90	0.017 U	0.046	0.014
5B-00332	20701	Tc-99	0.004 U	0.32	0.096	20567	Tc-99	-0.013 U	0.3	0.089
5B-00332	20701	Te-125m	0.0242 SK	0.0087	0.002	20567	Te-125m	0.0214 JSK	0.0067	0.0016
5B-00332	20701	Th-228	1.08	0.016	0.054	20567	Th-228	1.13	0.023	0.06
5B-00332	20701	Th-229	0.0148	0.0021	0.0035	20567	Th-229	0.0063	0.0066	0.0028
5B-00332	20701	Th-230	0.57	0.008	0.032	20567	Th-230	0.611	0.011	0.037
5B-00332	20701	Th-232	1.04	0.002	0.053	20567	Th-232	1.14	0.007	0.06
5B-00332	20701	Th-234	0.878	0.18	0.063	20567	Th-234	0.25 R	0.12	0.039
5B-00332	20701	Tl-208	0.423	0.016	0.016	20567	Tl-208	0.405	0.012	0.016
5B-00332	20701	Tm-171	-10.2 JU J	8	2.5	20567	Tm-171	-1.4 U	4.8	1.5
5B-00332	20701	U-233/U-234	0.492	0.007	0.03	20567	U-233/U-234	0.554	0.007	0.031
5B-00332	20701	U-235/U-236	0.0295	0.013	0.0067	20567	U-235/U-236	0.0289	0.0025	0.0053
5B-00332	20701	U-238	0.509	0.003	0.031	20567	U-238	0.566	0.006	0.031
5B-00332	20702	Ac-228	1.08	0.051	0.038	20573	Ac-228	1.06	0.082	0.038
5B-00332	20702	Actinium 227	0.031 U	0.1	0.031	20573	Actinium 227	0.046 U	0.13	0.017
5B-00332	20702	Ag-108	-0.00126 R U	0.00098	0.00031	20573	Ag-108	-0.00038 U R	0.0012	0.00037

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00332	20702	Ag-108m	-0.0135 R U	0.011	0.0033	20573	Ag-108m	-0.0041 U R	0.013	0.0039
5B-00332	20702	Am-241	0.0043 U	0.015	0.0045	20573	Am-241	0.0019 U	0.0072	0.002
5B-00332	20702	Ba-133	-0.0738 R U	0.015	0.0055	20573	Ba-133	0.0269 R	0.015	0.0036
5B-00332	20702	Ba-137m	0.0138	0.0066	0.0027	20573	Ba-137m	0.0112	0.015	0.0058
5B-00332	20702	Bi-212	0.873	0.093	0.061	20573	Bi-212	0.894	0.14	0.078
5B-00332	20702	Bi-214	0.739	0.018	0.028	20573	Bi-214	0.759	0.024	0.028
5B-00332	20702	C-14	0.022	0.035	0.011	20573	C-14	0.0111 U	0.027	0.0084
5B-00332	20702	Cd-113m	-0.6 U	29	8.8	20573	Cd-113m	-4 U	36	11
5B-00332	20702	Cf-249	0.0047 U R	0.032	0.0032	20573	Cf-249	-0.005 U R	0.059	0.018
5B-00332	20702	Cm-243/Cm-244	0.0028 U	0.013	0.0036	20573	Cm-243/Cm-244	-0.0019 U	0.0089	0.0015
5B-00332	20702	Cm-245/Cm-246	0.002 U	0.0073	0.002	20573	Cm-245/Cm-246	0 U	0.007	0.0014
5B-00332	20702	Cm-247/Cm-248	0.001 U	0.0071	0.0017	20573	Cm-247/Cm-248	0 U	0.0087	0.002
5B-00332	20702	Co-60	0.00047 U	0.013	0.00055	20573	Co-60	0.0051 U	0.018	0.0048
5B-00332	20702	Cs-134	0.0162 JSK	0.0066	0.0049	20573	Cs-134	0.0127 SK	0.016	0.0057
5B-00332	20702	Cs-137	0.0146	0.007	0.0029	20573	Cs-137	0.0118	0.016	0.0062
5B-00332	20702	Eu-152	0.0544	0.02	0.0083	20573	Eu-152	0.048	0.029	0.012
5B-00332	20702	Eu-154	-0.022 U	0.068	0.02	20573	Eu-154	0.019 U	0.099	0.01
5B-00332	20702	Eu-155	0.065 SK	0.027	0.012	20573	Eu-155	0.041 SK	0.036	0.011
5B-00332	20702	H-3	0.04 U	0.19	0.056	20573	H-3	0.011 U	0.23	0.068
5B-00332	20702	Ho-166m	0.0053 U J	0.017	0.0053	20573	Ho-166m	0.0096 U	0.024	0.0069
5B-00332	20702	K-40	21.9	0.09	0.72	20573	K-40	20.4	0.14	0.62
5B-00332	20702	Na-22	0.0003 U	0.019	0.0058	20573	Na-22	-0.0005 U	0.021	0.0063

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00332	20702	Nb-94	0.0041 U	0.0093	0.0022	20573	Nb-94	0.0051 U	0.013	0.004
5B-00332	20702	Ni-59	0 U	0.27	0.092	20573	Ni-59	0 U	0.26	0.067
5B-00332	20702	Ni-63	-0.08 U	0.52	0.15	20573	Ni-63	-0.003 U	0.64	0.19
5B-00332	20702	Np-236	0.0007 U	0.022	0.0065	20573	Np-236	-0.0098 U	0.026	0.0078
5B-00332	20702	Np-239	0.0003 U	0.064	0.019	20573	Np-239	-0.011 U	0.083	0.025
5B-00332	20702	Pa-231	0.047 U	0.24	0.071	20573	Pa-231	0.018 U	0.53	0.058
5B-00332	20702	Pb-212	1.34	0.017	0.07	20573	Pb-212	1.36	0.021	0.055
5B-00332	20702	Pb-214	0.842	0.017	0.031	20573	Pb-214	0.836	0.025	0.029
5B-00332	20702	Pu-236	-0.00082 U	0.0081	0.00092	20573	Pu-236	0.0005 U	0.0067	0.0014
5B-00332	20702	Pu-238	0.0041	0.0037	0.0024	20573	Pu-238	0.0005 U	0.0067	0.0014
5B-00332	20702	Pu-239/Pu-240	0.0025 U	0.0099	0.0027	20573	Pu-239/Pu-240	0.0023	0.0031	0.0016
5B-00332	20702	Pu-244	0.0027	0.0037	0.0019	20573	Pu-244	0.0061	0.0067	0.0029
5B-00332	20702	Rn-220	1.1	0.017	0.093	20573	Rn-220	1.13	0.021	0.096
5B-00332	20702	Rn-222	0.791	0.017	0.042	20573	Rn-222	0.798	0.024	0.04
5B-00332	20702	Sb-125	0.113 SK	0.028	0.0078	20573	Sb-125	0.114 SK	0.041	0.01
5B-00332	20702	Sn-126	0.0033 U	0.01	0.0031	20573	Sn-126	0.0034 U	0.015	0.0045
5B-00332	20702	Sr-90	0.0008 U	0.037	0.011	20573	Sr-90	-0.0056 U	0.034	0.0098
5B-00332	20702	Tc-99	-0.033 U	0.32	0.097	20573	Tc-99	-0.1 U	0.26	0.08
5B-00332	20702	Te-125m	0.0261 SK	0.0065	0.0018	20573	Te-125m	0.0264 SK	0.0095	0.0023
5B-00332	20702	Th-228	1.16	0.017	0.059	20573	Th-228	1.19	0.02	0.061
5B-00332	20702	Th-229	-0.0008 U	0.012	0.003	20573	Th-229	0.0087	0.01	0.0038
5B-00332	20702	Th-230	0.787	0.003	0.043	20573	Th-230	0.775	0.007	0.043

Table A.3
Parent and Field Duplicate Results Summary
Subarea 5B, Round 1

Sample Location	Parent Sample					Field Duplicate Sample				
	Sample ID	Analyte Name	Activity	MDC	TPU	Sample ID	Analyte Name	Activity	MDC	TPU
5B-00332	20702	Th-232	1.11	0.011	0.056	20573	Th-232	1.05	0.006	0.055
5B-00332	20702	Th-234	1.17	0.11	0.067	20573	Th-234	0.29 R	0.15	0.046
5B-00332	20702	Tl-208	0.388	0.013	0.015	20573	Tl-208	0.399	0.015	0.015
5B-00332	20702	Tm-171	-2 U J	4.3	1.3	20573	Tm-171	-1.4 U	5.3	1.6
5B-00332	20702	U-233/U-234	0.67	0.003	0.038	20573	U-233/U-234	0.541	0.01	0.032
5B-00332	20702	U-235/U-236	0.0298	0.0032	0.0061	20573	U-235/U-236	0.0266	0.003	0.0055
5B-00332	20702	U-238	0.694	0.003	0.039	20573	U-238	0.574	0.008	0.033

Notes:

Refer to Table 2.1 of the Final Field Sampling Plan for Soil Sampling (HGL, 2012a) for a definition of radionuclide symbols.

Reporting units in picocuries per gram.

ID - identification

MDC - minimum detectable concentration

TPU - total propagated uncertainty

B - Analyte present, but not detected substantially above the level reported in laboratory or field blanks.

J - The analyte was detected at the reported concentration; the quantitation is an estimate.

K - Analyte present. Reported value may be biased high. Actual value is expected to be lower.

S - Analyte result is subject to spectral interference. Unless otherwise qualified, the data is believed to be consistent with the background study results and may be used for its intended purpose.

L - Analyte present. Reported value may be biased low. Actual value is expected to be higher.

R - The result is rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

U - Not considered detected. The associated number is the reported concentration.

U J - Not considered detected. The associated number is the reported concentration, which may be inaccurate.

UL - Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.

Y - The initial laboratory result was reported above its respective RTL (or Lookup Table value). The gamma spectrometry data has been inspected to determine whether the exceeding analyte is present at a quantity greater than the RTL. In the analyst's judgment, the result is supported by the analytical data and is therefore considered an RTL exceedance.

Z - The initial laboratory result was reported above its respective RTL (or Lookup Table value). The gamma spectrometry data has been inspected to determine whether the exceeding analyte is present at a quantity greater than the RTL. In the analyst's judgment, the result is unsupported by the analytical data and is therefore not considered an RTL exceedance.

Table A.4
Rinsate and Source Comparison Summary
Subarea 5B, Round 1

Sample Type	Sample ID	H-3 ¹			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0035	--	--	--	-0.0056 U	0.0063	0.024	0.0005 U	0.0035	0.018	0.001 U	0.006	0.019
Source	S0035	--	--	--	-0.0039 U	0.013	0.0044	0 U	0.0068	0.002	-0.0065 U	0.019	0.0045
Rinsate	R0037	--	--	--	0.0056	0.0061	0.013	0.0024 U	0.0024	0.0066	0.0005 U	0.0046	0.013
Source	S0037	--	--	--	0.002 U	0.0056	0.0051	0.0026 U	0.007	0.0026	-0.0011 U	0.014	0.0044
Rinsate	R0039	60	38	120	-0.0151 L U	0.0054	0.026	0.0075	0.0043	0.0067	0.0027 U	0.0065	0.021
Source	S0039	24 U	120	37	0.0023 U	0.014	0.0057	0.0026 U	0.0069	0.0026	0.0066	0.0055	0.0054
Rinsate	R0041	--	--	--	0.0032 U	0.0051	0.0053	0.0024 U	0.0024	0.0065	0.0005 U	0.0046	0.013
Source	S0041	--	--	--	-0.0008 U	0.0052	0.0043	0.0024 U	0.0064	0.0024	-0.0039 U	0.0052	0.0027
Rinsate	R0043	63	34	110	-0.0074 U	0.0062	0.024	0 U	0.0018	0.0061	-0.0077 L U	0.0037	0.017
Source	S0043	120	110	36	0.0018 U	0.013	0.0054	0 U	0.0066	0.0019	-0.003 U	0.016	0.0045
Rinsate	R0045	--	--	--	0.0022 U	0.006	0.016	0.0049 U	0.0034	0.0066	0.0001 U	0.0039	0.0053
Source	S0045	--	--	--	0.0138	0.018	0.008	0 U	0.0071	0.0021	-0.0034 U	0.0057	0.003
Rinsate	R0046	63	37	120	0.00003 U	0.0051	0.013	0 U	0.002	0.0067	-0.0037 U	0.0028	0.0054
Source	S0046	83	120	36	-0.0013 U	0.017	0.0055	0.0005 U	0.017	0.0033	0.0046	0.0055	0.005
Rinsate	R0047	-5 U	39	130	-0.0019 U	0.0052	0.016	0 U	0.0019	0.0065	-0.0015 U	0.0042	0.013
Source	S0047	-5 U	130	39	-0.0026 U	0.022	0.0063	0 U	0.0069	0.002	-0.0028 U	0.017	0.0047
Rinsate	R0048	65	40	130	-0.0019 U	0.0048	0.013	0.0025 U	0.0025	0.0068	0.0004 U	0.004	0.0055
Source	S0048	14 U	130	39	-0.0084 U	0.02	0.0049	0.0024 U	0.0066	0.0024	0.0002 U	0.018	0.0055
Rinsate	R0050	5 U	39	130	-0.0006 U	0.0044	0.0053	0.0024 U	0.0024	0.0066	0.0005 U	0.0046	0.013
Source	S0050	19 U	130	39	0.0018 U	0.021	0.0067	0.0025 U	0.0068	0.0025	-0.0069 U	0.023	0.0054

Table A.4
Rinsate and Source Comparison Summary
Subarea 5B, Round 1

Sample Type	Sample ID	H-3 ¹			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0051	--	--	--	-0.0017 U	0.0049	0.014	-0.0021 U	0.0021	0.017	-0.0011 U	0.0044	0.014
Source	S0051	--	--	--	-0.0082 U	0.022	0.0053	0.0082	0.0074	0.0048	0.002 U	0.024	0.0072
Rinsate	R0052	-12 U	39	140	-0.0022 U	0.0041	0.0055	0.0076	0.0044	0.0069	0.0004 U	0.0041	0.0055
Source	S0052	63	120	38	-0.0025 U	0.0053	0.0039	0.0005 U	0.016	0.0031	0.0025 U	0.013	0.005
Rinsate	R0053	79	37	120	-0.0051 U	0.005	0.018	0.0054 U	0.0038	0.0073	-0.0012 U	0.0038	0.0059
Source	S0053	-26 U	130	37	0.0129	0.021	0.0085	0.0027 U	0.0074	0.0027	-0.0007 U	0.015	0.0047
Rinsate	R0054	8 U	36	120	-0.0045 U	0.0059	0.022	0.0056 U	0.004	0.0076	-0.0027 U	0.0043	0.015
Source	S0054	-29 U	130	36	0.0021 U	0.019	0.0067	-0.0046 U	0.024	0.0033	-0.0008 U	0.0062	0.004
Rinsate	R0055	6 U	36	120	0.0069	0.0071	0.016	0.003 U	0.003	0.0081	0.0043 U	0.0054	0.0065
Source	S0055	6 U	120	36	0.0057 U	0.024	0.0081	-0.0067 U	0.027	0.0039	-0.0054 U	0.02	0.0047
Rinsate	R0056	--	--	--	0.0019 U	0.0061	0.016	-0.0024 U	0.0024	0.02	0.0051 U	0.0068	0.02
Source	S0056	--	--	--	0.0092	0.0059	0.0065	0.0027 U	0.0073	0.0027	-0.0033 U	0.0059	0.0031
Rinsate	R0057	-15 U	36	120	-0.0055 U	0.0064	0.024	0.0055 U	0.0039	0.0075	-0.0006 U	0.0063	0.022
Source	S0057	-7 U	130	37	0.0011 U	0.015	0.0057	0.0005 U	0.018	0.0035	-0.0011 U	0.006	0.0038
Rinsate	R0058	--	--	--	-0.0023 U	0.004	0.0054	-0.002 U	0.002	0.017	0.0007 U	0.0047	0.013
Source	S0058	--	--	--	0.0087	0.014	0.0068	0 U	0.007	0.0021	0.0109	0.0056	0.0062
Rinsate	R0059	--	--	--	-0.0055 U	0.0064	0.024	0.0028 U	0.0028	0.0075	-0.005 U	0.0055	0.022
Source	S0059	--	--	--	0.0083	0.016	0.007	0.0074	0.0067	0.0043	0.0003 U	0.0054	0.004
Rinsate	R0060	--	--	--	0.0042 U	0.0075	0.023	0.0025 U	0.0025	0.0068	-0.0077 U	0.004	0.018
Source	S0060	--	--	--	0.0048	0.014	0.0062	0 U	0.0071	0.0021	-0.0014 U	0.0057	0.0036

Table A.4
Rinsate and Source Comparison Summary
Subarea 5B, Round 1

Sample Type	Sample ID	H-3 ¹			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0061	20 U	39	130	-0.0099 U	0.0054	0.023	0 U	0.0021	0.0072	-0.0051 U	0.0053	0.021
Source	S0061	69	130	40	0.0039 U	0.0055	0.0054	0.0005 U	0.017	0.0032	-0.0036 U	0.0055	0.0029
Rinsate	R0062	--	--	--	0.0002 U	0.0047	0.0057	0 U	0.0021	0.0071	0.005	0.0052	0.0057
Source	S0062	--	--	--	-0.0041 U	0.0056	0.0036	0.0026 U	0.007	0.0026	-0.0011 U	0.014	0.0045
Rinsate	R0063	--	--	--	0.0037 U	0.007	0.02	0.0026 U	0.0026	0.0072	0.0016 U	0.0057	0.018
Source	S0063	--	--	--	0.0047	0.0058	0.0057	0 U	0.0072	0.0021	0.0035 U	0.014	0.0055
Rinsate	R0064	--	--	--	-0.0076 U	0.006	0.024	0.0005 U	0.0031	0.016	0.0028 U	0.0068	0.022
Source	S0064	--	--	--	-0.0007 U	0.02	0.0062	0 U	0.007	0.0021	0.0074	0.014	0.0061
Rinsate	R0065	--	--	--	-0.0002 U	0.0046	0.0055	0.0051 U	0.0036	0.0069	-0.0036 U	0.0029	0.0055
Source	S0065	--	--	--	0.0006 U	0.014	0.0054	-0.0016 U	0.022	0.004	-0.0031 U	0.014	0.004
Rinsate	R0066	--	--	--	0.003 U	0.006	0.014	0 U	0.0021	0.0073	0.0074	0.0057	0.0058
Source	S0066	--	--	--	-0.0039 U	0.0059	0.0038	-0.0022 U	0.018	0.0022	0.0031 U	0.0058	0.0048
Rinsate	R0067	--	--	--	0.0051	0.0063	0.014	0.0107	0.0054	0.0072	0.003 U	0.0048	0.0058
Source	S0067	--	--	--	-0.0022 U	0.023	0.0066	0 U	0.0072	0.0021	0.0116	0.0058	0.0065
Rinsate	R0068	--	--	--	-0.003 U	0.0054	0.018	0 U	0.0022	0.0073	0.0035 U	0.0056	0.014
Source	S0068	--	--	--	-0.0078 U	0.023	0.0058	-0.0021 U	0.017	0.0021	-0.001 U	0.021	0.006
Rinsate	R0069	--	--	--	0.0008 U	0.0055	0.014	0 U	0.0021	0.0072	-0.0021 U	0.0056	0.02
Source	S0069	--	--	--	-0.0021 U	0.022	0.0064	0.0028 U	0.0077	0.0028	0.006	0.0062	0.0056
Rinsate	R0070	--	--	--	0.0027 U	0.0049	0.005	0.0023 U	0.0023	0.0063	0.0023 U	0.0053	0.015
Source	S0070	--	--	--	0.0052	0.013	0.0059	0.0005 U	0.016	0.003	0.0075	0.0051	0.0054

Table A.4
Rinsate and Source Comparison Summary
Subarea 5B, Round 1

Sample Type	Sample ID	H-3 ¹			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0071	--	--	--	-0.0058 U	0.0062	0.023	0.0023 U	0.0023	0.0063	0.0092	0.0068	0.018
Source	S0071	--	--	--	-0.0018 U	0.016	0.0053	0 U	0.0066	0.0019	0.00009 U	0.0053	0.0039
Rinsate	R0072	--	--	--	0.0077	0.0064	0.013	0 U	0.002	0.0066	0.0002 U	0.0039	0.0053
Source	S0072	--	--	--	0.0024 U	0.017	0.0061	0.0005 U	0.017	0.0032	0.0143	0.0054	0.0066
Rinsate	R0073	--	--	--	0.0037 U	0.0053	0.0054	-0.002 U	0.002	0.017	0.0048	0.0055	0.013
Source	S0073	--	--	--	0.0126	0.014	0.0073	0.0026 U	0.0069	0.0026	0.0087	0.0055	0.0058
Rinsate	R0074	--	--	--	0.0022 U	0.006	0.016	0 U	0.0019	0.0066	0.0001 U	0.0039	0.0053
Source	S0074	--	--	--	-0.0023 U	0.022	0.0064	0 U	0.0065	0.0019	-0.0054 U	0.02	0.005
Rinsate	R0075	--	--	--	0.0049	0.0054	0.0052	0.0071	0.0041	0.0064	0.0003 U	0.0045	0.013
Source	S0075	--	--	--	-0.0014 U	0.019	0.0058	0 U	0.0066	0.0019	0.018	0.013	0.0075
Rinsate	R0076	-44 U	39	140	0.0053 U	0.0063	0.015	-0.0019 U	0.0019	0.015	0.0005 U	0.005	0.015
Source	S0076	-33 U	130	38	-0.0015 U	0.017	0.0054	0.005 U	0.0068	0.0036	0.0008 U	0.013	0.0048
Rinsate	R0077	--	--	--	-0.0034 U	0.0056	0.019	0.0023 U	0.0023	0.0061	0.0058	0.0058	0.015
Source	S0077	--	--	--	0.0086	0.021	0.0077	0.0024 U	0.0065	0.0024	0.0105	0.016	0.0068
Rinsate	R0078	-41 U	40	140	0.0036 U	0.0053	0.0054	0.0025 U	0.0025	0.0067	0.0043	0.0049	0.0054
Source	S0078	-49 U	130	38	0.0061	0.013	0.0062	0.005 U	0.0068	0.0035	0.0043	0.0054	0.0049
Rinsate	R0079	--	--	--	0.0075	0.006	0.0054	0.0099	0.005	0.0067	0.0066	0.0058	0.013
Source	S0079	--	--	--	0.0081	0.013	0.0066	0.0025 U	0.0068	0.0025	0.0072	0.017	0.0064
Rinsate	R0080	41 U	38	130	0.0022 U	0.0051	0.0057	0.0026 U	0.0026	0.0071	0.0028 U	0.0047	0.0057
Source	S0080	51 U	120	38	0.002 U	0.013	0.0055	0.0075	0.0067	0.0043	0.0003 U	0.0054	0.004

Table A.4
Rinsate and Source Comparison Summary
Subarea 5B, Round 1

Sample Type	Sample ID	H-3 ¹			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0081	18 U	37	120	-0.0025 U	0.0039	0.0053	0 U	0.002	0.0066	0.0006 U	0.0047	0.013
Source	S0081	54 U	130	38	-0.00002 U	0.0056	0.0046	0 U	0.007	0.0021	-0.0027 U	0.017	0.0047
Rinsate	R0082	13 U	36	120	-0.0003 U	0.0045	0.0055	0.0025 U	0.0025	0.0068	-0.0029 U	0.0046	0.017
Source	S0082	45 U	120	37	0.005	0.014	0.0063	-0.0021 U	0.018	0.0021	-0.003 U	0.014	0.0041
Rinsate	R0083	43 U	39	130	0.0041 U	0.0055	0.0056	0.0031 U	0.0042	0.017	0.0006 U	0.0041	0.0056
Source	S0083	26 U	120	37	-0.0061 U	0.021	0.0055	0 U	0.0071	0.0021	-0.0056 U	0.019	0.0045
Rinsate	R0084	80	37	120	0.0101	0.0065	0.0055	0.0025 U	0.0026	0.0069	0.003 U	0.0053	0.014
Source	S0084	68	120	38	-0.0079 U	0.023	0.0057	0 U	0.0069	0.002	0.0045 U	0.019	0.0064
Rinsate	R0085	--	--	--	-0.0014 U	0.0051	0.014	0.0027 U	0.0027	0.0072	-0.0034 U	0.003	0.0058
Source	S0085	--	--	--	-0.0034 U	0.014	0.0047	0 U	0.0073	0.0022	0.0079	0.014	0.0064
Rinsate	R0086	21 U	37	130	-0.0037 U	0.0038	0.006	0 U	0.0022	0.0074	0.0033 U	0.0049	0.006
Source	S0086	27 U	130	40	-0.0021 U	0.0056	0.0041	0 U	0.0069	0.002	0.003 U	0.014	0.0053
Rinsate	R0087	--	--	--	-0.0091 U	0.0066	0.027	0 U	0.0021	0.0071	-0.0005 U	0.0067	0.024
Source	S0087	--	--	--	0.0175	0.0058	0.0078	0.0027 U	0.0072	0.0027	0.0141	0.014	0.0073
Rinsate	R0088	31 U	39	130	-0.0111 U	0.0061	0.026	0.0051 U	0.0036	0.0069	0.005 U	0.0069	0.021
Source	S0088	57 U	130	39	0.0071	0.017	0.007	0.0005 U	0.017	0.0033	-0.0027 U	0.017	0.0048
Rinsate	R0089	--	--	--	-0.0033 U	0.007	0.025	0.0026 U	0.0026	0.007	-0.0073 U	0.0048	0.021
Source	S0089	--	--	--	-0.0107 U	0.028	0.0066	0.0025 U	0.0069	0.0025	0.0013 U	0.023	0.0068
Rinsate	R0090	-6 U	35	120	-0.0013 U	0.0055	0.017	0.0102	0.0051	0.0069	-0.0032 U	0.0039	0.014
Source	S0090	-4 U	120	35	-0.0007 U	0.021	0.0066	0 U	0.0068	0.002	0.0012 U	0.017	0.0054

Table A.4
Rinsate and Source Comparison Summary
Subarea 5B, Round 1

Sample Type	Sample ID	H-3 ¹			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0091	--	--	--	-0.004 U	0.0036	0.0057	0.0058	0.005	0.017	0.0028 U	0.0047	0.0057
Source	S0091	--	--	--	-0.0024 U	0.0054	0.004	0 U	0.0067	0.002	0.0002 U	0.0053	0.0039
Rinsate	R0092	--	--	--	0.016	0.0084	0.016	0.0058 U	0.0041	0.0079	0.0087	0.0062	0.0063
Source	S0092	--	--	--	0.0242	0.021	0.0099	0.0107	0.0073	0.0054	0.0052 U	0.019	0.0067
Rinsate	R0093	--	--	--	0.0013 U	0.0052	0.012	-0.0014 U	0.0035	0.019	0.0058	0.0055	0.012
Source	S0093	--	--	--	0.0074	0.013	0.0063	0.0024 U	0.0065	0.0024	0.0039 U	0.0052	0.0047
Rinsate	R0094	--	--	--	0.0106	0.0063	0.0051	-0.0019 U	0.0019	0.016	0.0037 U	0.0047	0.0051
Source	S0094	--	--	--	0.0037 U	0.013	0.0057	0.0024 U	0.0066	0.0024	0.006	0.0053	0.0052
Rinsate	R0095	--	--	--	0.0047	0.0057	0.0058	0.0027 U	0.0027	0.0073	-0.0034 U	0.003	0.0058
Source	S0095	--	--	--	0.0006 U	0.014	0.0054	0 U	0.0071	0.0021	0.007	0.0057	0.0056
Rinsate	R0096	--	--	--	-0.0002 U	0.005	0.013	0.0048 U	0.0034	0.0066	0.0059	0.0051	0.0053
Source	S0096	--	--	--	-0.01 U	0.023	0.0053	0.0101	0.0068	0.0051	-0.0052 U	0.021	0.0051
Rinsate	R0097	--	--	--	-0.0039 U	0.0037	0.0058	0 U	0.0021	0.0072	-0.0013 U	0.0037	0.0058
Source	S0097	--	--	--	0.003 U	0.006	0.0054	0 U	0.0075	0.0022	0.0038 U	0.015	0.0057
Rinsate	R0098	--	--	--	0.0039 U	0.0065	0.018	0.0047 U	0.0033	0.0063	0.0081	0.0063	0.016
Source	S0098	--	--	--	0.0105	0.0056	0.0066	0 U	0.007	0.0021	0.0031 U	0.014	0.0054
Rinsate	R0099	--	--	--	-0.0031 U	0.0057	0.019	0.0025 U	0.0025	0.0068	-0.0012 U	0.0044	0.013
Source	S0099	--	--	--	0.0043 U	0.016	0.0064	0.0128	0.016	0.0064	0.007	0.016	0.0064
Rinsate	R0100	71	37	120	-0.0055 U	0.0049	0.018	0.0023 U	0.0023	0.0063	0.0057	0.0055	0.012
Source	S0100	47 U	120	36	-0.0039 U	0.016	0.0048	-0.0014 U	0.02	0.0036	0.0019 U	0.0052	0.0043

Table A.4
Rinsate and Source Comparison Summary
Subarea 5B, Round 1

Sample Type	Sample ID	H-3 ¹			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0101	--	--	--	-0.0023 U	0.0046	0.013	0.0072	0.0042	0.0065	0.0096	0.0058	0.0052
Source	S0101	--	--	--	0.0105	0.012	0.0066	0.0023 U	0.0063	0.0023	-0.0036 U	0.012	0.0036
Rinsate	R0102	--	--	--	-0.0054 U	0.0066	0.025	-0.0041 U	0.0029	0.021	-0.0056 U	0.0045	0.019
Source	S0102	--	--	--	0.0025 U	0.014	0.0057	0.0026 U	0.007	0.0026	-0.0015 U	0.0056	0.0036
Rinsate	R0103	--	--	--	-0.0038 U	0.0048	0.016	0.0005 U	0.0031	0.016	-0.00001 U	0.0038	0.0052
Source	S0103	--	--	--	0.0074	0.0053	0.0059	-0.002 U	0.016	0.002	0.0006 U	0.013	0.0047
Rinsate	R0105	--	--	--	-0.0013 U	0.0059	0.019	0 U	0.002	0.0067	-0.0014 U	0.0043	0.013
Source	S0105	--	--	--	-0.0111 U	0.025	0.006	0.0025 U	0.0067	0.0025	-0.0013 U	0.02	0.0058
Rinsate	R0106	55 U	37	120	-0.0058 U	0.0062	0.023	0 U	0.0019	0.0063	0.0092	0.0068	0.018
Source	S0106	74	120	37	-0.0003 U	0.017	0.0057	0 U	0.0061	0.0018	-0.0037 U	0.012	0.0034
Rinsate	R0107	--	--	--	0.0106	0.0067	0.012	0.0005 U	0.003	0.016	0.0035 U	0.0046	0.0051
Source	S0107	--	--	--	0.0065	0.017	0.0068	0.0025 U	0.0068	0.0025	0.0044	0.0054	0.0049
Rinsate	R0108	28 U	35	120	-0.004 U	0.0037	0.0058	0.0026 U	0.0027	0.0072	0.0072	0.0056	0.0058
Source	S0108	76	120	38	0.0056	0.013	0.006	0.0024 U	0.0065	0.0024	0.0028 U	0.016	0.0056
Rinsate	R0109	13 U	36	120	-0.0019 U	0.0052	0.016	0.0024 U	0.0024	0.0065	0.0019 U	0.0043	0.0052
Source	S0109	67	120	38	-0.0029 U	0.005	0.0037	0.0092	0.0062	0.0046	0.0093	0.012	0.006
Rinsate	R0110	50 U	37	120	0.0021 U	0.0055	0.013	0.0075	0.0043	0.0067	0.0075	0.0069	0.019
Source	S0110	30 U	120	36	-0.0074 U	0.024	0.0063	0 U	0.0062	0.0018	0.0015 U	0.017	0.0056
Rinsate	R0111	80	37	120	0.0078	0.0064	0.0062	0.0028 U	0.0028	0.0077	0.001 U	0.007	0.024
Source	S0111	46 U	120	37	-0.0002 U	0.021	0.0066	0.0083	0.0075	0.0048	0.0078	0.006	0.0059

Table A.4
Rinsate and Source Comparison Summary
Subarea 5B, Round 1

Sample Type	Sample ID	H-3 ¹			U-233/U-234			U-235/U-236			U-238		
		Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU	Activity	MDC	TPU
Rinsate	R0112	-7 U	42	140	0.0007 U	0.005	0.006	0 U	0.0022	0.0075	0.0038 U	0.0057	0.015
Source	S0112	20 U	150	44	0.0011 U	0.015	0.0057	0 U	0.0074	0.0022	0.0015 U	0.015	0.0052
Rinsate	R0113	73	44	150	0.0012 U	0.0074	0.024	0.0055 U	0.0039	0.0075	-0.0072 U	0.005	0.022
Source	S0113	50 U	140	43	-0.0055 U	0.024	0.0063	-0.0022 U	0.018	0.0022	0.0011 U	0.019	0.006
Rinsate	R0114	-20 U	43	150	-0.0064 U	0.0053	0.02	0.0025 U	0.0025	0.0067	-0.0037 U	0.0048	0.018
Source	S0114	30 U	150	44	0.005	0.0059	0.0058	0 U	0.0074	0.0022	0.0059	0.015	0.0061
Rinsate	R0115	32 U	43	140	0.0025 U	0.0058	0.014	0.0078	0.0045	0.007	0.0019 U	0.0062	0.02
Source	S0115	-14 U	140	42	0.0027 U	0.0059	0.0053	0 U	0.0073	0.0022	0.001 U	0.0059	0.0043
Rinsate	R0116	35 U	44	150	-0.0069 U	0.0052	0.021	0.0031 U	0.0031	0.0084	0.0048 U	0.0056	0.0068
Source	S0116	-18 U	150	44	-0.0007 U	0.027	0.0078	0 U	0.0071	0.0021	-0.0052 U	0.021	0.0053
Rinsate	R0118	39 U	44	140	0.0057	0.0065	0.015	0.0055 U	0.0039	0.0075	0.0034 U	0.005	0.006
Source	S0118	-15 U	150	43	-0.0019 U	0.0057	0.0042	0.0053 U	0.0071	0.0037	-0.0035 U	0.0057	0.003
Rinsate	R0139	--	--	--	0.0106	0.0074	0.017	0.0106	0.006	0.017	-0.0032 U	0.0038	0.013
Source	S0139	--	--	--	0.0109	0.013	0.0068	0.0047 U	0.0064	0.0034	0.0075	0.0051	0.0054

Notes:

Refer to Table 2.1 of the Final Field Sampling Plan for Soil Sampling (HGL, 2012a) for a definition of radionuclide symbols.

¹H-3 analyses was only required if it was included in the analytical suite for samples collected that day.

Reporting units in picocuries per liter.

-- tritium analysis was not required for this sample.

ID - identification

MDC - minimum detectable concentration

TPU - total propagated uncertainty

L - Analyte present. Reported value may be biased low. Actual value is expected to be higher.

U - Not considered detected. The associated number is the reported concentration.

ATTACHMENT 2

Boring Logs

The boring logs are provided in a separate pdf on SharePoint due to size restrictions.

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